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ECOBREED: DIVERSITY OF BUCKWHEAT (*Fagopyrum* spp.) GENETIC RESOURCES



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IMPROVING CROPS



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Foreword

Buckwheat is a pseudo-cereal and a traditional crop that can be grown successfully and sustainably even on poorer soils. In the past, buckwheat saved many people in Slovenia from hunger and gave bread to many small farms, as evidenced by the records of natural historian and polymath Janez Vajkard Valvasor from the 17th century. This publication contains a complex description of buckwheat genetic resources from different gene banks and geographical areas of origin identified within the Horizon 2020 project ECOBREED. Different plant descriptors were used to evaluate the collection of genetic resources of common (*Fagopyrum esculentum*) and Tartary buckwheat (*Fagopyrum tataricum*). Using predefined descriptors (IPGRI, UPOV) for *Fagopyrum* spp. and photographic material, a total of 239 genetic resources of buckwheat were characterized and described for the first time. The book is aimed at a wide range of interested readers, from farmers and students to breeders and researchers, who can familiarise themselves with the collected heritage of buckwheat preserved in European gene banks for future generations. The publication is dedicated to all those who have been or are working in the field of plant genetic resources to preserve them for posterity and thus ensure the preservation of natural and cultural heritage both in Slovenia and worldwide.

Authors

Predgovor

Ajda je psevdožito in tradicionalna poljščina, ki jo lahko uspešno in sonaravno pridelujemo tudi na revnejših tleh. Ajda je v preteklosti številne ljudi na Slovenskem rešila lakote in dajala kruh številnim majhnim kmetijam, o čemer pričajo zapisi naravoslovca in polihistorja Janeza Vajkarda Valvasorja iz 17. stoletja. Publikacija vsebuje kompleksen opis genskih virov ajde iz različnih genskih bank in geografskih izvorov, ki so bili identificirani v okviru evropskega Horizon 2020 projekta ECOBREED. Za ovrednotenje zbirke genskih virov navadne (*Fagopyrum esculentum*) in tatarske ajde (*Fagopyrum tataricum*) smo uporabili različne deskriptorje za rastline. S predpisanimi deskriptorji (IPGRI, UPOV) za vrste *Fagopyrum* sp. in slikovnim gradivom smo prvič okarakterizirali ter opisali 239 genskih virov ajde. Knjiga je namenjena širokemu krogu zainteresiranih bralcev, od kmetov in študentov, do žlahtniteljev ter raziskovalcev, ki se lahko na ta način seznanijo z zbrano dednino ajde, shranjeno za bodoče rodove v Evropskih genskih bankah. Publikacijo posvečamo vsem, ki so ali še delujejo na področju rastlinskih genskih virov, jih ohranjajo za zanamce in s tem skrbijo za ohranjanje naravne ter kulturne dediščine tako v Sloveniji kot po svetu.

Avtorji

1 INTRODUCTION

Common buckwheat (*Fagopyrum esculentum* Moench.) is a crop native to China, grown mainly for its cereal-like fruits and as a cover crop and honey plant. A related and more bitter buckwheat species, named Tartary buckwheat (*Fagopyrum tataricum* (L.) Gaertn.) is a domesticated food crop common in Asia, especially in the higher altitudes of the Himalayas, but not so common in Europe and North America. Common buckwheat was grown as a traditional staple food in several regions of Europe, but its cultivation declined dramatically in the 20th century with the introduction of nitrogen fertilizers that increased the productivity of other staple crops. Nowadays, buckwheat is still grown in many countries such as China, Russia, Ukraine, Brazil, Japan, USA, etc., but also in the EU (France, Slovenia, Czech Republic, Poland, Slovakia, etc.).

Buckwheat is one of the healthy food grains that are increasingly demanded by consumers. It is naturally gluten-free and has a high content of rutin, which has a positive effect on blood circulation and blood vessels. Buckwheat has great potential for organic farming because it has lower soil requirements and improves the availability of phosphorus for the next crop. Phosphorus deficiency could be a major problem in crop production in the future, not only in organic farming.

Although buckwheat is a traditional crop in many EU countries such as Poland, Slovakia, Slovenia, the Czech Republic and France, it has received relatively little attention from breeding companies. In the past, there were several breeding activities in the Czech Republic, Poland, Slovakia, etc. Nowadays, however, knowledge about the current situation is still limited. The most problematic characteristics of the crop are lodging, seed shattering and low yields. Improved cultivation techniques and suitable breeding programmes could partially solve these problems.

The collection of buckwheat genetic resources established in the framework of the EU project ECOBREED has been studied for various genetic, phenological and morphometric traits. As part of the scientific research work in the Crop Science Department at the Agricultural Institute of Slovenia, the comprehensive buckwheat collection was grown in a pot experiment and described for the first time with several descriptors for plant and seed traits. A set of descriptors from IPGRI (1994) and UPOV (2012) specified in the guidelines for the evaluation of genetic resources of *Fagopyrum* spp. was used. In addition to the descriptions, extensive photographic material was taken during the growing season for each genetic resource and is presented in the publication.

2 STATUS REVIEW

2.1 GLOBAL AND EUROPEAN PRODUCTION OF BUCKWHEAT

Buckwheat has great potential in organic farming because it has lower soil requirements and can improve the accessibility of phosphorus for the next crop. Phosphorus deficiency could be a major problem for crop production in the future, and not only in organic farming. According to the Food and Agriculture Organization of the United Nations (FAO), nearly 2 million tons of buckwheat are produced annually worldwide, with more than 1 million tons, or 56 %, produced in Europe. The largest producing countries are the Russian Federation and China, followed by Ukraine, the United States of America, Brazil, and Japan (Table 1). The average global yield of buckwheat per hectare in 2020 was 1.0 t/ha, depending on the region or country and production technology. In Europe, the average yield per hectare was 1.1 t/ha. In 2020, Brazil had the highest average yield (1.4 t/ha) and Japan the lowest (0.7 t/ha).

Table 1. World production of buckwheat and the largest producing countries in 2020 (FAOStat, 2023)

Region/country	Area harvested (ha)	Production (t)	Yield (t/ha)
World	1 856 913	1 810 816	1.0
Europe	933 658	1 019 405	1.1
Asia	760 545	604 991	0.8
Americas	137 836	160 414	1.2
Africa	24 874	26 006	1.0
Russian Federation	821 366	892 160	1.1
China, mainland	624 780	503 988	0.8
Ukraine	84 100	97 640	1.2
United States of America	81 620	86 397	1.1
Brazil	46 416	65 117	1.4
Japan	66 600	44 800	0.7

World annual buckwheat production and yields per hectare during 1961–2021 are shown in Figure 1. During this period, the area under buckwheat has declined and stabilized at 2 to 3 million hectares (ha) in the last decade. Global yields per hectare are mostly between 0.8 t/ha and 1.2 t/ha and have not changed significantly over the past 30 years. Weather conditions during the growing season have a major influence on buckwheat production.

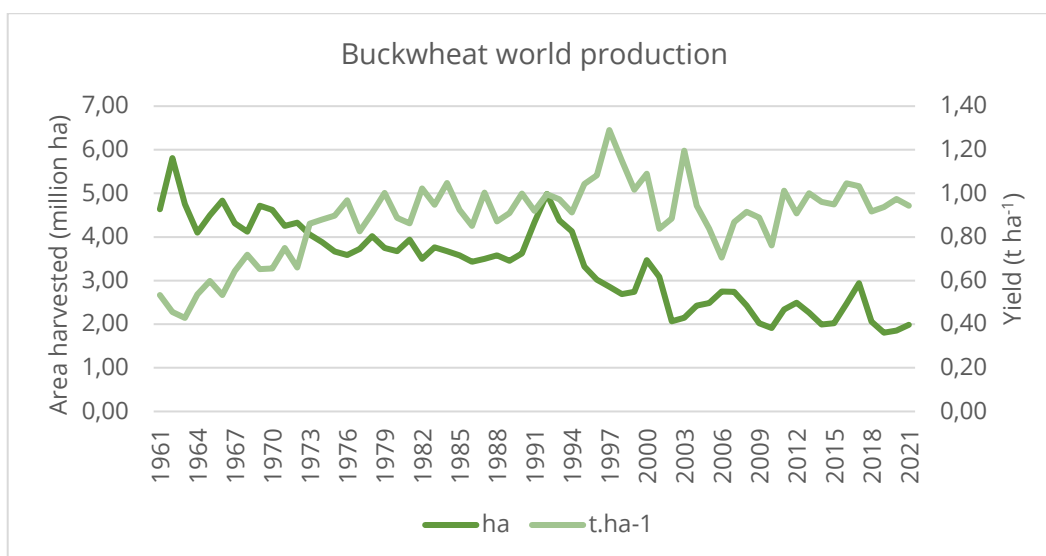


Figure 1. Annual world production of buckwheat and yields per hectare in the period 1961–2021 (FAOStat, 2023)

Annual buckwheat production and yields per hectare for EU countries in 2017 are shown in Figure 2. Poland, France, and Lithuania are the largest buckwheat producers in the EU, while Slovenia ranks sixth in terms of cultivated area. France and the Czech Republic achieve the highest yields per hectare (over 2.3 t/ha), while in Slovenia these average at 1 t/ha. Similar to the rest of the world, cultivation technology and weather conditions during growth have a major influence on yield in the various European countries.

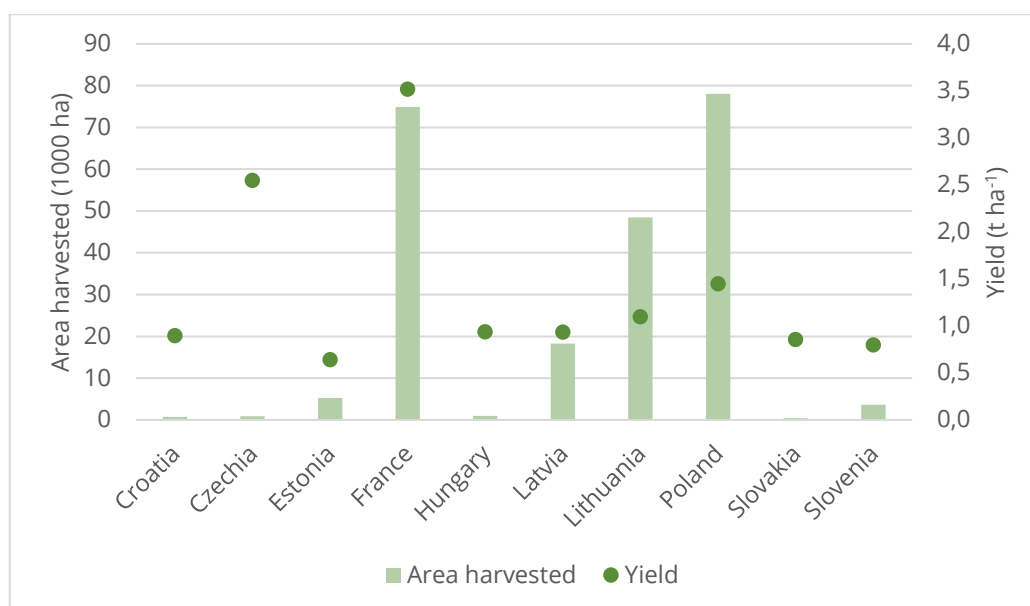


Figure 2. Annual production of buckwheat in EU countries and yields per hectare in 2017 (FAOStat, 2023)

2.2 BUCKWHEAT PRODUCTION IN SLOVENIA

The first data on buckwheat cultivation were collected in Slovenia around 1939 (Table 2). The area under buckwheat cultivation at that time was considerable and amounted to almost 32 000 ha with a yield of about 0.6 kg/ha. The area under buckwheat declined significantly to less than 1 500 ha by the 1980s. The main reason for this is that more profitable maize hybrids were introduced in the 1970s, displacing traditional buckwheat cultivation. Buckwheat grain yield during this period varied mainly between 0.6 t/ha and 1.2 t/ha.

Table 2. Production of buckwheat in Slovenia until 1990 (Archive KIS, 2022)

Year	Area harvested (ha)		Production (t)		Yield (t/ha)	
	Main crop	Second crop	Main crop	Second crop	Main crop	Second crop
mean 1985-1990	74	800	91	748	1.2	0.9
mean 1981-1985	67	1 074	74	891	1.1	0.8
mean 1976-1980	109	1 387	116	1 052	1.1	0.8
mean 1971-1975	148	3 167	132	1 765	0.9	0.6
mean 1966-1970	221	5 950	223	4 464	1.0	0.8
mean 1955-1964	292	10 734	216	6 550	0.7	0.6
1939	965	30 750	610	18 191	0.6	0.6

After 1990, significant changes occurred in the field of crop production in Slovenia, and branches of the agricultural sector had to specialize and adapt to the changes brought about by the loss of traditional markets. With Slovenia's independence in 1991, there was a new methodology for collecting statistical data, so it is often difficult to compare it objectively with older data. In 2000, the first independent agricultural census was conducted, harmonizing classifications with FAO and EUROSTAT recommendations.

In 2021, buckwheat was grown on 4 318 ha, most of them as a second crop (Table 3). On all these areas, a total of 3 720 t of buckwheat was produced with an average yield of 0.8–1.0 t/ha. Yield depends mainly on the growing season and weather conditions during buckwheat growth. The areas planted with buckwheat have increased significantly in recent years, more than tripling in 10 years. This can be seen in Figure 3, which shows the annual area planted to buckwheat in Slovenia over the last two decades.

In Slovenia, buckwheat is traditionally grown as a second crop, sown in summer after the harvest of other crops, usually after barley or early potatoes. Buckwheat is considered a good bee pasture, especially in the period when there is not much other bee forage. It is useful for quickly covering and enriching the soil and prevents weeding of fields for later cultivation.

Table 3. Production of buckwheat in Slovenia in the period 1991-2021 (SI-STAT, 2023)

Year	Area harvested (ha)		Production (t)		Yield (t/ha)	
	Main crop	Second crop	Main crop	Second crop	Main crop	Second crop
2021	430	3 888	417	3.303	1.0	0.8
2020	648	3 631	664	2.975	1.0	0.8
2019	464	2 723	450	2.006	1.0	0.7
2018	532	2 943	577	2.648	1.1	0.9
2017	643	3 004	540	2.369	0.8	0.8
2016	601	2 526	657	2.242	1.1	0.9
2015	682	1 753	830	1.569	1.2	0.9
2014	512	1 467	466	1.057	0.9	0.7
2013	362	1 039	238	814	0.7	0.8
2012	457	1 219	404	937	0.9	0.8
2011	471	709	571	674	1.2	1.0
2010	482	716	565	805	1.2	1.1
2009	403	641	458	535	1.1	0.8
2008	323	438	395	337	1.2	0.8
2007	351	458	360	401	1.0	0.9
2006	360	187	376	121	1.0	0.6
2005	222	589	242	1.211	1.1	2.1
2004	210	368	211	317	1.0	0.9
2003	166	523	114	446	0.7	0.9
2002	241	928	291	973	1.2	1.0
2001	218	524	235	567	1.1	1.1
2000	108	524	116	567	1.1	1.1
1999	90	511	95	592	1.1	1.2
1998	40	384	56	415	1.4	1.1
1997	40	405	52	446	1.3	1.1
1996	113	429	173	492	1.5	1.1
1995	165	487	247	609	1.5	1.3
1994	320	400	358	733	1.1	1.8
1993	44	411	53	250	1.2	0.6
1992	25	458	31	277	1.2	0.6
1991	49	568	72	483	1.5	0.9

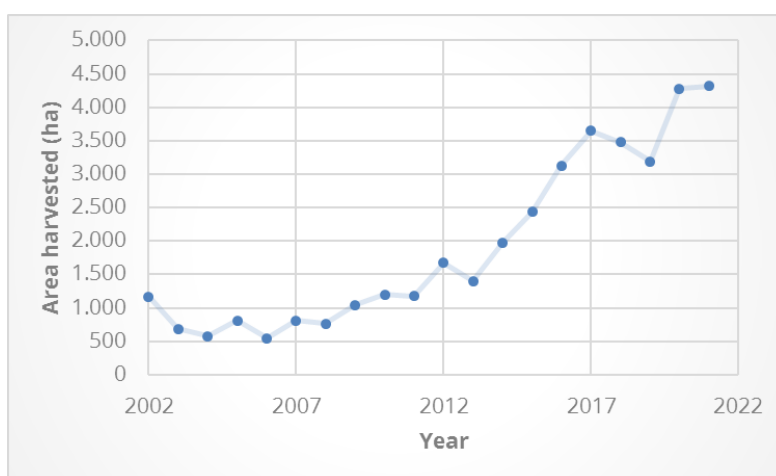


Figure 3. Annual area under buckwheat in Slovenia in the last two decades (SI-STAT, 2022)

3 BUCKWHEAT GENETIC RESOURCES IN ECOBREED

The focus of breeding has been in China, Korea, Japan, Poland, Russia, and Ukraine. Breeding programmes are still ongoing in Russia, China and Korea. There are numerous landraces in these countries, many of which have already been collected for selection and testing. Thousands of accessions of *Fagopyrum* spp. are stored in all buckwheat collections worldwide. Accessions of common and Tartary buckwheat were searched for the EURISCO, GRIN Global and GRIN Czech databases and through personal contacts with other buckwheat curators or/and partners involved in the project. The largest buckwheat collections are in China and Russia. However, the possibility of obtaining any of these accessions is very limited, even though the partner countries have an agreement on seed sample exchange between gene banks. There is also no data on phenotypic traits, such as plant lodging and flowering time determination, which are frequently requested by breeders.



Figure 4. Countries of origin of buckwheat genotypes in the collection

The ECOBREED buckwheat collection was defined using available genotypes from freely available gene banks and seed companies in Europe. Duplicates and genotypes with the same characteristics were included in the ECOBREED buckwheat collection. For this reason, discussions on the most important traits were held with breeders, farmers and producers, as well as with the curators of the buckwheat collections in the selected gene banks. The ECOBREED buckwheat collection was created according to eco-geographical principles. Genotypes from different environments across Europe were collected mainly from countries with a tradition of buckwheat cultivation, but

genotypes from important breeding countries such as Russia, Ukraine, China, India, and Japan were also included (Figure 4). Genotypes were also selected based on achene size, differential flower colour, and determinant flowering time. A range of selected genotypes includes commercial varieties, obsolete varieties, landraces, and populations of buckwheat.

The ECOBREED buckwheat collection included nearly 250 accessions from more than 30 countries (including the former Soviet Union, Czechoslovakia, etc.) and several gene banks (Czech Gene Bank, U.S. Gene Bank, Ukrainian Gene Bank, Austrian Gene Bank, Slovenian Gene Bank and Arche Noah) were selected. The basic idea was to identify material from different environments across Europe, i.e. from north to south and from west to east, including landraces, varieties currently popular in organic farming, and commercial conventional varieties. Accessions were selected for their value for further breeding purposes (tetraploid varieties, red and/or green corolla, different achene colours, etc.) and for their country of origin. Unfortunately, it was not possible to obtain accessions from China, the country of origin of buckwheat. Most of the accessions come from the former Soviet Union, Ukraine and Russia, where most of the breeding programmes were started in the last sixty years. The ECOBREED buckwheat collection in this publication includes a total of 239 genetic resources of *Fagopyrum* spp. of which 187 belong to common buckwheat (*Fagopyrum esculentum* Moench.) (see Chapter 5) and 52 to Tartary buckwheat (*Fagopyrum tataricum* L. Gaertn.) (see Chapter 6).

3.1 POT EXPERIMENT

An outdoor pot experiment was conducted at the Agricultural Institute of Slovenia in Ljubljana, Slovenia (46°06' N 14°51' E, 295 m a.s.l.), during the 2021 buckwheat growing season, i.e. from May to September. The five seeds of each genetic resource of buckwheat from the collection were sown on 10 May to a depth of about 2–3 cm in 7-litre plastic pots filled with Potgrond H substrate (Klassman, Germany). After sowing, perlite was added to the top of each pot for better moisture control. The pots prepared in this way were placed on floating tables in a heated glasshouse at 22 °C and watered manually as needed (see Figure 5).



Figure 5. Pot experiment at sowing (left) and at germination stage (right) in the glasshouse of the Agricultural Institute of Slovenia in 2021

Because post-germination weather conditions, such as rain and low temperatures, were not optimal for moving the young buckwheat plants outdoors the pots were removed from the glasshouse on 10 June. Weather conditions at the experimental site are shown in Figure 6. The high rainfall in May (253 mm) with low average temperatures (13.5 °C) can be clearly seen.

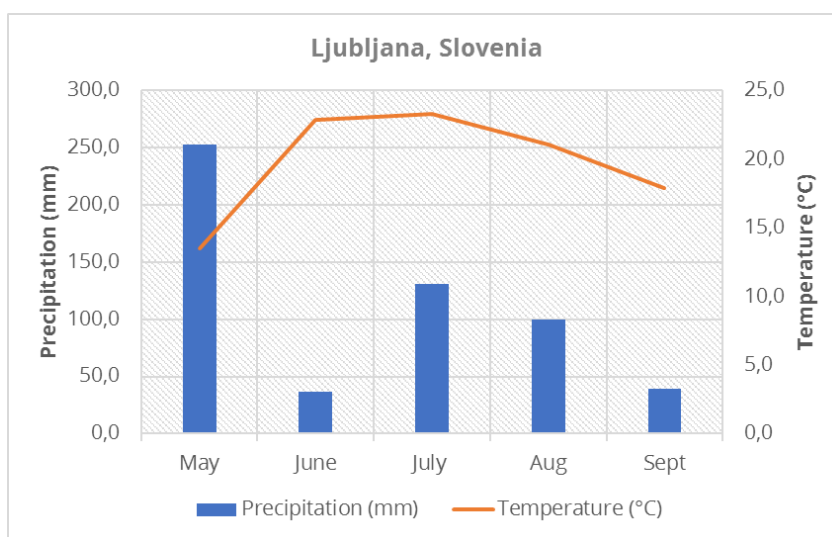


Figure 6. Weather conditions at the experimental site in 2021

Plant characteristics were observed and evaluated at different plant stages, e.g. germination, flowering, physiological maturity, full flowering, when 75% of seeds turn brown, mature seed stage, etc. In addition to observations and assessments, extensive photographic material was taken for each genetic resource during the growing season. The pot experiment conducted at the Agricultural Institute of Slovenia in 2021 is shown in Figure 7 at the early stage and in Figure 8 at the flowering stage.



Figure 7. Early-stage pot experiment at the Agricultural Institute of Slovenia in 2021



Figure 8. Pot experiment in the flowering stage at the Agricultural Institute of Slovenia in 2021

4 EVALUATION OF BUCKWHEAT COLLECTION WITH PLANT DESCRIPTORS

Descriptors for the characterization of buckwheat genetic resources are prepared by several international organizations. For the description of phenological and seed characteristics in this publication, selected descriptors predefined by IPGRI – International Plant Genetic Resources Institute (IPGRI, 1994) and UPOV – International Union for the Protection of New Varieties (UPOV, 2012) were used. For each genetic resource of buckwheat, the quantitative (numerical) and qualitative (descriptive) parameters of plants and seeds were evaluated using different descriptors.

A set of 22 ECOBREED descriptors (marked with *) with additional ten IPGRI and three UPOV descriptors were evaluated and are presented in the following tables. The numerical parameters plant height (cm), petiole length (mm), leaf blade length (cm), leaf blade width (cm), and length of cyme (cm) were measured using a soft plastic tape accurate to 0.1 mm. Numerical parameters seed length (mm), seed width (mm), and 1000-seed weight (g) were measured using Marvin seed analyser (Marvitech GmbH, Germany). Descriptive parameters were evaluated according to ECOBREED, IPGRI and UPOV descriptors, which are divided into classes based on different scales and intervals. A detailed description for each descriptor can be found in the tables below. A Canon PowerShot SX510 HS portable camera was used to take photographs. To ensure that all photos taken were of the same quality, the shooting mode AUTO was used.

The description of 187 genetic resources of common buckwheat (*Fagopyrum esculentum* Moench.) is included in Chapter 5 and that of 52 Tartary buckwheat (*Fagopyrum tataricum* L. Gaertn.) in Chapter 6. For each genetic resource, the ECOBREED, IPGRI and UPOV descriptors are listed on the odd-numbered pages in the same order as in the table below, along with the corresponding descriptions (see Scale (interval)). The representative photos of leaves, flowers, flowering branches and seeds are shown on the even pages.

List of descriptors

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	3 - Green, 5 - Pink, 7 - Red
7.1.2*	Growth and branch shoot habit	3 - Semi-erect shorter, 5 - Semi-erect longer, 7 - Erect shorter, 9 - Erect longer (<i>see Figure 9a</i>)
7.1.4*	Plant height (cm)	1 - Very low (≤ 85 cm), 3 - Low (86–100 cm), 5 - Intermediate (101–115 cm), 7 - High (116–130 cm), 9 - Very high (≥ 131 cm)
7.1.6*	Plant branching	1 - Very weak (no branch), 3 - Weak (1–3 branches), 5 - Intermediate (4–5 branches), 7 - Strong (6–7 branches), 9 - Very strong (≥ 8 branches)
7.1.7*	Stem colour	3 - Green, 5 - Pink, 7 - Red
7.1.11	Lodging susceptibility	1 - Very low (0%), 3 - Low (25%), 5 - Intermediate (50%), 7 - High (75%), 9 - Very high (100%)
7.1.12*	Leaf colour (on middle part of main stem)	3 - Green, 5 - Pink, 7 - Red
7.1.12.1 (only for Tartary)	Leaf margin colour	3 - Green, 5 - Pink, 7 - Red
7.1.12.2	Leaf vein colour	3 - Green, 5 - Pink, 7 - Red
7.1.13*	Leaf number	1 - Very low (1–3 leaves), 3 - Low (4–7 leaves), 5 - Intermediate (8–12 leaves), 7 - High (13–15 leaves), 9 - Very high (more than 16 leaves)
7.1.15	Petiole length (mm)	1 - Very low (≤ 5.3 cm), 3 - Low (5.4–6.5 cm), 5 - Intermediate (6.6–7.7 cm), 7 - High (7.8–8.9 cm), 9 - Very high (≥ 9.0 cm)
7.1.16*	Petiole colour	3 - Green, 5 - Pink, 7 - Red
7.1.17*	Leaf blade length (cm)	1 - Very low (≤ 6.5 cm), 3 - Low (6.6–7.5 cm), 5 - Intermediate (7.6–8.5 cm), 7 - High (8.6–9.5 cm), 9 - Very high (≥ 9.6 cm)
7.1.18*	Leaf blade width (cm)	1 - Very low (≤ 7.0 cm), 3 - Low (7.1–8.0 cm), 5 - Intermediate (8.1–9.0 cm), 7 - High (9.1–10.0 cm), 9 - Very high (≥ 10.1 cm)
7.1.19*	Leaf blade shape (on middle part of main stem)	1 - Ovate, 2 - Hastate, 3 - Sagittate (intermediate), 4 - Cordate, 5 - Other (<i>see Figure 9b</i>)
7.2.1*	Days to flowering (from sowing to 50% fully open flowers)	1 - Very early (≤ 46 days), 3 - Early (47–51 days), 5 - Intermediate (52–56 days), 7 - Late (57–61 days), 9 - Very late (≥ 62 days)
7.2.2*	Compactness of inflorescence	3 - Cyme loose, 5 - Cyme semi-compact, 7 - Cyme compact (<i>see Figure 9c</i>)
7.2.3	Branched inflorescence	0 - No, 1 - Yes
7.2.4*	Colour of inflorescence stalk	3 - Green, 5 - Pink, 7 - Red
7.2.5	Length of cyme (cm)	1 - Very low (≤ 45 cm), 3 - Low (46–55 cm), 5 - Intermediate (56–65 cm), 7 - High (66–75 cm), 9 - Very high (≥ 76 cm)
7.2.6*	Number of flowers clusters per cyme	1 - Very low (≤ 6), 3 - Low (7–9), 5 - Intermediate (10–12), 7 - High (13–15), 9 - Very high (≥ 16)
7.2.7	Number of cymes per plant	1 - Very low (≤ 4), 3 - Low (5–6), 5 - Intermediate (7–8), 7 - High (9–10), 9 - Very high (≥ 11)
7.2.8*	Flower colour	1 - White, 3 - Greenish-yellow, 7 - Pink, 9 - Red

7.2.9 (only for common)	Flower morphology	1 - Stamens shorter than style, 2 - Stamens as long as style, 3 - Stamens longer than style (see Figure 9d)
7.2.11	Germination period (days)	
7.2.12*	Days to maturity (between sowing and physiological maturity)	1 - Very early (< 60 days), 2 - Early (60–75 days), 3 - Intermediate (76–90 days), 4 - Late (91–105 days), 5 - Very late (> 105 days)
7.3.2*	Seed colour	3 - Grey, 5 - Brown, 7 - Black, 9 - Mottled
7.3.5*	Seed shape	1 - Triangular, 2 - Ovate (intermediate), 3 - Conoidal, 4 - Other (see Figure 9e)
7.3.6*	Seed surface	1 - Smooth, 2 - Irregular or wrinkled, 3 - Other
7.3.7*	Seed length (mm)	1 - Very low (≤ 3.5 mm), 3 - Low (3.6–4.5 mm), 5 - Intermediate (4.6–5.5 mm), 7 - High (5.6–6.5 mm), 9 - Very high (≥ 6.6 mm)
7.3.8*	Seed width (mm)	1 - Very low (≤ 2.5 mm), 3 - Low (2.6–3.3 mm), 5 - Intermediate (3.4–4.1 mm), 7 - High (4.2–4.9 mm), 9 - Very high (≥ 5.0 mm)
7.3.9*	1000-seed weight (g)	1 - Very low (≤ 14.0 g), 3 - Low (14.1–18.0 g), 5 - Intermediate (18.1–22.0 g), 7 - High (22.1–25.9 g), 9 - Very high (≥ 26.0 g)

*ECOBREED descriptor

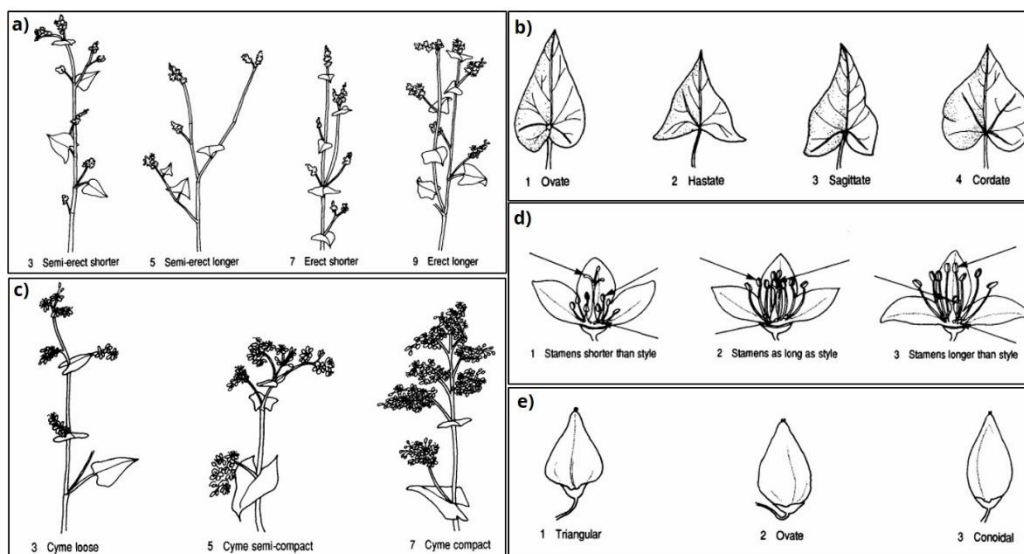


Figure 9. IPGRI description scale for (a) growth and branch shoot habit, (b) leaf blade shape, (c) compactness of inflorescence, (d) flower morphology, and (e) seed shape

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	1 - Absent or very weak, 3 - Weak, 5 - Medium, 7 - Strong
15.	Stem: number of nodes	3 - Few, 5 - Medium, 7 - Many
16.	Stem: diameter	1 - Small, 2 - Medium, 3 - Large

5 CHARACTERISTICS OF COMMON BUCKWHEAT GENETIC RESOURCES

List of 187 genetic resources of *Fagopyrum esculentum* Moench.

ECOBREED No.	Accession No.	Accession Name	Acquisition Date	Origin
1	commercial variety	Zita	n.a.	Czech Republic
2	commercial variety	Zoe	n.a.	Czech Republic
3	commercial variety	Panda	2003	Russian Federation
4	commercial variety	Harpe	n.a.	France
5	commercial variety	Kora	1996	unknown
6	commercial variety	Hruszowska	1994	Poland
7	commercial variety	Bamby	2003	Austria
8	commercial variety	Billy	2003	Austria
9	commercial variety	Eva	n.a.	Slovenia
10	commercial variety	Čebelica	n.a.	Slovenia
12	commercial variety	Zamira	n.a.	not determined
13	01Z5000127	Jana	2001	unknown
14	01Z5000071	Dozhdik	n.a.	Belarus
15	01Z5000010	Sibiryachka	1992	Former Soviet Union
16	01Z5000055	Arihira Zairai	1992	Japan
17	01Z5000052	Hara Zairai	1992	Japan
18	01Z5000143	CD 7272	2003	Czechoslovakia
19	01Z5000058	BALLADA	1993	Former Soviet Union
20	01Z5000141	Sweden-1	2003	Sweden
21	01Z5000070	Spacinska 1	1996	Slovakia
22	01Z5000129	LUBA	2003	Russian Federation
23	UC0101129	KARA-DAG	1997	Ukraine
24	01Z5000072	Sudtirol Nr. 3	1996	unknown
25	01Z5000140	Tempest	2003	Canada
26	01Z5000017	MONORI	1992	unknown
27	01Z5000047	Tokushima Zairai	1992	Japan
28	01Z5000112	GEMA	1996	Poland
29	01Z5000046	Iwate Zairai (MIDOU)	1992	Japan
30	01Z5000049	Yaita Zairai	1992	Japan
31	01Z5000050	Stoyoama Zairai	1992	Japan
32	01Z5000137	Pulawska II	2003	Poland
33	01Z5000131	Ceska krajova	n.a.	Czechoslovakia
34	01Z5000133	ROKSOLANA	2003	Russian Federation
35	01Z5000134	Rubra	2003	Russian Federation
36	01Z5000066	Prego	1994	Germany
37	01Z5000067	Chernigovskaya 17	1996	Ukraine
38	01Z5000004	Chishiminskaya	1992	Former Soviet Union
39	01Z5000006	Krasnostreletska	1992	Former Soviet Union
40	01Z5000018	Lehnicka krajova	1996	Slovakia
41	01Z5000051	Botansoba	1992	Japan
42	01Z5000069	Vychodoslovenska krajova	1996	Slovakia

43	01Z5000060	Sumcanka	1993	Former Soviet Union
44	01Z5000061	SKOROSPELAJA,SKOROSPELAYA	1993	Former Soviet Union
45	01Z5000063	PYRA	1993	Czechoslovakia
46	01Z5000113	Lopfe	1996	unknown
47	01Z5000059	KRUPINKA	1993	Former Soviet Union
48	01Z5000001	AELITA	1992	Former Soviet Union
49	01Z5000007	Lada	1992	Former Soviet Union
50	01Z5000013	Alaya 846	1996	Ukraine
51	01Z5000111	Emka	n.a.	Poland
57	SRGB 2285	Kleče	n.a.	Slovenia
60	SRGB 2296	Brusnice, Novo Mesto	n.a.	Slovenia
61	SRGB 2207	Slovenj Gradec	n.a.	Slovenia
62	SRGB 2266	Krajna vas, Sežana	n.a.	Slovenia
63	SRGB 2305	Jeprca, Medvode	n.a.	Slovenia
64	SRGB 2222	SRGB 2222	n.a.	Slovenia
65	SRGB 2273	Vojščica pri Kostanjevici	n.a.	Slovenia
67	SRGB 2265	Gorenje Nekovo, Kanal	n.a.	Slovenia
69	SRGB 2270	Temnica na Krasu	n.a.	Slovenia
71	SRGB 2198	Vrhtrebnje	n.a.	Slovenia
73	SRGB 5702	SVNGOR 2010-14	2010	Slovenia
74	SRGB 5553	SVNDOL2007-41	2007	Slovenia
75	SRGBTBA	HUNORS 2010-9	2010	Slovenia
76	PI 658444	Laharpe/PA 029	2009	France
78	PI 647640	CD 7272	2007	Czechoslovakia
80	PI 647598	Pulawska/PA 054	2007	Poland
81	PI 263949	PA 127	1960	Serbia
82	PI 647594	Tokyo/PA 011	2007	Canada
85	PI 658436	Martin's Alaska	2009	United States
86	PI 647601	Nostrano	2007	Italy
91	PI 647638 12GI SD	MC 060	n.a.	Former Soviet Union
92	PI 647603	Sarrasin du Pays/PA 030	2007	France
93	PI 658446 99GI SD	Clfa 33	n.a.	United States
94	PI 658440	Enka	2009	Denmark
95	PI 658441 02GI SD	PA 001	n.a.	United States
97	PI 647673	Gornosorskaya	2007	Soviet Union, Former
98	PI 658447	PA 002	2009	United States
99	01Z5000011	Skorospelaya 81	1992	Former Soviet Union
101	01Z5000064	La Harpe	n.a.	France
102	01Z5000115	Kasanskaya	n.a.	Former Soviet Union
103	01Z5000118	Podojlanka,Podolyanka	2000	Former Soviet Union
104	01Z5000002	Astoriya	1992	Former Soviet Union
105	01Z5000037	PI 481638	n.a.	Bhutan
106	01Z5000040	PI 481641	n.a.	Bhutan
107	01Z5000074	832003	n.a.	unknown
108	01Z5000056	35273	n.a.	Germany
109	01Z5000057	53342	n.a.	Germany
110	01Z5000062	Bolshevik 4	1993	Former Soviet Union
111	01Z5000025	8429	n.a.	unknown
112	01Z5000092	Kasanskaya,Kusanskaja	1996	Belarus
113	01Z5000093	JEZYK	1996	unknown
114	01Z5000105	Komsta	n.a.	Former Soviet Union

115	01Z5000009	Prikamskaya	1992	Former Soviet Union
116	01Z5000012	Shatilovskaya 5	1992	Former Soviet Union
117	01Z5000016	LOCAL	1992	unknown
118	01Z5000030	PI 481630	n.a.	Bhutan
119	01Z5000032	PI 481632	n.a.	Bhutan
120	01Z5000117	Demetra	2001	Former Soviet Union
125	01Z5000120	Darja	2001	Slovenia
137	01Z5000020	Orbita	1992	unknown
148	01Z5000119	SIVA	2001	Slovenia
149	01Z5000138	Tohno Zairai	2003	Canada
150	01Z5000139	Silverhull 24	2003	Canada
151	01Z5000022	4411	n.a.	unknown
152	01Z5000029	PI 481629	n.a.	Bhutan
153	01Z5000038	PI 481639	n.a.	Bhutan
154	01Z5000039	PI 481640	n.a.	Bhutan
155	01Z5000043	PI 482595	n.a.	Zimbabwe
156	01Z5000045	PI 482597	n.a.	Zimbabwe
157	01Z5000023	4419	n.a.	unknown
158	01Z5000024	8428	n.a.	unknown
159	01Z5000094	JUBILEJNAJA, Yubileina	1996	unknown
160	01Z5000041	PI 481642	n.a.	Bhutan
161	01Z5000121	Rana 60	2001	Slovenia
162	01Z5000048	Takizawa Zairai	1992	Japan
163	01Z5000076	Zelenocvetkovaya 90	1996	unknown
164	01Z5000005	Kalininskaya	1992	Former Soviet Union
165	01Z5000124	Bongpyng	2001	unknown
166	01Z5000125	Suwon #1	2001	unknown
167	01Z5000084	Anita Beloruskaya	1996	Ukraine
168	01Z5000015	Vita Galeya	1992	Former Soviet Union
169	01Z5000014	UKRAJINSKAJA, Viktoriya Podolskaya	1992	Former Soviet Union
170	01Z5000008	Maiskaya	1992	Former Soviet Union
172	01Z5000021	Slavyachka	1996	Ukraine
173	01Z5000068	Viktoriya	1996	Ukraine
174	01Z5000100	GREEN COROLLA 2	1996	unknown
175	01Z5000122	Darina	2001	Slovenia
176	01Z5000144	CD 7273	2003	unknown
177	01Z5000042	PI 481643	n.a.	Bhutan
178	UC0101155	KOSMEYA	1994	Ukraine
179	UC0101182		n.a.	Australia
180	UC0101319		n.a.	Ukraine
181	UC0101496	RADEKHIVS'KA POLIPSHENA	n.a.	Ukraine
182	UC0101642	DETERMINANT 2	n.a.	Ukraine
183	UC0101679		n.a.	Canada
187	UC0101906	mistsevii 58	1995	Lithuania
188	UC0101927		n.a.	Georgia
189	UC0101942		n.a.	Australia
190	UC0101948		n.a.	Etiopia
191	UC0101972	AKADEMICHNA	2004	Ukraine
192	UC0101979	Malinka	2006	Ukraine
193	UC0101987	KARMEN	2005	Belarus
194	UC0100115	BOGATyR	1992	Russian Federation

195	UC0100100	Hibridnaya	1992	Russian Federation
196	UC0100149		n.a.	Hungary
197	UC0100170	Krupnoplodnaya	n.a.	Russian Federation
199	UC0100210	Bogatyr	n.a.	Russian Federation
200	UC0100212	Mestnyy 31	n.a.	Lithuania
201	UC0100276	Bol'shevik-Albaniya	1992	Albania
202	UC0100277		n.a.	Netherlands
203	UC0100278		n.a.	South Korea
204	UC0100279		n.a.	South Korea
205	UC0100281		n.a.	France
206	UC0100282		n.a.	France
207	UC0100283		1992	Sweden
208	UC0100285	Tetraploidna	1992	Russian Federation
209	UC0100280		n.a.	France
211	UC0100361	Sadkom	1993	Poland
212	UC0100723		1994	Belarus
213	UC0100362	Bilorus'ka gomostil'na	1993	Belarus
214	UC0100912	Serebrista	1994	Ukraine
215	UC0100365	CHornogorets'	1992	Belarus
216	UC0100946		n.a.	United States
217	UC0100948	MostÅšapaz	1994	Poland
218	UC0100949	Olmemil'	1994	People's republic of Korea
219	UC0101095	Shinano1	n.a.	Japan
221	UC0101129	Kara-Dag	n.a.	Ukraine
222	UC0100991	Bilorus'ka odnostebel'na	n.a.	Belarus
223	UC0100988	Mig	n.a.	Russian Federation
224	UC0101092	SKOROSTIGLA 86	n.a.	Russian Federation
225	UC0101109	Gorets' vuz'kolistii	1993	Russian Federation
226	UC0101992	Perlyna Podil's'ka	n.a.	Ukraine
227	UC0102165	Kvyetka determinantna	2010	Belarus
228	UC0102185	Shortandinskaya2	2010	Kazakhstan
229	UC0100348	Zelenokvitkova 90	1992	Ukraine
230	UC01002208	Arno	n.a.	Canada
231	UC0100177	Emka	n.a.	Poland
232	UC0102193	Vlada	2011	Belarus
233	UC0102207	Ruslana	n.a.	Ukraine
235	UC0102114	Marta	n.a.	Belarus
236	UC0101698	Krupnoplodna SHertandins'k	1992	Kazakhstan
237	UC0102201	Aresa	n.a.	Belarus
238	UC0102203	Ametist	n.a.	Belarus
239	UC0102205	Feniks	n.a.	Belarus
240	64	Nostran	n.a.	not determined
241	63-WC	Aiva	n.a.	Latvia
243	66	From Poland	n.a.	unknown

ECOBREED_1

Zita

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (94 ± 14 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.0 ± 2.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.1 ± 0.5 cm)
7.1.18*	Leaf blade width	Very high (10.1 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (66 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (4.00 mm)
7.3.9*	1000-seed weight	Intermediate (21.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_2

Zoe

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (115 ± 8 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.2 ± 2.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.1 ± 0.5 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (68 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Very low (4 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (20.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_3

Panda

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (98 ± 10 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (4–5 leaves)
7.1.15	Petiole length	High (8.0 ± 2.3 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.9 ± 0.3 cm)
7.1.18*	Leaf blade width	Intermediate (8.2 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (60 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 3)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / black / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Intermediate (21.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_4

La Harpe

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (110 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Low (25%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (4-5 leaves)
7.1.15	Petiole length	High (8.6 ± 3.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.0 ± 0.4 cm)
7.1.18*	Leaf blade width	High (9.3 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (75 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Low (4.5 mm)
7.3.8*	Seed width	Intermediate (3.5 mm)
7.3.9*	1000-seed weight	Low (17.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_5

Kora

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (88 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4–5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	High (75%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Very high (9.4 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.1 ± 0.3 cm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (52 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Intermediate (21.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_6

Hruszowska

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (78 ± 4 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Pink
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.2 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.0 ± 0.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.4 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (50 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Intermediate (21.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_7

Bamby

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very low (76 ± 4 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 2.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.3 ± 1.0 cm)
7.1.18*	Leaf blade width	Very low (6.9 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (52 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Very low (4 ± 1)
7.2.8*	Flower colour	Pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.5 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (19.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_8

Billy

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (99 ± 24 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Low (25%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.7 ± 3.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.3 ± 2.2 cm)
7.1.18*	Leaf blade width	High (9.5 ± 2.6 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (83 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (17 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / black
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Very high (5.0 mm)
7.3.9*	1000-seed weight	Very high (29.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_9

Eva

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (94 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 2.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.6 ± 0.3 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (87 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (18 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (24.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_10

Čebelica

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (99 ± 11 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.3 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.6 ± 0.7 cm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 1.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (77 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	High (20.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_12

Zamira

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Intermediate (102 ± 16 cm)
7.1.6*	Plant branching	Very weak (no branch)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.5 ± 3.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.9 ± 1.5 cm)
7.1.18*	Leaf blade width	High (9.6 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	Very low (4 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (27.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_13

01Z5000127

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very low (79 ± 17 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (5.6 ± 2.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.3 ± 1.4 cm)
7.1.18*	Leaf blade width	Very low (6.4 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (50 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (71 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	Very high (5.1 mm)
7.3.9*	1000-seed weight	Very high (29.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_14

01Z5000071

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (98 ± 11 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.1 ± 2.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.9 ± 1.5 cm)
7.1.18*	Leaf blade width	High (9.3 ± 1.5 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (62 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.8 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (31.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_15

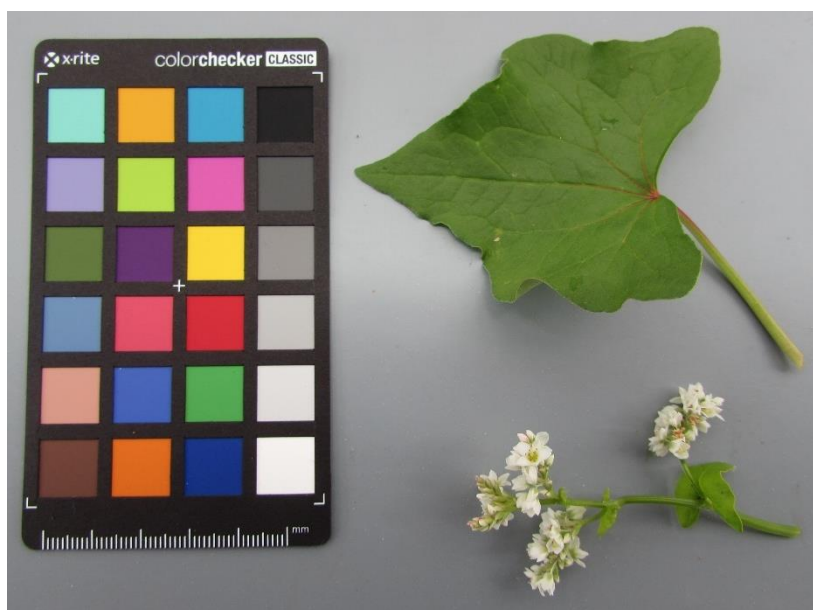
01Z5000010

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	High (116 ± 21 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / pink / red
7.1.11	Lodging susceptibility	Low (25%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (7.8 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.2 ± 0.7 cm)
7.1.18*	Leaf blade width	Low (8.0 ± 1.1 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (59 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.6 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (32.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_16

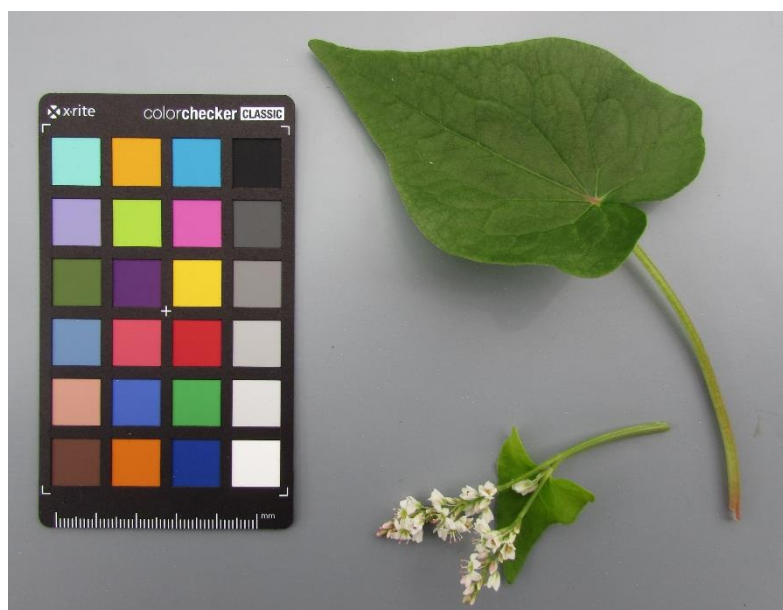
01Z5000055

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (97 ± 6 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 2.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 1.9 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (49 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (29.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_17

01Z5000052

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (113 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Very high (9.3 ± 3.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.5 ± 1.2 cm)
7.1.18*	Leaf blade width	Very high (10.7 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (81 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (30.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_18

01Z5000143

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (123 ± 8 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.0 ± 2.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (8.6 ± 0.7 cm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_19

01Z5000058

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (101 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (7.8 ± 2.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (6.9 ± 1.1 cm)
7.1.18*	Leaf blade width	Low (7.6 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (66 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	Very high (26.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_20

01Z5000141

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (106 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 3.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.5 ± 0.7 cm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (56 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.7 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (30.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_21

01Z5000070

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (107 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 2.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.2 ± 2.0 cm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (28.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_22

01Z5000129

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (99 ± 14 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.4 ± 2.6 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.4 ± 1.1 cm)
7.1.18*	Leaf blade width	Intermediate (8.4 ± 1.5 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (65 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_23

UC0101129

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (64 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very low (4.6 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.0 cm)
7.1.18*	Leaf blade width	Low (7.1 ± 0.9 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (50 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (58 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (24.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_24

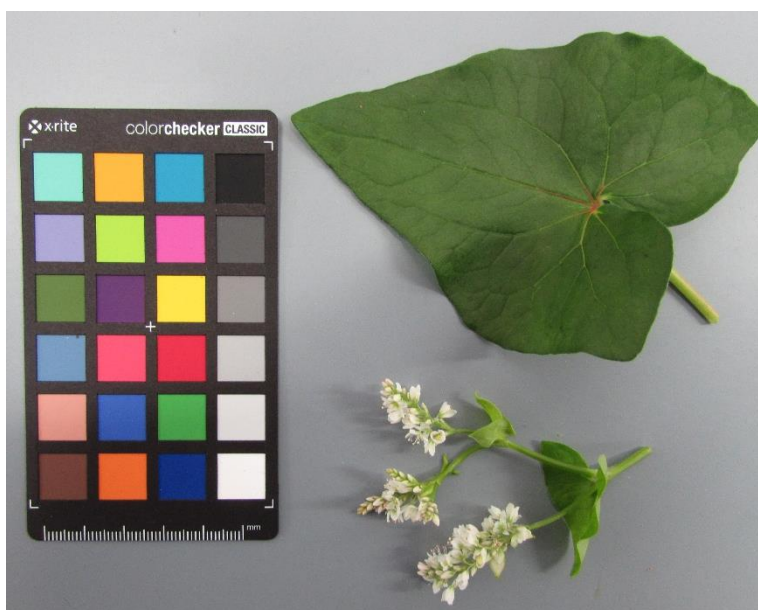
01Z5000072

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (114 ± 11 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 2.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 1.2 cm)
7.1.18*	Leaf blade width	Intermediate (8.9 ± 2.7 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (74 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.8 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (26.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_25

01Z5000140

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (96 ± 5 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 3.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.4 ± 1.3 cm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 1.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (75 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (22.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_26

01Z5000017

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (97 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.5 ± 4.2 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.3 ± 0.6 cm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (65 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Very low (4 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (25.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_27

01Z5000047

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (91 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 2.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 1.2 cm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 1.3 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.8 mm)
7.3.8*	Seed width	High (4.7 mm)
7.3.9*	1000-seed weight	High (24.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_28

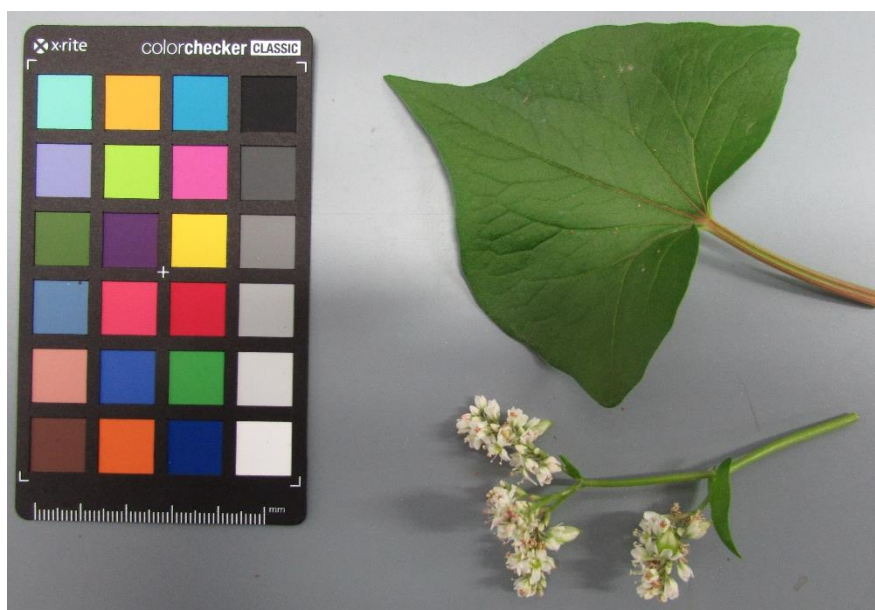
01Z5000112

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (103 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 2.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.2 ± 1.0 cm)
7.1.18*	Leaf blade width	Intermediate (8.8 ± 1.0 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (58 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_29

01Z5000046

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (103 ± 3 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 2.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.4 ± 0.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.6 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (62 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (27.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_30

01Z5000049

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	High (123 ± 17 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.2 ± 3.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.5 ± 2.1 cm)
7.1.18*	Leaf blade width	High (9.5 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (90 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (23.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_31

01Z5000050

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (116 ± 3 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	High (8.8 ± 3.7 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	High (8.6 ± 0.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 1.3 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (79 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (27.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_32

01Z5000137

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Red
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (99 ± 14 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (5.8 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.4 ± 1.3 cm)
7.1.18*	Leaf blade width	Intermediate (8.8 ± 1.2 cm)
7.1.19*	Leaf blade shape	Cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (69 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.5 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Intermediate (20.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_33

01Z5000131

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (108 ± 4 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (7.9 ± 3.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (9.8 ± 1.4 cm)
7.1.18*	Leaf blade width	High (9.4 ± 1.2 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (22.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_34

01Z5000133

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (99 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / pink / red
7.1.11	Lodging susceptibility	Low (25%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.0 ± 3.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.7 ± 1.3 cm)
7.1.18*	Leaf blade width	High (9.2 ± 1.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (68 ± 11 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.6 mm)
7.3.8*	Seed width	Very high (5.0 mm)
7.3.9*	1000-seed weight	Very high (33.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_35

01Z5000134

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Red
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (93 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.2 ± 2.9 mm)
7.1.16*	Petiole colour	Red
7.1.17*	Leaf blade length	High (9.2 ± 1.7 cm)
7.1.18*	Leaf blade width	High (9.4 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very high (81 ± 17 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Pink / red
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

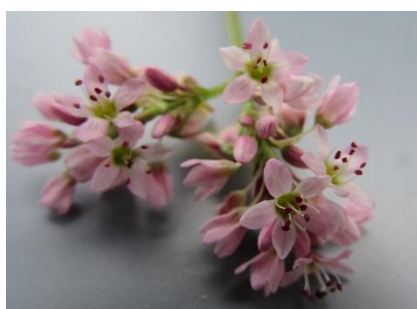
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_36

01Z5000066

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (97 ± 18 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.0 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.9 ± 1.1 cm)
7.1.18*	Leaf blade width	Low (7.2 ± 0.9 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (69 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_37

01Z5000067

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very low (71 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.1 ± 2.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.4 cm)
7.1.18*	Leaf blade width	High (9.1 ± 1.3 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (57 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (27.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_38

01Z5000004

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (115 ± 18 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.2 ± 0.9 cm)
7.1.18*	Leaf blade width	Low (7.8 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (63 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (23.9 g)

*ECOBREED descriptor

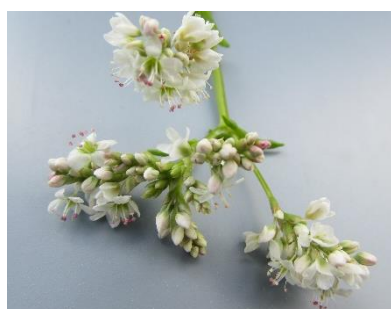
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_39

01Z5000006

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (99 ± 12 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 3.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (6.9 ± 1.5 cm)
7.1.18*	Leaf blade width	Low (7.7 ± 1.3 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (78 ± 12 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (29.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_40

01Z5000018

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	High (124 ± 10 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 2.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.3 ± 0.9 cm)
7.1.18*	Leaf blade width	Low (8.0 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (57 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_41

01Z5000051

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (103 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 2.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.1 ± 1.6 cm)
7.1.18*	Leaf blade width	High (9.4 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme-semi compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.7 mm)
7.3.9*	1000-seed weight	Very high (31.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_42

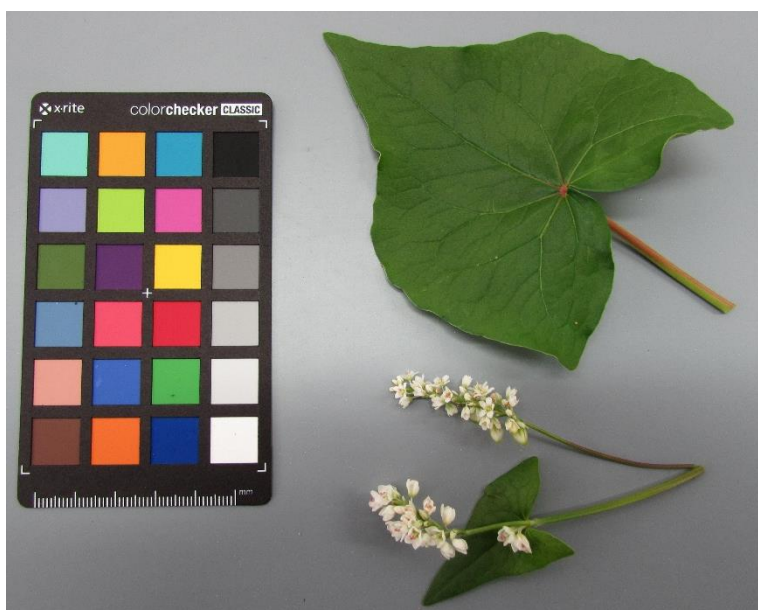
01Z5000069

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (98 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 2.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.8 ± 0.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.9 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme-semi compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (61 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (30.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_43

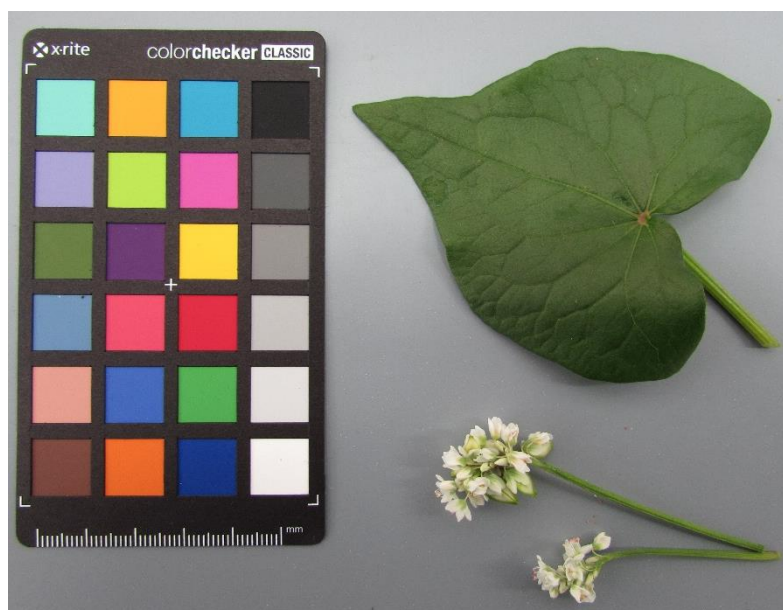
01Z5000060

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very low (67 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Very low (5.3 ± 2.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (5.9 ± 2.1 cm)
7.1.18*	Leaf blade width	Low (7.8 ± 1.1 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (22 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (2 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.7 mm)
7.3.9*	1000-seed weight	Very high (30.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_44

01Z5000061

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (104 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.1 ± 2.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.4 ± 1.4 cm)
7.1.18*	Leaf blade width	Very low (6.5 ± 1.5 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (48 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / black / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.9 mm)
7.3.9*	1000-seed weight	Very high (33.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_45

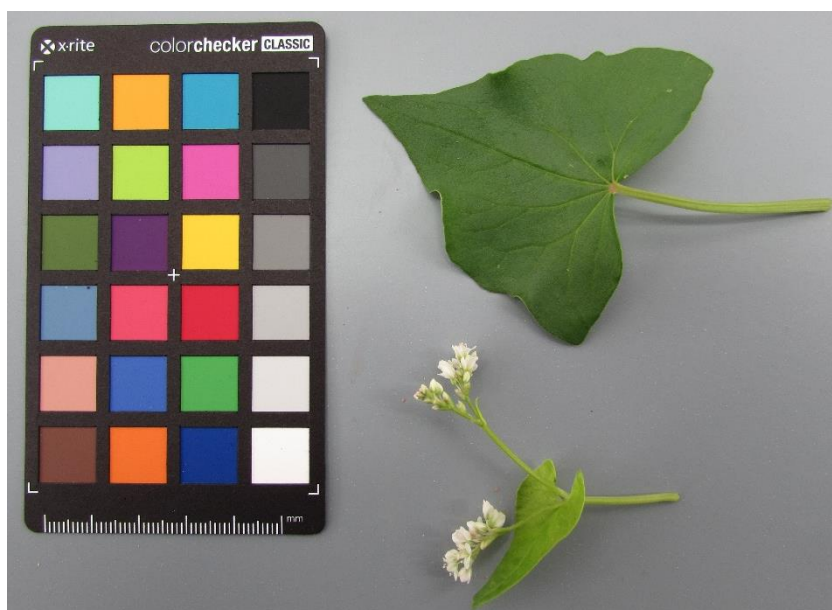
01Z5000063

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very low (62 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.4 ± 2.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 1.0 cm)
7.1.18*	Leaf blade width	Very low (6.7 ± 0.8 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (60 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	Very high (27.4 g)

*ECOBREED descriptor

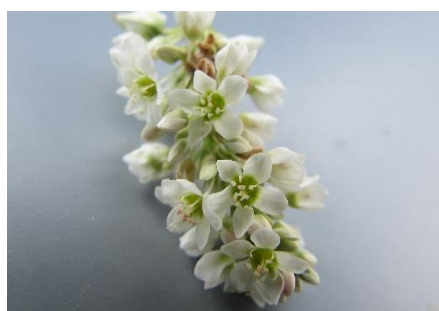
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_46

01Z5000113

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (84 ± 13 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.0 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (8.4 ± 1.6 cm)
7.1.18*	Leaf blade width	Intermediate (9.0 ± 1.1 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (53 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	Very high (30.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_47

01Z5000059

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (80 ± 13 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.9 ± 1.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.0 ± 0.5 cm)
7.1.18*	Leaf blade width	Low (7.3 ± 0.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (33 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (28.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_48

01Z5000001

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Intermediate (108 ± 32 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.0 ± 2.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.0 ± 0.7 cm)
7.1.18*	Leaf blade width	High (9.4 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (59 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_49

01Z5000007

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (115 ± 10 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 2.7 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.9 ± 0.5 cm)
7.1.18*	Leaf blade width	Intermediate (9.0 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (70 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	Very high (26.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_50

01Z5000013

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (103 ± 17 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.3 ± 3.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.0 ± 1.3 cm)
7.1.18*	Leaf blade width	Very high (10.2 ± 1.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (66 ± 3 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (24.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_51

01Z5000111

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (109 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.8 ± 3.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.3 ± 1.2 cm)
7.1.18*	Leaf blade width	High (9.6 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (44 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (7.2 mm)
7.3.8*	Seed width	Very high (5.1 mm)
7.3.9*	1000-seed weight	Very high (36.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_57

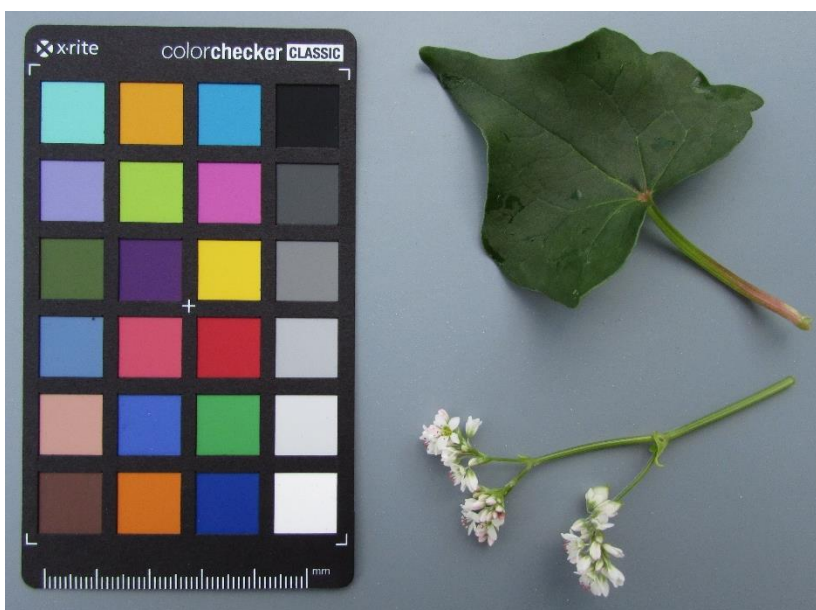
SRGB 2285

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (58 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	High (75%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Very low (5.0 ± 1.4 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Very low (5.4 ± 0.6 cm)
7.1.18*	Leaf blade width	Very low (5.5 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (56 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Low (17.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_60

SRGB 2296

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (84 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.9 ± 1.1 cm)
7.1.18*	Leaf blade width	Low (7.8 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (50 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (92 ± 12 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.1 mm)
7.3.8*	Seed width	Low (3.2 mm)
7.3.9*	1000-seed weight	Intermediate (20.5 g)

*ECOBREED descriptor

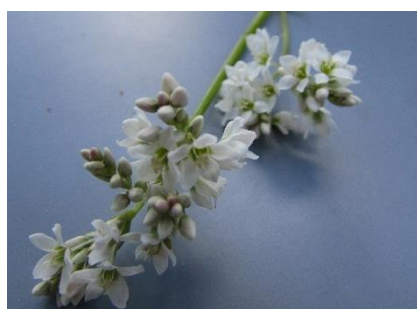
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_61

SRGB 2207

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (62 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	High (8.3 ± 2.9 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.3 ± 0.9 cm)
7.1.18*	Leaf blade width	Low (7.7 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very low (20 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (3 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.4 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (19.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_62

SRGB 2266

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (112 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.9 ± 2.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (9.8 ± 1.0 cm)
7.1.18*	Leaf blade width	Very high (10.2 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (58 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Low (17.4 g)

*ECOBREED descriptor

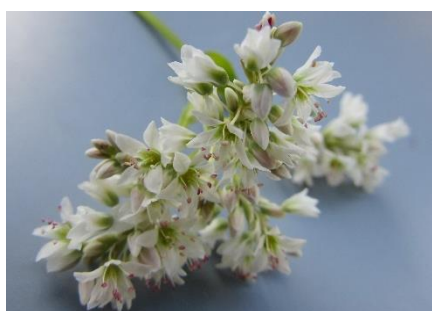
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_63

SRGB 2305

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (83 ± 14 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.3 ± 1.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.0 ± 1.6 cm)
7.1.18*	Leaf blade width	Very low (5.9 ± 1.3 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	Intermediate (19.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_64

SRGB 2222

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (86 ± 14 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (5.6 ± 2.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (6.1 ± 0.6 cm)
7.1.18*	Leaf blade width	Very low (5.9 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (51 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (21.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_65

SRGB 2273

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (97 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.6 ± 2.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.1 ± 1.2 cm)
7.1.18*	Leaf blade width	High (9.2 ± 1.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (58 ± 2 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Low (17.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_67

SRGB 2265

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (76 ± 12 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 2.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.4 ± 1.5 cm)
7.1.18*	Leaf blade width	Low (7.3 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 0)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Intermediate (18.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_69

SRGB 2270

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (97 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	High (75%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.2 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (10.2 ± 1.5 cm)
7.1.18*	Leaf blade width	High (9.5 ± 1.2 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 12 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.6 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Intermediate (18.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_71

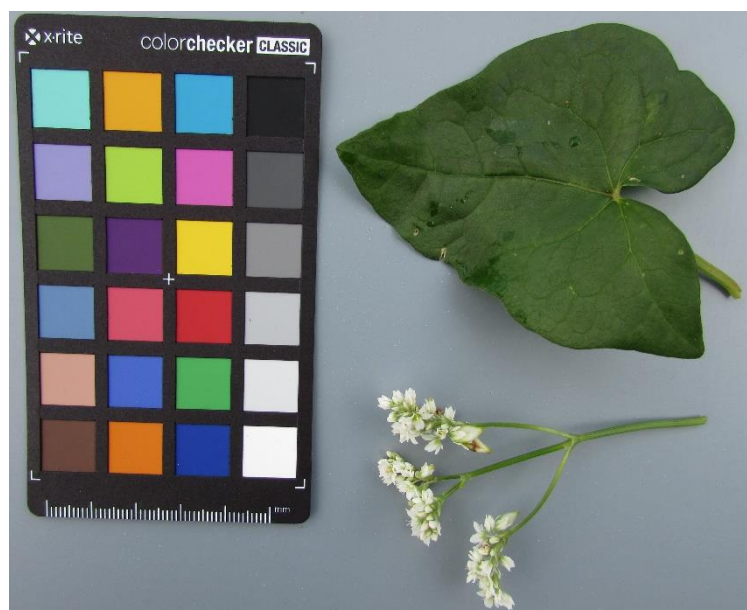
SRGB 2198

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (109 ± 10 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.4 ± 3.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Very high (10.6 ± 1.2 cm)
7.1.18*	Leaf blade width	Very high (10.7 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (67 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Low (17.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_73

SRGB 5702

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Intermediate (113 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 2.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.4 ± 1.9 cm)
7.1.18*	Leaf blade width	Very high (11.0 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.9 mm)
7.3.9*	1000-seed weight	Very high (29.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_74

SRGB 5553

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (111 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Very high (11.5 ± 3.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (11.2 ± 1.1 cm)
7.1.18*	Leaf blade width	Very high (12.6 ± 1.7 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.6 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	High (22.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_75

SRGBTBA

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (109 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 2.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.1 ± 0.4 cm)
7.1.18*	Leaf blade width	High (9.6 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (50 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (76 ± 11 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Low (4.4 mm)
7.3.8*	Seed width	Intermediate (3.4 mm)
7.3.9*	1000-seed weight	Low (17.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_76

PI 658444

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (114 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very high (10.0 ± 2.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (11.0 ± 0.9 cm)
7.1.18*	Leaf blade width	Very high (11.9 ± 0.8 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (59 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Intermediate (20.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_78

PI 647640

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	High (117 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.2 ± 2.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (9.9 ± 1.2 cm)
7.1.18*	Leaf blade width	Very high (10.8 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (65 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.4 mm)
7.3.8*	Seed width	Intermediate (3.5 mm)
7.3.9*	1000-seed weight	Intermediate (21.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_80

PI 647598

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (106 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.8 ± 2.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (10.0 ± 1.5 cm)
7.1.18*	Leaf blade width	Very high (11.2 ± 1.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (65 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	High (22.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_81

PI 263949

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (99 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Very low (1–3 leaves)
7.1.15	Petiole length	Very low (5.1 ± 1.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.8 ± 0.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 1.0 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (50 ± 3 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (23.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_82

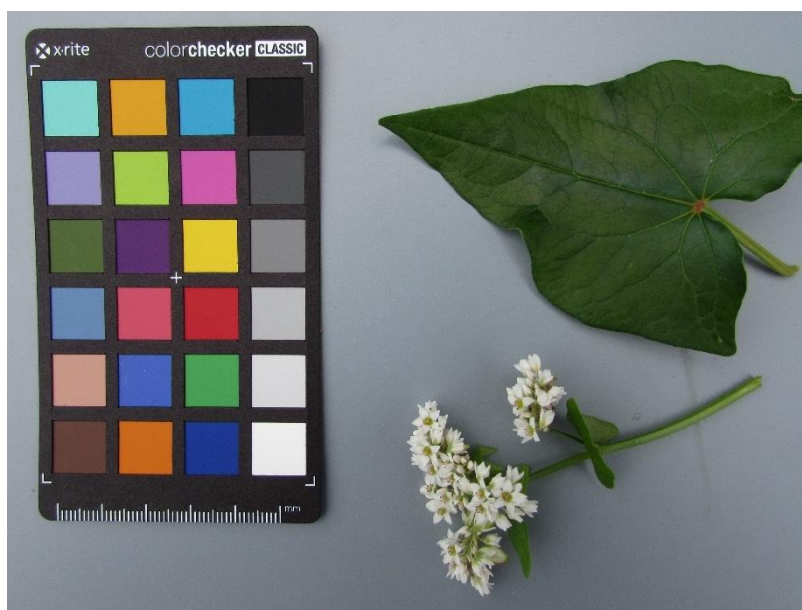
PI 647594

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (100 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.3 ± 2.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (9.8 ± 1.4 cm)
7.1.18*	Leaf blade width	High (9.2 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (56 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	High (23.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_85

PI 658436

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (116 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very high (10.8 ± 4.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (10.0 ± 1.9 cm)
7.1.18*	Leaf blade width	Very high (10.1 ± 1.9 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (24.4 g)

*ECOBREED descriptor

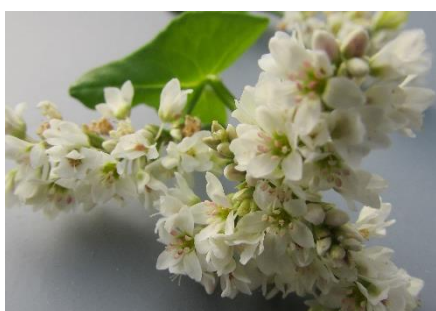
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_86

PI 647601

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (94 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very high (9.4 ± 1.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.4 ± 0.9 cm)
7.1.18*	Leaf blade width	High (9.6 ± 1.0 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (53 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.5 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	High (24.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_91

PI 647638 12GI SD

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (83 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Very low (1-3 leaves)
7.1.15	Petiole length	Very high (10.6 ± 3.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (10.8 ± 1.0 cm)
7.1.18*	Leaf blade width	Very high (11.6 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (43 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (4 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (25.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_92

PI 647603

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very high (143 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	High (75%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very high (9.3 ± 3.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (10.0 ± 2.1 cm)
7.1.18*	Leaf blade width	Very high (10.4 ± 2.7 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (67 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.2 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (18.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_93

PI 658446 99GI SD

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (106 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	High (8.0 ± 3.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.1 ± 0.6 cm)
7.1.18*	Leaf blade width	Very high (10.9 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 3)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Very high (27.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_94

PI 658440

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	High (124 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very high (10.5 ± 2.3 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	High (9.4 ± 0.6 cm)
7.1.18*	Leaf blade width	High (9.9 ± 0.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (47 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (6 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (7.2 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	High (25.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_95

PI 658441 02GI SD

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (105 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Low (3-7 leaves)
7.1.15	Petiole length	High (8.3 ± 2.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (10.7 ± 2.0 cm)
7.1.18*	Leaf blade width	High (9.4 ± 1.1 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (56 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	Very high (30.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_97

PI 647673

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (91 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Very low (1-3 leaves)
7.1.15	Petiole length	High (8.0 ± 2.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.8 ± 0.8 cm)
7.1.18*	Leaf blade width	High (9.2 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (57 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (22.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_98

PI 658447

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very high (135 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.0 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (8.6 ± 0.9 cm)
7.1.18*	Leaf blade width	Low (7.9 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (69 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (23.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_99

01Z5000011

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (111 ± 10 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.1 ± 1.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.4 ± 0.6 cm)
7.1.18*	Leaf blade width	Low (7.7 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (58 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (30.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_101

01Z5000064

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very high (132 ± 10 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.6 ± 1.1 cm)
7.1.18*	Leaf blade width	High (9.3 ± 0.8 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (58 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Grey
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.1 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (24.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_102

01Z5000115

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (88 ± 10 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 1.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.5 ± 0.8 cm)
7.1.18*	Leaf blade width	Intermediate (8.2 ± 0.6 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (53 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (27.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_103

01Z5000118

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (118 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.0 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.9 ± 0.8 cm)
7.1.18*	Leaf blade width	Low (7.2 ± 1.0 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (56 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (26.0 g)

*ECOBREED descriptor

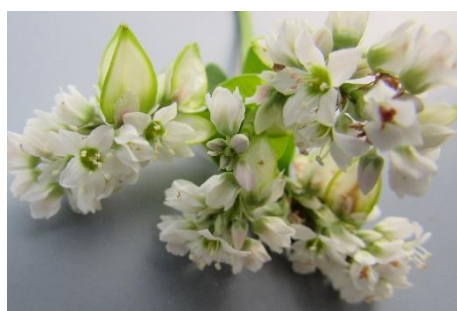
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_104

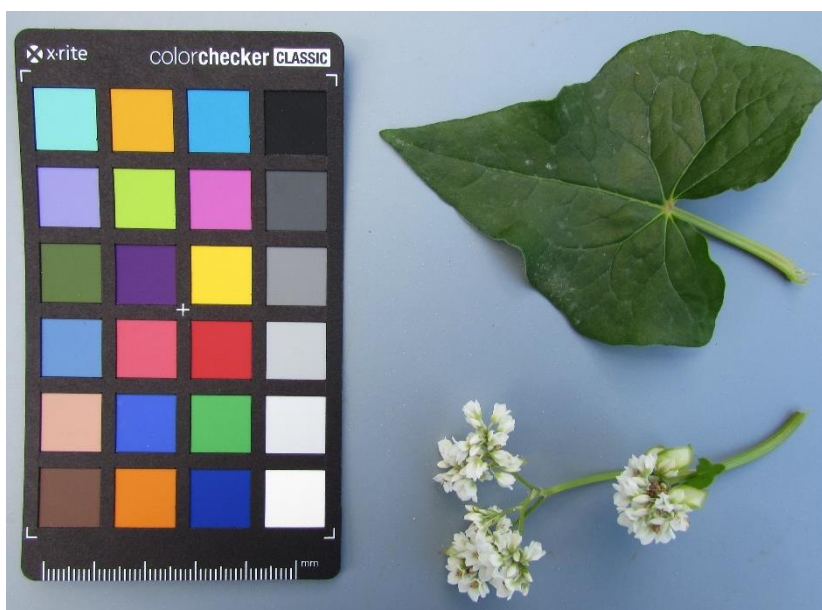
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Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (117 ± 12 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.8 ± 1.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.4 ± 1.0 cm)
7.1.18*	Leaf blade width	Low (7.9 ± 1.1 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (67 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_105

01Z5000037

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (110 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 2.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.2 ± 0.5 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (70 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	Intermediate (21.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_106

01Z5000040

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (106 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 2.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.6 ± 1.2 mm)
7.1.18*	Leaf blade width	Low (7.9 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (60 ± 3 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Intermediate (19.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_107

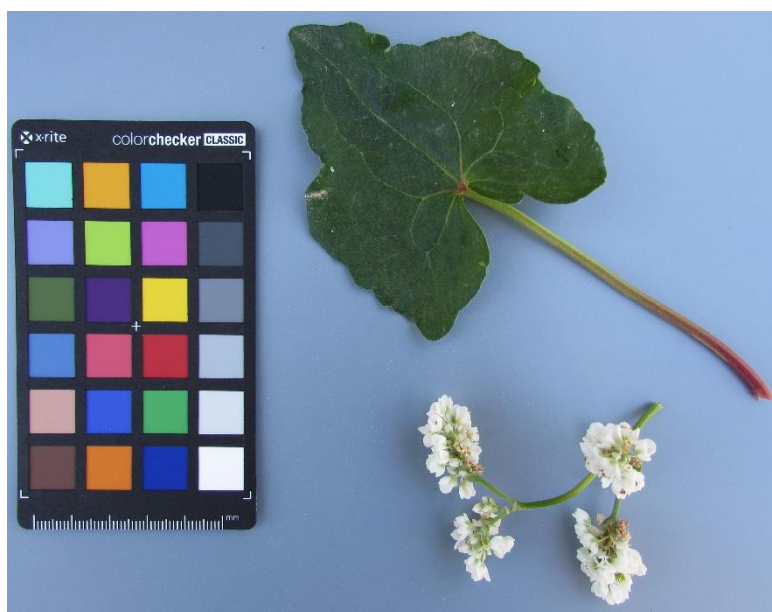
01Z5000074

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (114 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 1.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 0.6 mm)
7.1.18*	Leaf blade width	Low (7.3 ± 0.9 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.9 mm)
7.3.8*	Seed width	High (4.9 mm)
7.3.9*	1000-seed weight	Very high (34.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_108

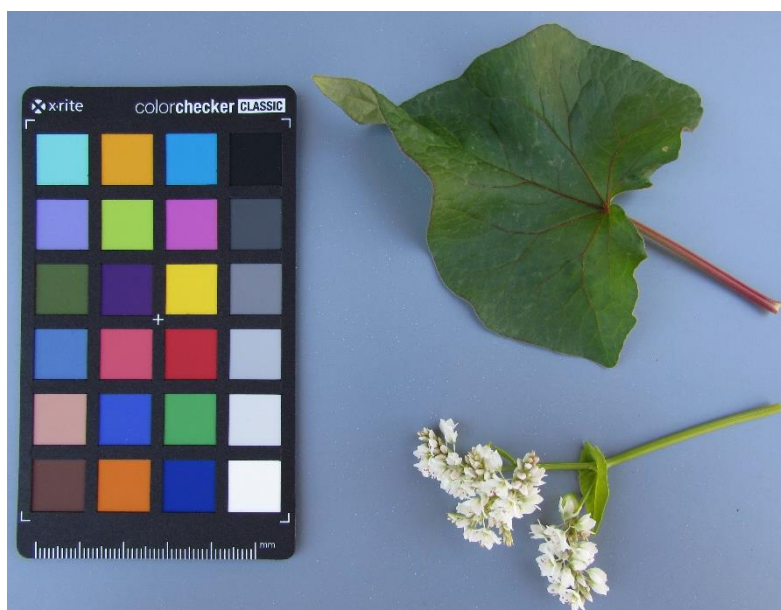
01Z5000056

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (121 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.8 ± 1.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.6 ± 1.3 mm)
7.1.18*	Leaf blade width	Intermediate (8.8 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (62 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 3)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	Very high (26.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_109

01Z5000057

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (84 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (5.9 ± 2.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.0 ± 1.1 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 1.4 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (67 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (24.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_110

01Z5000062

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (103 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	High (75%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.9 ± 1.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (6.8 ± 0.4 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (49 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (6 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.7 mm)
7.3.8*	Seed width	Very high (5.1 mm)
7.3.9*	1000-seed weight	Very high (38.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_111

01Z5000025

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (121 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.9 ± 0.7 mm)
7.1.18*	Leaf blade width	intermediate (8.1 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (69 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (21.5 g)

*ECOBREED descriptor

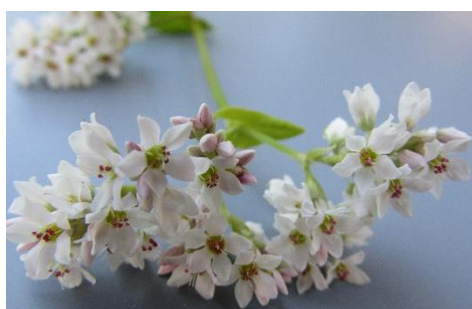
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_112

01Z5000092

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (78 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Very low (4.3 ± 1.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.4 ± 1.2 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (48 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Very low (4 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	High (25.0 g)

*ECOBREED descriptor

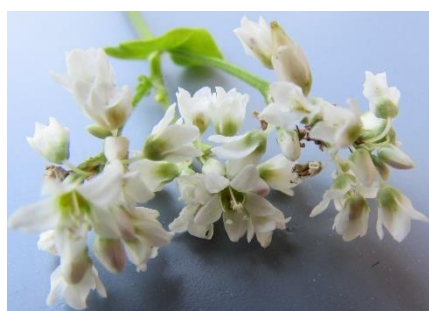
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_113

01Z5000093

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (109 ± 3 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.3 ± 0.5 mm)
7.1.18*	Leaf blade width	Low (7.7 ± 0.4 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very low (43 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (28.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_114

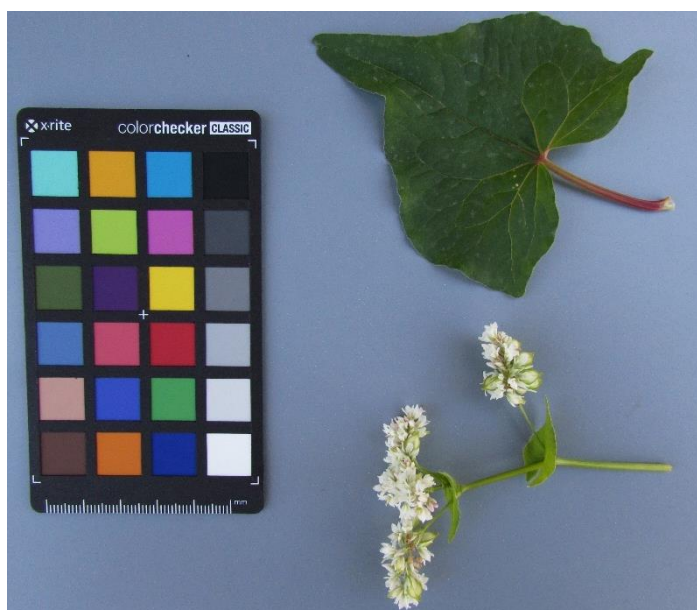
01Z5000105

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (123 ± 13 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Very low (5.0 ± 0.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.1 ± 1.1 mm)
7.1.18*	Leaf blade width	Very low (7.0 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (69 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (14 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	Very high (27.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_115

01Z5000009

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (89 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (5.8 ± 0.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (5.2 ± 0.3 mm)
7.1.18*	Leaf blade width	Very low (5.7 ± 0.7 mm)
7.1.19*	Leaf blade shape	Cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (59 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (28.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_116

01Z5000012

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (73 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 1.2 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 1.2 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (54 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (27.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_117

01Z5000016

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (116 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.1 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.9 ± 0.9 mm)
7.1.18*	Leaf blade width	Intermediate (8.9 ± 1.6 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (75 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (23.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_118

01Z5000030

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (117 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Very low (5.3 ± 1.9 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (6.7 ± 0.4 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (67 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (25.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_119

01Z5000032

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (130 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / pink / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.8 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 0.4 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (50 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (24.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_120

01Z5000117

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (121 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 2.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.6 ± 1.0 mm)
7.1.18*	Leaf blade width	Intermediate (8.8 ± 1.5 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (79 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.9 mm)
7.3.8*	Seed width	Very high (5.1 mm)
7.3.9*	1000-seed weight	Very high (34.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_125

01Z5000120

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (113 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.6 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.0 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 1.5 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Very early (45 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (54 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	High (24.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_137

01Z5000020

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (105 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.4 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.6 mm)
7.1.18*	Leaf blade width	Low (7.8 ± 1.0 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (54 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_148

01Z5000119

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (92 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.8 ± 1.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.5 ± 0.8 mm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 0.9 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (26 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (2 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Intermediate (5.5 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (21.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_149

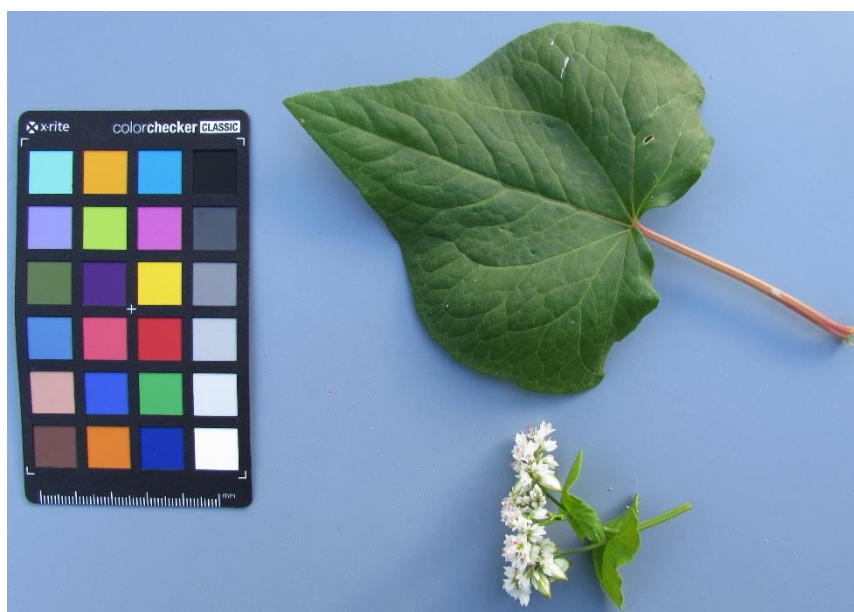
01Z5000138

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (114 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.3 ± 1.3 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (74 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Very low (4 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (29.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_150

01Z5000139

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (80 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.4 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (8.7 ± 1.3 mm)
7.1.18*	Leaf blade width	Low (7.8 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	Low (3.3 mm)
7.3.9*	1000-seed weight	Low (15.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_151

01Z5000022

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (93 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.2 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.9 ± 1.2 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (48 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (23.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_152

01Z5000029

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	High (124 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.4 ± 1.5 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.1 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.4 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (30.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_153

01Z5000038

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	High (127 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	Very low (5.0 ± 0.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.8 ± 0.9 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (75 ± 16 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (26.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_154

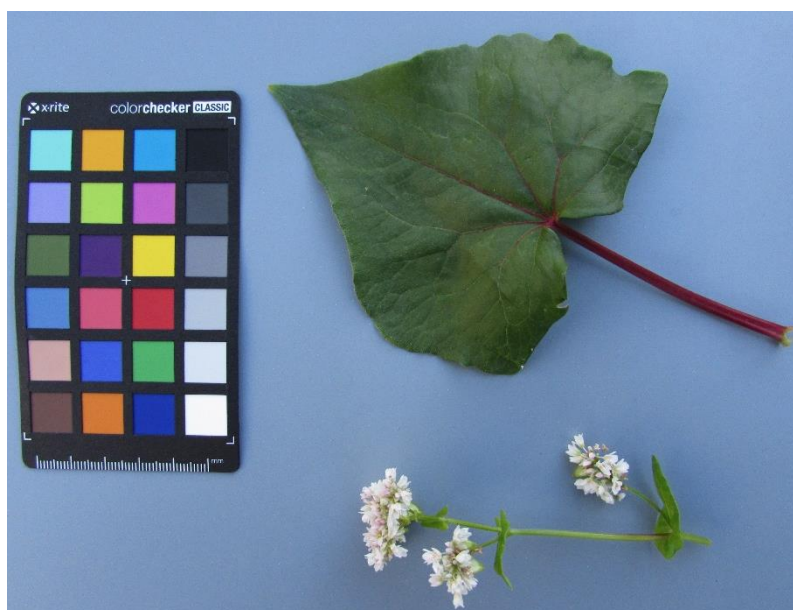
01Z5000039

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (126 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	Low (6.3 ± 1.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.4 mm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 1.3 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (67 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (27.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_155

01Z5000043

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (109 ± 14 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	Low (5.4 ± 1.1 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (8.2 ± 1.4 mm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (56 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (25.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_156

01Z5000045

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (123 ± 11 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 1.9 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.0 ± 1.0 mm)
7.1.18*	Leaf blade width	Intermediate (8.6 ± 1.4 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (63 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.5 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (31.8 g)

*ECOBREED descriptor

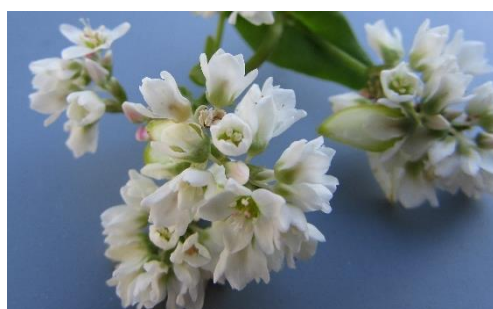
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_157

01Z5000023

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (96 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	High (75%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.2 ± 1.4 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 1.1 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	Intermediate (19.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_158

01Z5000024

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (104 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 4.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.6 ± 1.1 mm)
7.1.18*	Leaf blade width	High (9.3 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (73 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 3)
7.2.7	Number of cymes per plant	Very low (4 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (19.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_159

01Z5000094

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (103 ± 11 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.5 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.6 ± 0.5 mm)
7.1.18*	Leaf blade width	Low (7.6 ± 0.9 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (58 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	Very high (26.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_160

01Z5000041

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (106 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.3 ± 1.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.0 ± 0.6 mm)
7.1.18*	Leaf blade width	Low (7.3 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (71 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (31.1 g)

*ECOBREED descriptor

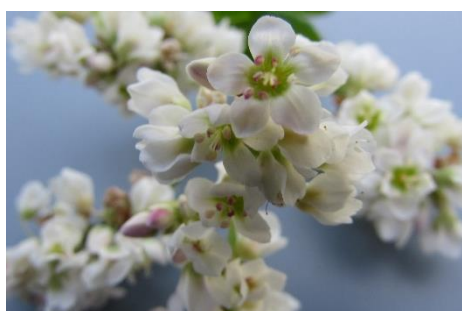
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_161

01Z5000121

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (85 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 1.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.0 ± 1.1 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 0.9 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (31 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (3 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (22.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_162

01Z5000048

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (121 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (9.6 ± 0.9 mm)
7.1.18*	Leaf blade width	Very high (10.2 ± 1.5 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (59 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.7 mm)
7.3.9*	1000-seed weight	Very high (34.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_163

01Z5000076

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (112 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 2.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.0 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 1.0 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (48 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	Greenish-yellow
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (24.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_164

01Z5000005

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (100 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.6 ± 2.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.4 ± 0.6 mm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 0.3 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (56 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (25.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_165

01Z5000124

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (100 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Very low (1–3 leaves)
7.1.15	Petiole length	High (8.4 ± 2.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (10.4 ± 1.2 mm)
7.1.18*	Leaf blade width	Intermediate (8.4 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (37 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (4 ± 1)
7.2.7	Number of cymes per plant	Very low (4 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (29.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_166

01Z5000125

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (90 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 1.5 mm)
7.1.18*	Leaf blade width	Low (7.2 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (59 ± 11 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (33.8 g)

*ECOBREED descriptor

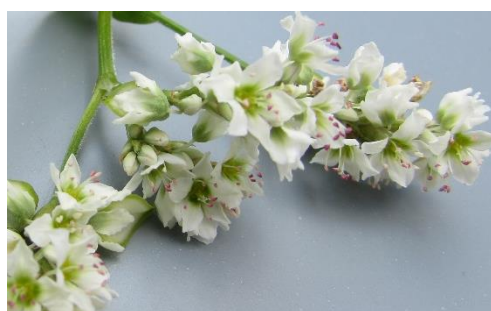
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_167

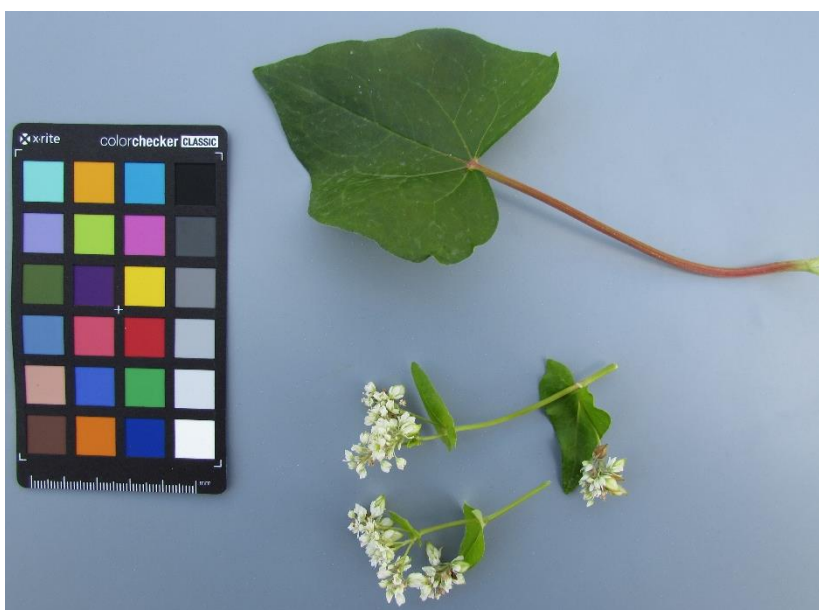
01Z5000084

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (108 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.0 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.0 ± 1.0 mm)
7.1.18*	Leaf blade width	High (9.1 ± 0.9 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	High (25.0 g)

*ECOBREED descriptor

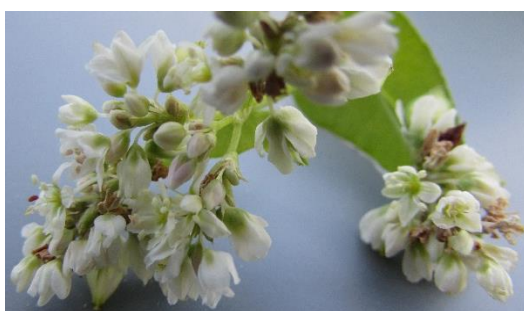
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_168

01Z5000015

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (109 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.9 ± 2.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.5 ± 0.6 mm)
7.1.18*	Leaf blade width	Intermediate (8.9 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Very early (46 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (57 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	High (24.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_169

01Z5000014

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (117 ± 10 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.7 ± 2.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (10.1 ± 1.0 mm)
7.1.18*	Leaf blade width	Very high (10.3 ± 0.9 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (62 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	High (27.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_170

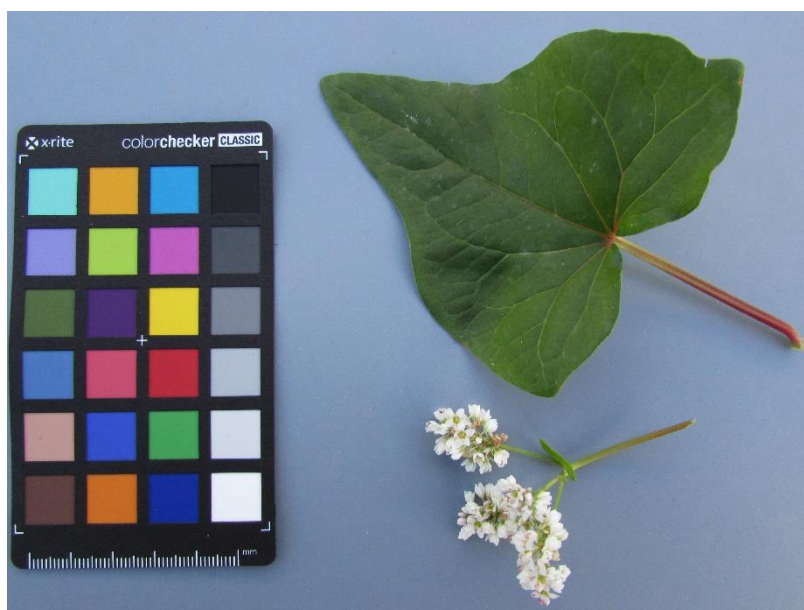
01Z5000008

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (104 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.4 ± 2.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 0.7 mm)
7.1.18*	Leaf blade width	High (9.1 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Very early (46 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (52 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	Intermediate (21.7 g)

*ECOBREED descriptor

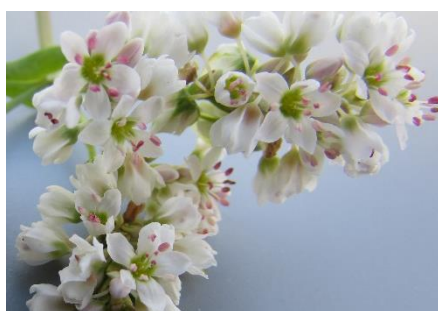
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_172

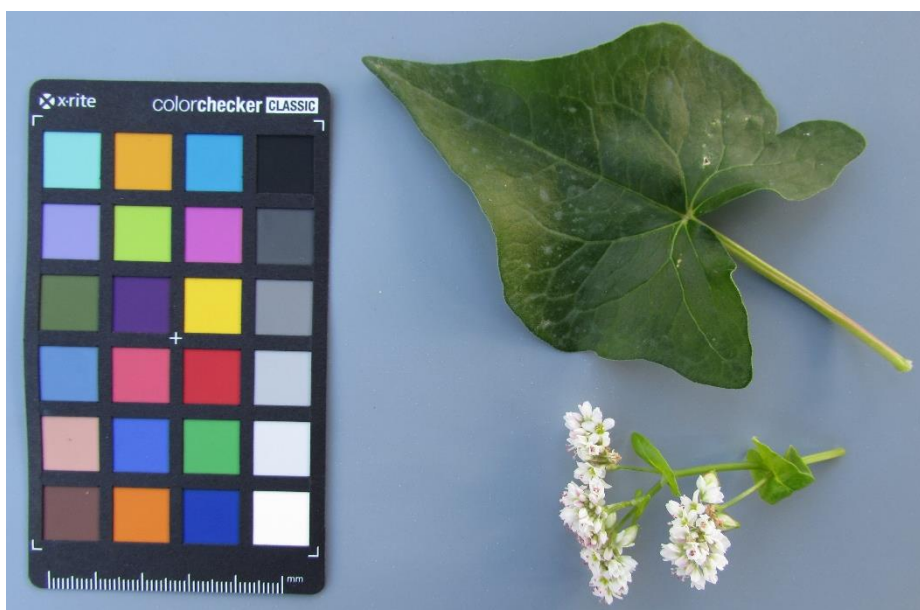
01Z5000021

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (110 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 2.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.6 ± 1.2 mm)
7.1.18*	Leaf blade width	High (9.6 ± 1.4 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (49 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_173

01Z5000068

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (105 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 2.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.4 ± 0.8 mm)
7.1.18*	Leaf blade width	Very high (10.1 ± 1.1 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (50 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.7 mm)
7.3.8*	Seed width	Very high (5.1 mm)
7.3.9*	1000-seed weight	Very high (37.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_174

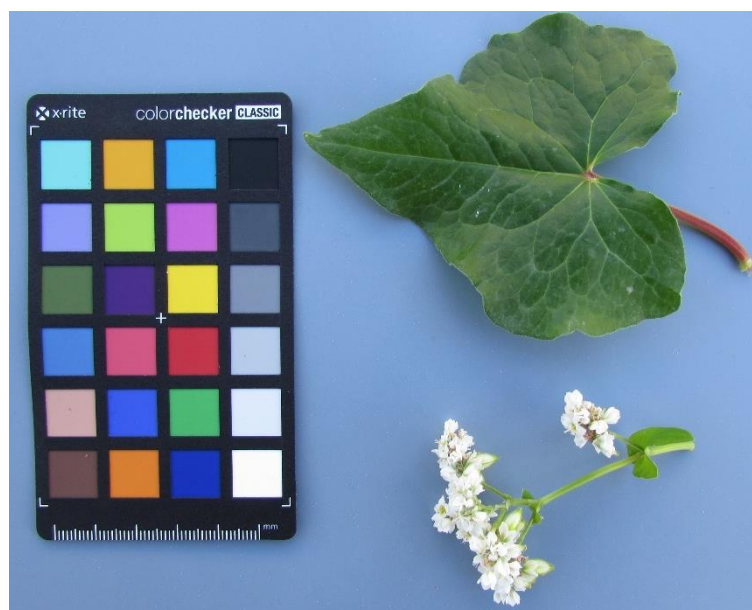
01Z5000100

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Intermediate (115 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Low (25%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.9 ± 2.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	High (8.8 ± 1.0 mm)
7.1.18*	Leaf blade width	High (9.3 ± 0.7 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (60 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (28.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_175

01Z5000122

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (87 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.0 ± 2.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.1 ± 0.8 mm)
7.1.18*	Leaf blade width	Low (7.3 ± 0.3 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very low (42 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	High (25.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_176

01Z5000144

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (113 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.6 ± 1.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.2 mm)
7.1.18*	Leaf blade width	Intermediate (8.6 ± 1.1 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (75 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	Very high (27.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_177

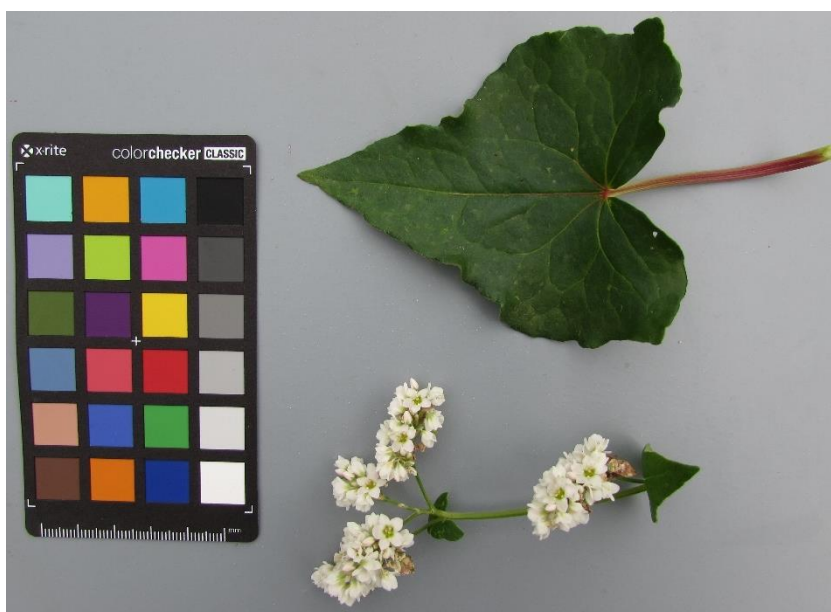
01Z5000042

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (110 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (8.3 ± 1.0 mm)
7.1.18*	Leaf blade width	Intermediate (8.2 ± 0.7 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (56 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.7 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (27.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_178

UC0101155

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (110 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.1 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.1 ± 0.8 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 0.4 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (67 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	5 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (25.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_179

UC0101182

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (122 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.5 ± 1.0 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 1.0 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (23.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_180

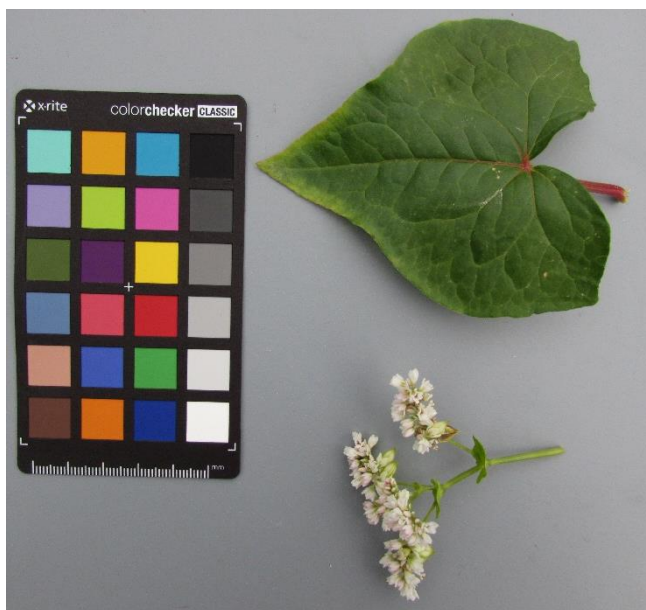
UC0101319

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (116 ± 6 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Very low (4.7 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.4 mm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (64 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.8 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (29.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_181

UC0101496

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (107 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.9 ± 1.0 mm)
7.1.18*	Leaf blade width	Low (7.2 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (66 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Very low (13.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_182

UC0101642

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (114 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.1 ± 1.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.4 ± 0.8 mm)
7.1.18*	Leaf blade width	Low (7.7 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (57 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

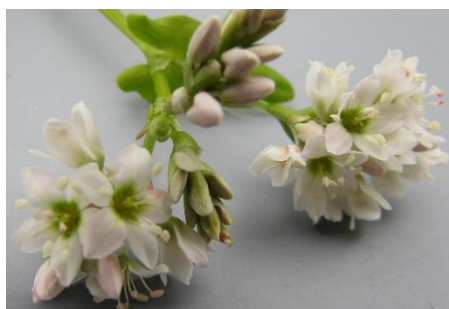
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_183

UC0101679

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (121 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.8 ± 1.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (8.8 ± 1.0 mm)
7.1.18*	Leaf blade width	Intermediate (8.8 ± 1.1 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (64 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (17 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Intermediate (21.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_187

UC0101906

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (91 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Very low (5.2 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 0.7 mm)
7.1.18*	Leaf blade width	Very low (6.7 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (46 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.5 mm)
7.3.9*	1000-seed weight	Intermediate (18.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_188

UC0101927

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very high (132 ± 18 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 1.5 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.3 ± 0.6 mm)
7.1.18*	Leaf blade width	Low (7.1 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (85 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 3)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (22.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_189

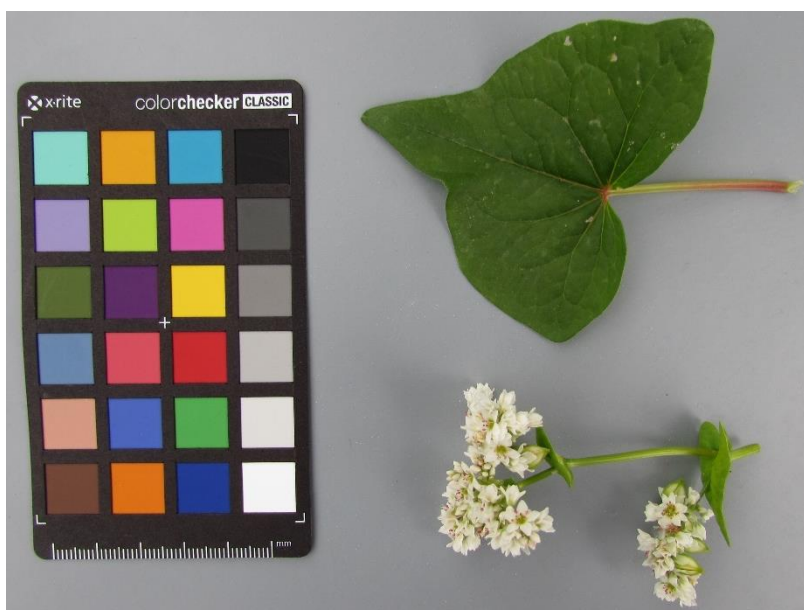
UC0101942

Description

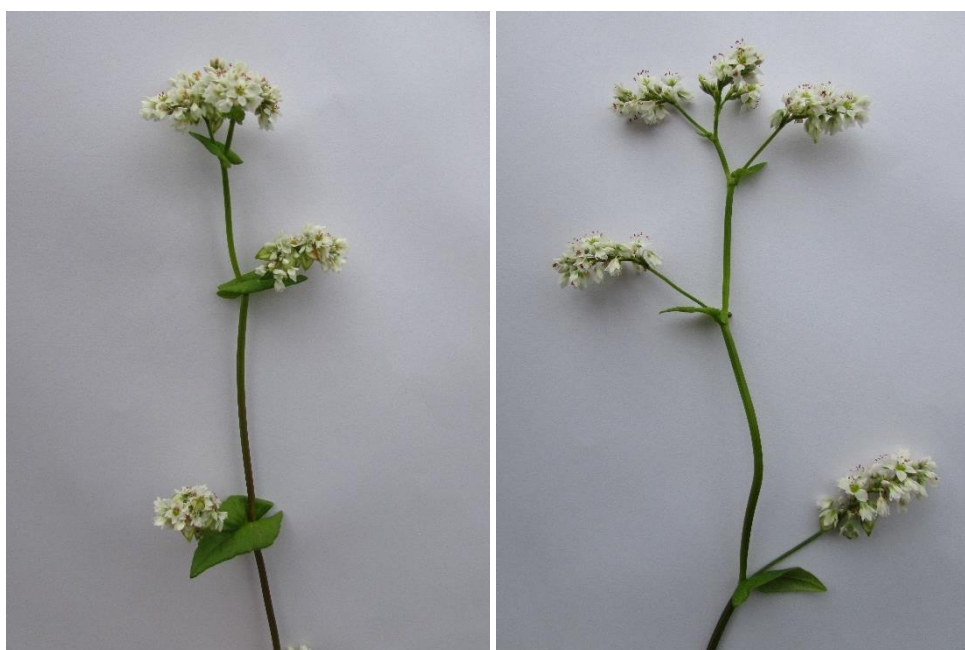
IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (108 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.4 ± 0.6 mm)
7.1.18*	Leaf blade width	Intermediate (9.0 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (45 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	Very high (26.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_190

UC0101948

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (97 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4–5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 0.5 mm)
7.1.18*	Leaf blade width	Very low (6.8 ± 1.1 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (48 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Very high (26.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_191

UC0101972

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (112 ± 14 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Very low (6.2 ± 1.5 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 1.2 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (58 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (33.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_192

UC0101979

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (130 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (5.5 ± 1.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.3 ± 0.6 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 0.6 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (61 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	Very high (27.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_193

UC0101987

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (108 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.8 ± 2.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.8 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 1.2 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very low (40 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (4 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / black
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.6 mm)
7.3.8*	Seed width	Very high (5.2 mm)
7.3.9*	1000-seed weight	Very high (28.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_194

UC0100115

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (113 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 1.7 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (64 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (19.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_195

UC0100100

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (103 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.4 ± 0.9 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 0.9 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (54 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	High (24.1 g)

*ECOBREED descriptor

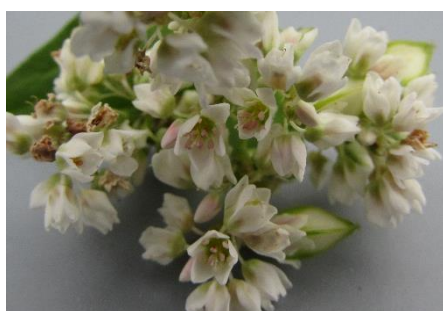
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_196

UC0100149

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (111 ± 17 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.4 ± 1.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (8.1 ± 0.7 mm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (55 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Intermediate (18.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_197

UC0100170

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (93 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4–5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	High (8.4 ± 2.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.3 ± 0.9 mm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 0.9 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (68 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (37.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_199

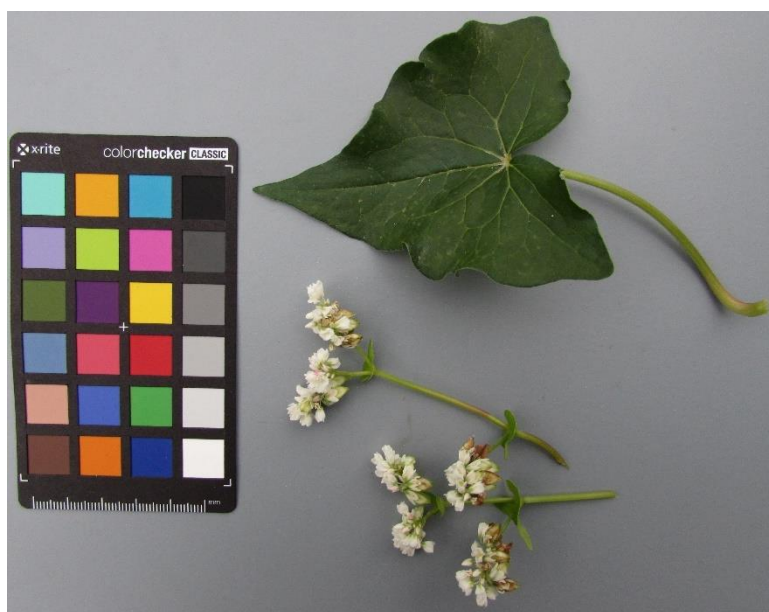
UC0100210

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Intermediate (115 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.1 ± 2.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.3 ± 1.7 mm)
7.1.18*	Leaf blade width	Intermediate (8.6 ± 1.0 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Intermediate (22.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_200

UC0100212

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (117 ± 13 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.5 ± 0.7 mm)
7.1.18*	Leaf blade width	Low (7.6 ± 0.4 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (67 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	Intermediate (21.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_201

UC0100276

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (118 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Very low (1–3 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 2.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	High (9.1 ± 0.9 mm)
7.1.18*	Leaf blade width	Very high (10.4 ± 0.9 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (63 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (20.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_202

UC0100277

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (119 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.0 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (8.4 ± 0.5 mm)
7.1.18*	Leaf blade width	High (9.1 ± 0.9 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (58 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	High (25.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_203

UC0100278

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (112 ± 14 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	High (8.6 ± 0.6 mm)
7.1.18*	Leaf blade width	Very high (10.0 ± 1.0 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (24.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_204

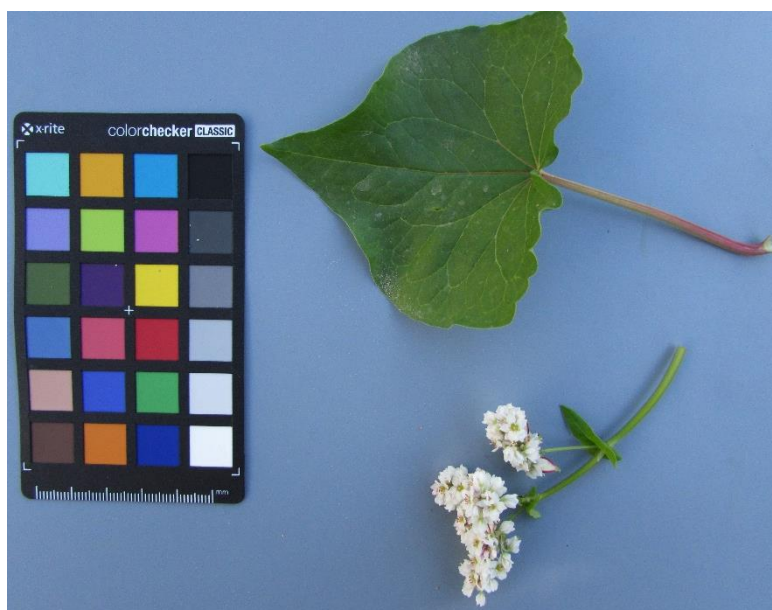
UC0100279

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (125 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.2 ± 1.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.5 ± 0.9 mm)
7.1.18*	Leaf blade width	Intermediate (8.6 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 4)
7.2.7	Number of cymes per plant	Low (6 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (24.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_205

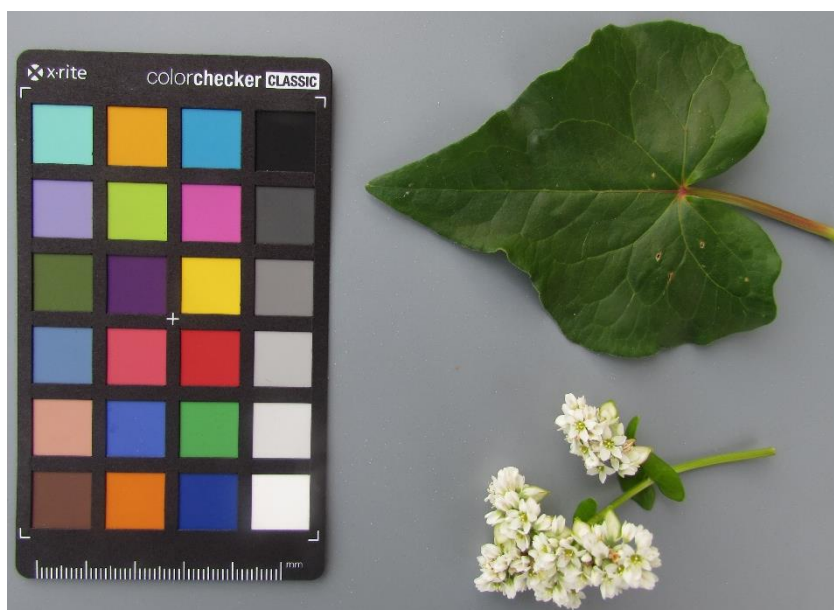
UC0100281

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (114 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.8 ± 2.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.7 ± 0.4 mm)
7.1.18*	Leaf blade width	Low (7.2 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (48 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens as long as style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (24.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_206

UC0100282

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (128 ± 9 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Low (25%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.8 ± 0.3 mm)
7.1.18*	Leaf blade width	Intermediate (8.2 ± 0.5 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (69 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.5 mm)
7.3.9*	1000-seed weight	Intermediate (20.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_207

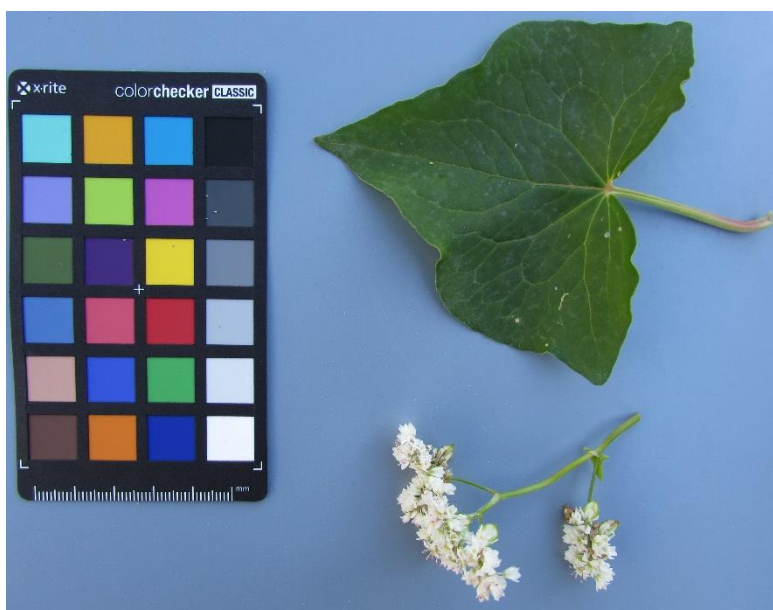
UC0100283

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (109 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (8.8 ± 1.0 mm)
7.1.18*	Leaf blade width	High (9.6 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (54 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	High (23.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_208

UC0100285

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (119 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Intermediate (7.3 ± 1.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.4 ± 1.6 mm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 1.9 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (60 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (22.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_209

UC0100280

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Very high (131 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.3 ± 2.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.6 ± 1.0 mm)
7.1.18*	Leaf blade width	High (9.3 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (61 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.6 mm)
7.3.8*	Seed width	Intermediate (3.6 mm)
7.3.9*	1000-seed weight	High (22.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_211

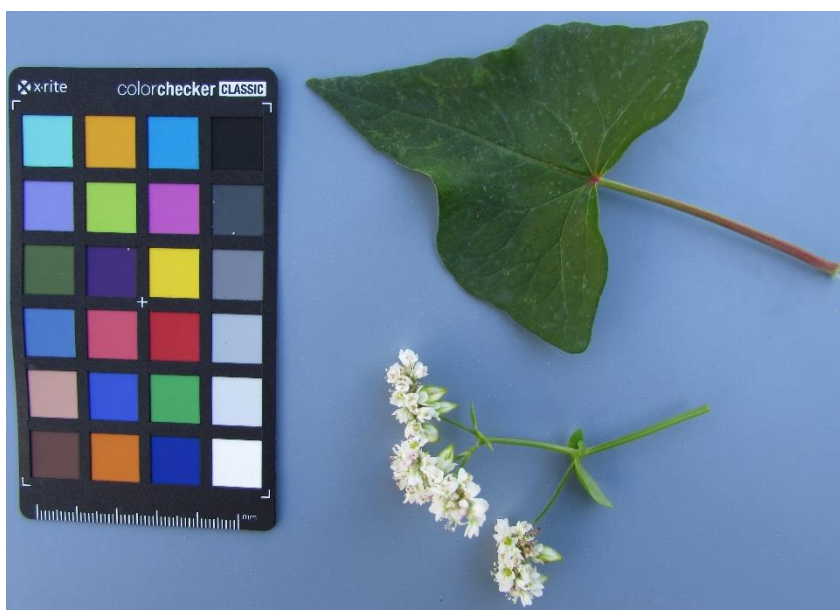
UC0100361

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (120 ± 8 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.0 ± 1.5 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.1 mm)
7.1.18*	Leaf blade width	Intermediate (8.4 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (65 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (3.8 mm)
7.3.9*	1000-seed weight	Intermediate (20.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_212

UC0100723

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (106 ± 14 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Very low (1–3 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.5 ± 1.1 mm)
7.1.18*	Leaf blade width	High (9.6 ± 1.1 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (59 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.4 mm)
7.3.9*	1000-seed weight	Very high (30.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_213

UC0100362

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (125 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.9 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (8.7 ± 0.5 mm)
7.1.18*	Leaf blade width	High (9.5 ± 1.0 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (62 ± 2 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (18.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_214

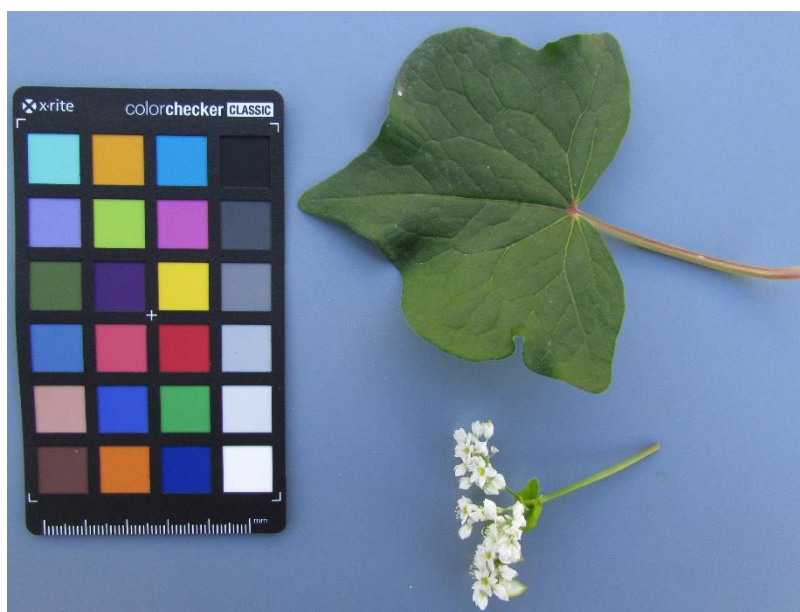
UC0100912

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (117 ± 9 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.2 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 0.5 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (53 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (8 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.4 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (28.0 g)

*ECOBREED descriptor

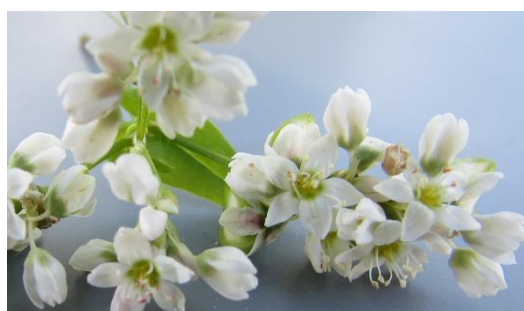
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_215

UC0100365

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (125 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (5.9 ± 2.1 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.4 ± 0.7 mm)
7.1.18*	Leaf blade width	Low (7.6 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (62 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	High (22.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_216

UC0100946

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (127 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	High (8.9 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (9.7 ± 0.6 mm)
7.1.18*	Leaf blade width	High (9.8 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (75 ± 13 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (23.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_217

UC0100948

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (118 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.4 ± 1.1 mm)
7.1.18*	Leaf blade width	Intermediate (8.6 ± 0.9 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (58 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (20.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_218

UC0100949

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very high (136 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.5 ± 0.8 mm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (65 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	Intermediate (21.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_219

UC0101095

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (117 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.2 ± 1.8 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very high (9.9 ± 0.7 mm)
7.1.18*	Leaf blade width	High (9.6 ± 0.8 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (61 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	High (24.8 g)

*ECOBREED descriptor

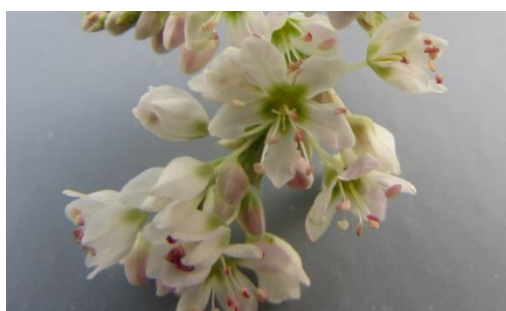
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_221

UC0101129

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Intermediate (103 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.4 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.2 ± 1.2 mm)
7.1.18*	Leaf blade width	Low (7.8 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (49 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	Very high (26.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_222

UC0100991

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (82 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.4 ± 1.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (6.5 ± 1.2 mm)
7.1.18*	Leaf blade width	Very low (6.8 ± 1.4 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (61 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	Very high (27.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_223

UC0100988

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (118 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.9 ± 1.6 mm)
7.1.18*	Leaf blade width	Intermediate (8.3 ± 1.7 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (57 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	Very high (26.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_224

UC0101092

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (92 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 1.4 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.3 ± 0.7 mm)
7.1.18*	Leaf blade width	Low (7.2 ± 0.6 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (63 ± 3 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	Very high (27.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_225

UC0101109

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (114 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.4 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.5 mm)
7.1.18*	Leaf blade width	Intermediate (8.5 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (53 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 3)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.8 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (22.0 g)

*ECOBREED descriptor

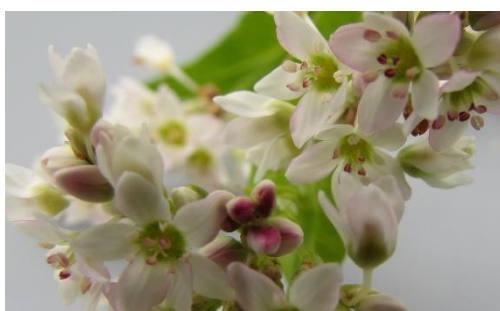
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_226

UC0101992

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (106 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.2 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 0.8 mm)
7.1.18*	Leaf blade width	Low (7.9 ± 0.4 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (50 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (5 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (30.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_227

UC0102165

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (90 ± 3 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.3 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.8 ± 1.2 mm)
7.1.18*	Leaf blade width	Low (7.2 ± 1.2 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (46 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (4 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White / greenish-yellow
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_228

UC0102185

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (116 ± 11 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (7.9 ± 2.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.4 ± 1.1 mm)
7.1.18*	Leaf blade width	Low (7.1 ± 0.8 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Very early (45 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (65 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Early (60-75 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	Intermediate (4.1 mm)
7.3.9*	1000-seed weight	High (23.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_229

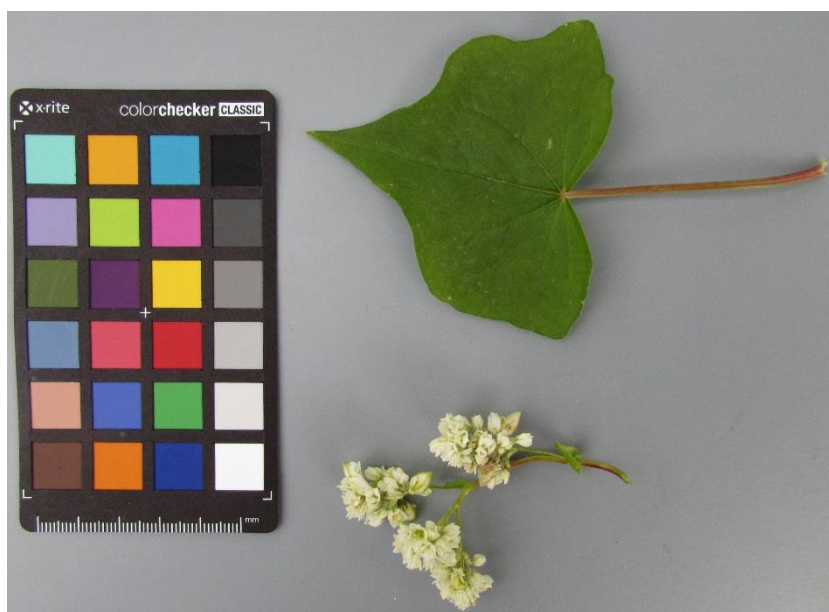
UC0100348

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (115 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (5.9 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (6.6 ± 0.6 mm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.3 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	High (69 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White / greenish-yellow
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	Very high (27.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_230

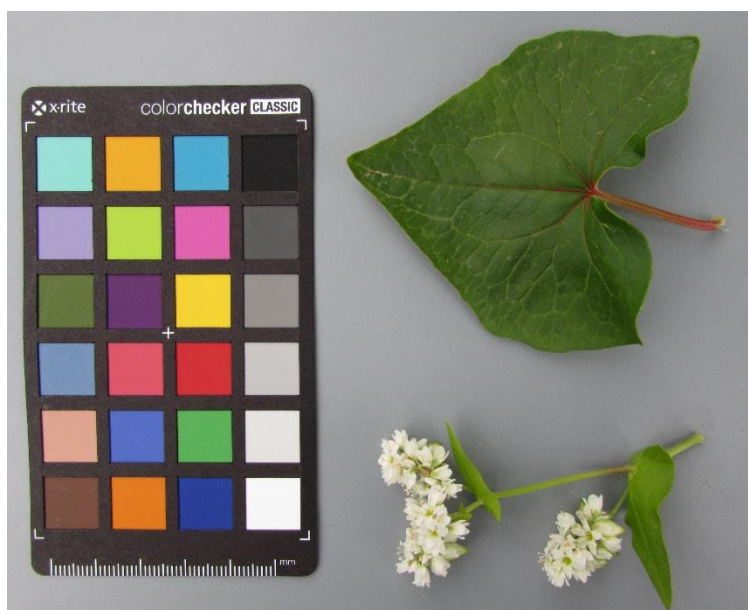
UC0102208

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (95 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Very low (1-3 leaves)
7.1.15	Petiole length	Very low (4.9 ± 1.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.1 ± 1.3 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 0.7 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (52 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.2 mm)
7.3.9*	1000-seed weight	High (24.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_231

UC0100177

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	High (126 ± 9 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (5.7 ± 1.6 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.3 ± 1.1 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 1.5 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (63 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 0)
7.2.8*	Flower colour	White / pink
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (7.1 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (32.5 g)

*ECOBREED descriptor

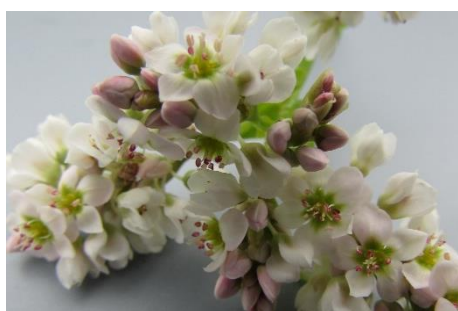
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_232

UC0102193

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (88 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Intermediate (7.0 ± 1.9 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.2 ± 0.3 mm)
7.1.18*	Leaf blade width	Low (8.0 ± 0.5 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (19 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (2 ± 0)
7.2.7	Number of cymes per plant	Intermediate (7 ± 0)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	Very high (6.7 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	Very high (30.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_233

UC0102207

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (105 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (6.3 ± 2.0 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.2 ± 1.0 mm)
7.1.18*	Leaf blade width	Low (7.4 ± 0.8 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (57 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (33.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_235

UC0102114

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (107 ± 8 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 3.0 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Very low (6.3 ± 1.4 mm)
7.1.18*	Leaf blade width	Very low (6.4 ± 1.1 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (58 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (35.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_236

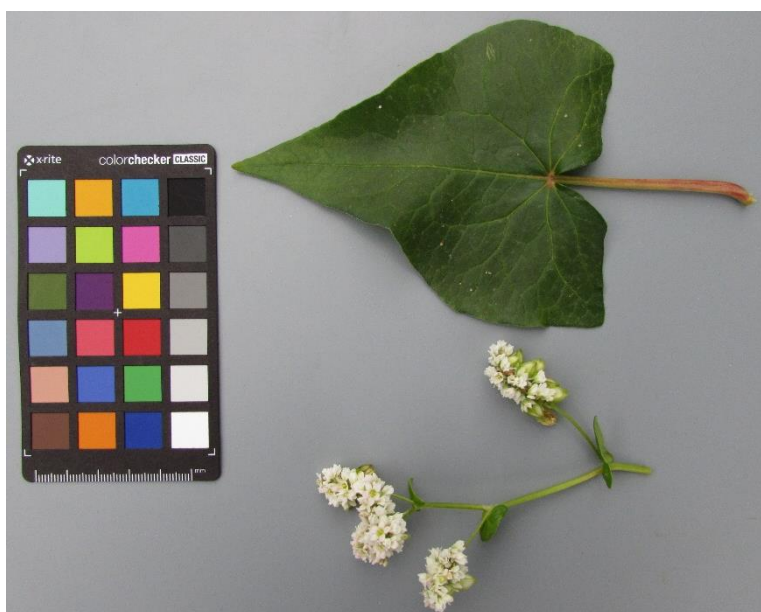
UC0101698

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (97 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (5.5 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 1.0 mm)
7.1.18*	Leaf blade width	Low (7.2 ± 0.8 mm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (51 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.3 mm)
7.3.8*	Seed width	High (4.8 mm)
7.3.9*	1000-seed weight	High (24.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_237

UC0102201

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (110 ± 7 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 1.2 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.0 ± 0.2 mm)
7.1.18*	Leaf blade width	Low (7.8 ± 0.7 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (60 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.0 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	High (25.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_238

UC0102203

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (104 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (5.8 ± 1.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.8 ± 0.8 mm)
7.1.18*	Leaf blade width	Very low (6.8 ± 0.5 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (44 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	Very high (27.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_239

UC0102205

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Intermediate (104 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4-7 leaves)
7.1.15	Petiole length	Low (5.5 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.7 mm)
7.1.18*	Leaf blade width	Low (7.7 ± 1.3 mm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose / cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76-90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (4.0 mm)
7.3.9*	1000-seed weight	Very high (27.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_240

64

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (117 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.4 ± 0.5 mm)
7.1.18*	Leaf blade width	Low (7.8 ± 1.1 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91-105 days)
7.3.2*	Seed colour	Grey / brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	Intermediate (3.9 mm)
7.3.9*	1000-seed weight	High (22.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_241

63-WC

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (76 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.1 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.8 ± 1.0 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 0.4 mm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Intermediate (55 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (64 ± 11 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens shorter than style
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	High (4.5 mm)
7.3.9*	1000-seed weight	High (23.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_243

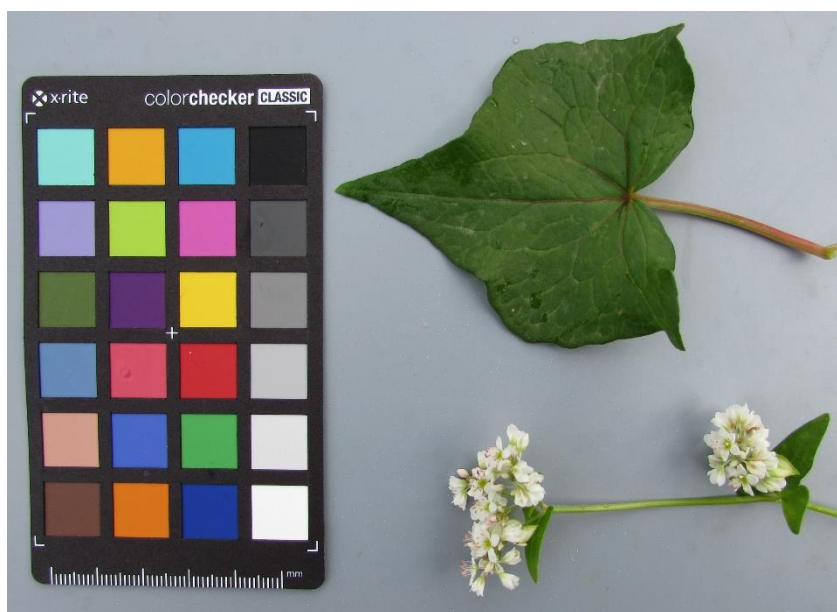
66

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (101 ± 5 cm)
7.1.6*	Plant branching	Weak (1–3 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Very low (1–3 leaves)
7.1.15	Petiole length	Low (6.1 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.1 mm)
7.1.18*	Leaf blade width	Low (7.5 ± 1.0 mm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme semi-compact / cyme compact
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Low (52 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	White
7.2.9 (only for common)	Flower morphology	Stamens longer than style
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown / mottled
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (6.1 mm)
7.3.8*	Seed width	High (4.3 mm)
7.3.9*	1000-seed weight	High (23.9 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

6 CHARACTERISTICS OF TARTARY BUCKWHEAT GENETIC RESOURCES

List of 52 genetic resources of *Fagopyrum tataricum* L. Gaertn.

ECOBREED No.	Accession No.	Accession Name	Acquisition Date	Origin
11	commercial variety	Doris	n.a.	Slovenia
52	SRGB 2258	Dolina Krme na Gorenjskem	n.a.	Slovenia
53	SRGB 2316		n.a.	Slovenia
54	SRGB 2223	Slovenj Gradec	n.a.	Slovenia
55	SRGB 2224	Osrednje Goričko	n.a.	Slovenia
56	SRGB 2409	Straža	n.a.	Slovenia
58	SRGB 2257	Radohova vas	n.a.	Slovenia
59	SRGB 2321	Novo Mesto	n.a.	Slovenia
66	SRGB 2337	SRGB2337	n.a.	Slovenia
68	SRGB 2304	SRGB2304	n.a.	Slovenia
72	SRGB 2356	SRGB2356	n.a.	Slovenia
77	PI 658438	Martin's Tarbary	n.a.	United States
79	PI 647612	Clfa 38	n.a.	United States
83	PI 503879 90GI SD	Solider Pond	n.a.	United States
84	PI 199769	PA 160	n.a.	United States
87	PI 658431	G 32050	n.a.	United States
88	PI 658430 00GI SD	G 32049	n.a.	United States
89	PI 476852	Madawaska	n.a.	United States
90	PI 658429	G 32048	n.a.	United States
96	PI 451723	Trigo Saraceno O'Alforfon	1980	Mexico, Baja Norte
121	01Z5100007	PI 481659	n.a.	Bhutan
122	01Z5100008	PI 481670	n.a.	Bhutan
123	01Z5100013	PI 451723	n.a.	Mexico
124	01Z5100014	PI 476852	n.a.	United States
126	01Z5100002	PI 481645	n.a.	Bhutan
127	01Z5100003	PI 481646	n.a.	Bhutan
128	01Z5100004	PI 481652	n.a.	Bhutan
129	01Z5100006	PI 481658	n.a.	Bhutan
130	01Z5100009	PI 481671	n.a.	Bhutan
131	01Z5100010	Lifago	n.a.	Germany
132	01Z5100017	Weswod Ican	n.a.	unknown
133	01Z5100019	RCAT 068749	n.a.	unknown
134	01Z5100011	903016	n.a.	Pakistan
135	01Z5100037	PI 481661	n.a.	Bhutan
136	01Z5100050	Sarasin a Ployes	n.a.	United States
138	01Z5100025	290	n.a.	Bhutan
139	01Z5100001	PI 481644	n.a.	Bhutan
140	01Z5100005	PI 481656	n.a.	Bhutan
141	01Z5100012		n.a.	Czech Republic
142	01Z5100028	PA 160	n.a.	unknown
143	01Z5100041	Jianzui	n.a.	China

144	01Z5100042	Liuqiao-3	n.a.	China
145	01Z5100044	Zhaoqiao-1	n.a.	China
146	01Z5100046	Jinqiao-2	n.a.	China
147	01Z5100030	PI 427239	n.a.	Nepal
184	UC0101690	Lira	n.a.	Ukraine
185	UC0101691	Peremoga	n.a.	Ukraine
186	UC0101692	Kalyna	n.a.	Ukraine
198	UC0100180		n.a.	China
210	UC0100291		n.a.	India
220	UC0101037		n.a.	Hungary
234	UC0100179		n.a.	Ukraine

ECOBREED_11

Doris

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (100 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4–5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12.1 (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (9.2 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.8 ± 0.2 cm)
7.1.18*	Leaf blade width	High (9.4 ± 0.3 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Very high (90 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (14.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_52

SRGB 2258

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (70 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.1 ± 2.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.7 ± 0.6 cm)
7.1.18*	Leaf blade width	Very low (5.6 ± 0.4 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green / red
7.2.5	Length of cyme	Low (54 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	Very high (11 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.9 mm)
7.3.8*	Seed width	Low (3.2 mm)
7.3.9*	1000-seed weight	Low (16.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_53

SRGB 2316

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (70 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.2 ± 0.7 cm)
7.1.18*	Leaf blade width	Very low (7.0 ± 0.5 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Low (50 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.8 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (16.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_54

SRGB 2223

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (64 ± 9 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (6.3 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (6.3 ± 0.6 cm)
7.1.18*	Leaf blade width	Intermediate (9.0 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (65 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (20 ± 2)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Low (16.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_55

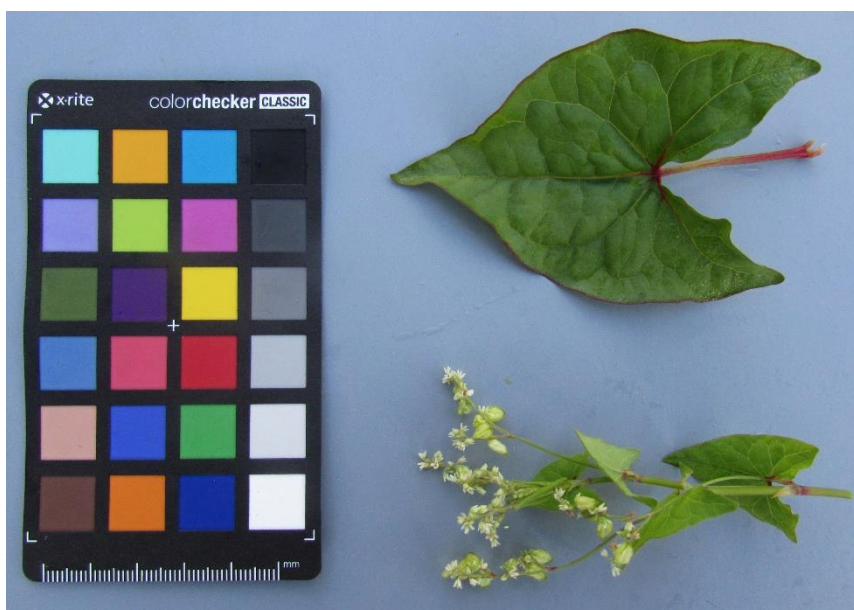
SRGB 2224

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (80 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (6.8 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (6.0 ± 0.4 cm)
7.1.18*	Leaf blade width	Low (7.6 ± 0.3 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (55 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 2)
7.2.7	Number of cymes per plant	Very high (11 ± 2)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Low (15.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_56

SRGB 2409

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Low (94 ± 13 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Low (6.5 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 0.9 cm)
7.1.18*	Leaf blade width	Very low (5.2 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (57 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (4.5 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (14.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_58

SRGB 2257

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (71 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.1 cm)
7.1.18*	Leaf blade width	Very low (6.0 ± 0.8 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (52 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 2)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Low (14.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_59

SRGB 2321

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (80 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.3 ± 1.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.6 ± 0.7 cm)
7.1.18*	Leaf blade width	Intermediate (8.8 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (53 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (10 ± 1)
7.2.7	Number of cymes per plant	Very high (11 ± 2)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Intermediate (3.4 mm)
7.3.9*	1000-seed weight	Low (17.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_66

SRGB 2337

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (74 ± 11 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (5.3 ± 0.8 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Very low (6.0 ± 0.8 cm)
7.1.18*	Leaf blade width	Low (8.0 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (51 ± 2 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 2)
7.2.7	Number of cymes per plant	Very high (13 ± 2)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (15.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_68

SRGB 2304

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (75 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very high (100%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (8.0 ± 0.4 cm)
7.1.18*	Leaf blade width	Very low (5.8 ± 0.3 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (48 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (7 ± 1)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.3 mm)
7.3.9*	1000-seed weight	Low (15.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Medium
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_72

SRGB 2356

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	High (119 ± 9 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.8 ± 1.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.1 ± 0.5 cm)
7.1.18*	Leaf blade width	Very low (6.4 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Intermediate (61 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (3.3 mm)
7.3.9*	1000-seed weight	Low (17.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_77

PI 658438

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (99 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (9.1 ± 1.6 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.1 ± 0.4 cm)
7.1.18*	Leaf blade width	High (9.6 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Low (52 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.1 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Intermediate (21.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_79

PI 647612

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (84 ± 9 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.5 ± 1.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.6 ± 0.8 cm)
7.1.18*	Leaf blade width	Intermediate (8.9 ± 1.1 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (56 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 1)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown / black
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.9 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Intermediate (18.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_83

PI 503879 90GI SD

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (109 ± 8 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink / red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.3 ± 2.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.3 ± 0.9 cm)
7.1.18*	Leaf blade width	Very low (6.9 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (74 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.8 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (17.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_84

PI 199769

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (82 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink / red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.7 ± 2.2 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (8.0 ± 1.2 cm)
7.1.18*	Leaf blade width	High (9.8 ± 1.2 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Pink / red
7.2.5	Length of cyme	High (69 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Grey / brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	High (6.2 mm)
7.3.8*	Seed width	Intermediate (3.4 mm)
7.3.9*	1000-seed weight	High (24.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_87

PI 658431

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (118 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.7 ± 1.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.0 ± 0.6 cm)
7.1.18*	Leaf blade width	High (9.5 ± 0.8 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (67 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.0 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Intermediate (19.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_88

PI 658430 00GI SD

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (110 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink / red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (7.9 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.1 ± 0.4 cm)
7.1.18*	Leaf blade width	Very high (10.5 ± 1.1 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (75 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (17 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Intermediate (18.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_89

PI 476852

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	High (116 ± 6 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink / red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (7.8 ± 2.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.3 ± 0.7 cm)
7.1.18*	Leaf blade width	Very high (10.1 ± 1.4 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (70 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.0 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Intermediate (20.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_90

PI 658429

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (83 ± 9 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.7 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.1 ± 0.6 cm)
7.1.18*	Leaf blade width	High (9.6 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (61 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Intermediate (20.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_96

PI 451723

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (105 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.1 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (6.3 ± 0.9 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (75 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (20 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.0 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Intermediate (18.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_121

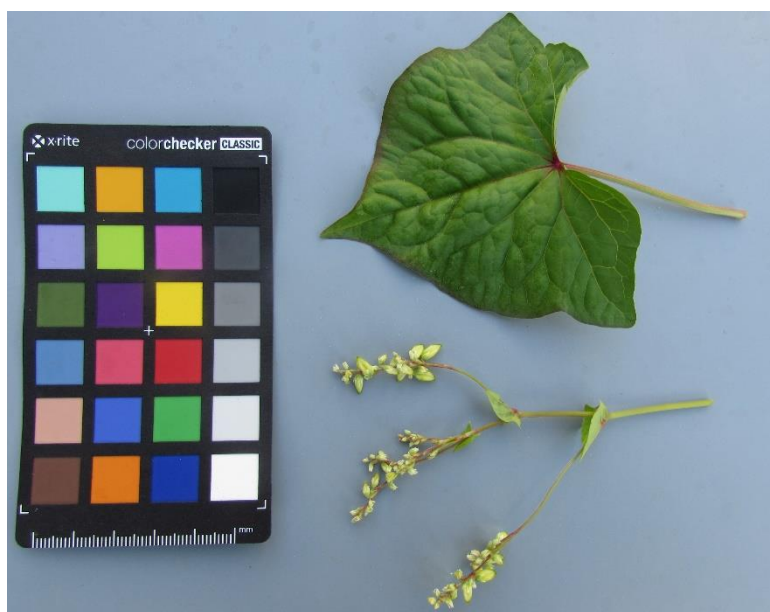
01Z5100007

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (89 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Low (6.4 ± 0.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.3 ± 1.0 cm)
7.1.18*	Leaf blade width	Very high (10.1 ± 0.8 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (57 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (17.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_122

01Z5100008

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (107 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.1 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.3 ± 0.9 cm)
7.1.18*	Leaf blade width	Very high (10.1 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (68 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.8 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Intermediate (18.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_123

01Z5100013

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (105 ± 6 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (9.7 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.6 ± 0.7 cm)
7.1.18*	Leaf blade width	Very high (10.6 ± 0.7 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.3 mm)
7.3.8*	Seed width	Low (3.2 mm)
7.3.9*	1000-seed weight	Intermediate (19.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_124

01Z5100014

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (102 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Very high (9.3 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.1 ± 1.4 cm)
7.1.18*	Leaf blade width	High (9.3 ± 0.9 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (72 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (16.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_126

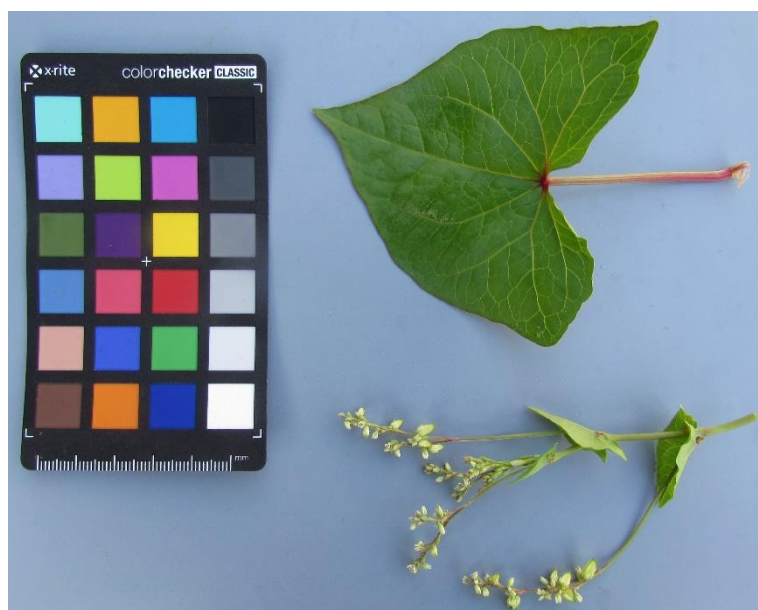
01Z5100002

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (95 ± 6 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (10.1 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.8 ± 0.3 cm)
7.1.18*	Leaf blade width	Very high (10.4 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (63 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (2.8 mm)
7.3.9*	1000-seed weight	Low (14.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_127

01Z5100003

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (73 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Intermediate (7.7 ± 2.2 mm)
7.1.16*	Petiole colour	Green
7.1.17*	Leaf blade length	Low (7.0 ± 1.0 cm)
7.1.18*	Leaf blade width	Very high (10.3 ± 1.4 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Very high (78 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.9 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (16.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_128

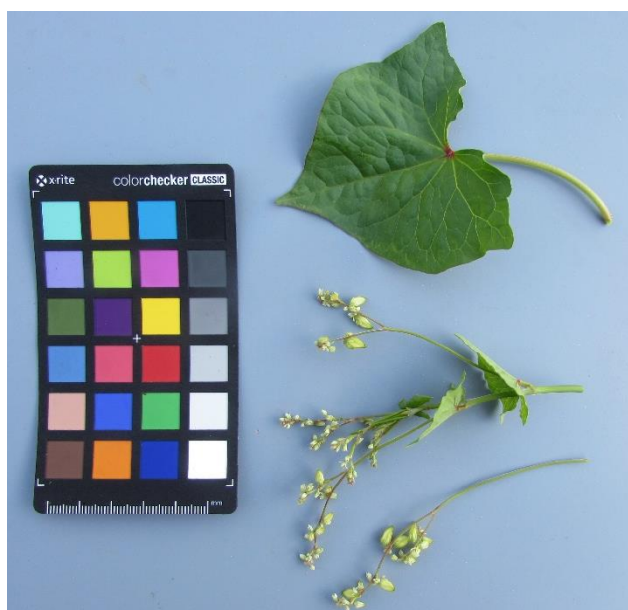
01Z5100004

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (87 ± 5 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.6 ± 1.4 mm)
7.1.16*	Petiole colour	Green
7.1.17*	Leaf blade length	Low (7.4 ± 0.3 cm)
7.1.18*	Leaf blade width	Very high (10.1 ± 0.6 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (65 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (15.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_129

01Z5100006

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Intermediate (113 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (9.9 ± 3.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.7 ± 0.8 cm)
7.1.18*	Leaf blade width	Very high (10.3 ± 1.3 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Very high (80 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (17 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (17.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_130

01Z5100009

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (97 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / pink
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.4 ± 2.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (6.2 ± 0.8 cm)
7.1.18*	Leaf blade width	Low (7.9 ± 0.3 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Pink / red
7.2.5	Length of cyme	High (67 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 1)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (15.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_131

01Z5100010

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (97 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (8.1 ± 1.3 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (6.1 ± 0.6 cm)
7.1.18*	Leaf blade width	Intermediate (8.1 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	High (72 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (17 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (16.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_132

01Z5100017

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Very low (84 ± 5 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	Intermediate (6.7 ± 2.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.7 ± 0.6 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 1.2 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (60 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 1)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (4.5 mm)
7.3.8*	Seed width	Low (2.7 mm)
7.3.9*	1000-seed weight	Very low (11.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_133

01Z5100019

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (88 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Intermediate (7.5 ± 1.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.6 ± 0.8 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (60 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (2.8 mm)
7.3.9*	1000-seed weight	Very low (12.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_134

01Z5100011

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (78 ± 4 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	High (8.7 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Low (7.0 ± 1.2 cm)
7.1.18*	Leaf blade width	High (9.2 ± 1.4 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very high (82 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (18 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / red
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (4.5 mm)
7.3.8*	Seed width	Low (2.7 mm)
7.3.9*	1000-seed weight	Very low (12.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_135

01Z5100037

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (85 ± 7 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	High (8.2 ± 1.9 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.0 ± 0.9 cm)
7.1.18*	Leaf blade width	Very low (6.6 ± 0.6 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (70 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 2)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (4.5 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (15.7 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_136

01Z5100050

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (95 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.3 ± 1.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.2 ± 0.5 cm)
7.1.18*	Leaf blade width	Very low (6.4 ± 0.3 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (60 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 1)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (2.8 mm)
7.3.9*	1000-seed weight	Low (15.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_138

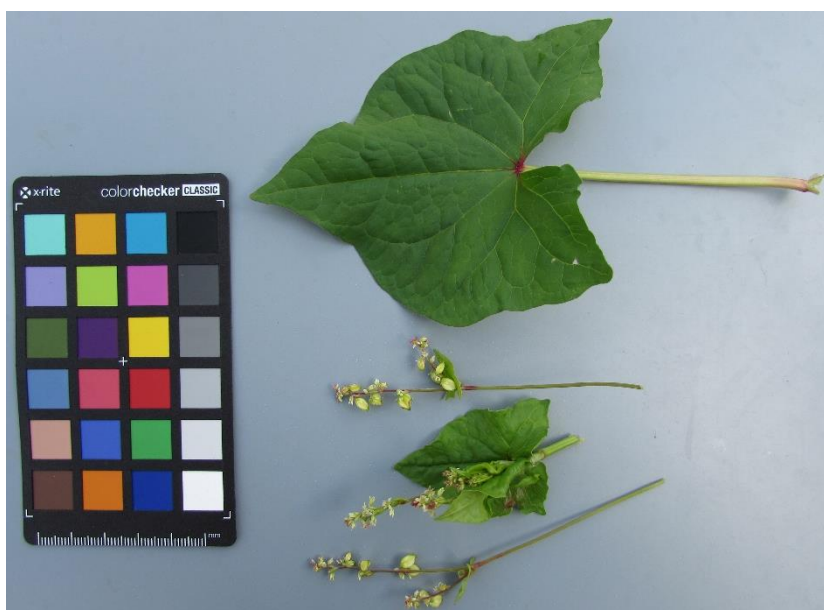
01Z5100025

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (75 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13-15 leaves)
7.1.15	Petiole length	High (8.9 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Very low (5.9 ± 0.4 cm)
7.1.18*	Leaf blade width	Low (7.7 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (63 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 1)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (3.8 mm)
7.3.8*	Seed width	Low (3.1 mm)
7.3.9*	1000-seed weight	Low (16.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_139

01Z5100001

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Semi-erect shorter
7.1.4*	Plant height	Low (95 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Intermediate (7.7 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	Intermediate (7.8 ± 0.3 cm)
7.1.18*	Leaf blade width	Very high (10.4 ± 0.4 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very high (93 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (20 ± 3)
7.2.7	Number of cymes per plant	Intermediate (8 ± 0)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (15.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_140

01Z5100005

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (83 ± 5 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (7.9 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink / red
7.1.17*	Leaf blade length	High (8.7 ± 0.4 cm)
7.1.18*	Leaf blade width	High (10.0 ± 0.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Very high (87 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (21 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.6 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (15.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_141

01Z5100012

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (95 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (9.5 ± 2.0 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.5 ± 1.1 cm)
7.1.18*	Leaf blade width	Very low (6.9 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (66 ± 8 cm)
7.2.6*	Number of flowers clusters per cyme	High (15 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	9 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.0 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (15.6 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_142

01Z5100028

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (85 ± 5 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	High (7.9 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	High (9.0 ± 1.2 cm)
7.1.18*	Leaf blade width	Very low (6.9 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Low (55 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (17 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.0 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (15.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Medium
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_143

01Z5100041

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Low (97 ± 5 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Very high (11.3 ± 3.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very high (9.9 ± 1.6 cm)
7.1.18*	Leaf blade width	Low (7.2 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (64 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (14 ± 1)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (2.8 mm)
7.3.9*	1000-seed weight	Low (14.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Large



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_144

01Z5100042

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (119 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Low (5.5 ± 1.2 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (6.8 ± 1.1 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 1.0 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Very high (83 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (16 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.1 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (15.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_145

01Z5100044

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (92 ± 6 cm)
7.1.6*	Plant branching	Intermediate (4-5 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8-12 leaves)
7.1.15	Petiole length	Very high (10.7 ± 1.7 mm)
7.1.16*	Petiole colour	Green
7.1.17*	Leaf blade length	Very high (9.6 ± 1.2 cm)
7.1.18*	Leaf blade width	Very low (6.6 ± 0.9 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very high (83 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	Very high (19 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.9 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (17.2 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_146

01Z5100046

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect longer
7.1.4*	Plant height	Very low (78 ± 4 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (6.9 ± 1.6 mm)
7.1.16*	Petiole colour	Green
7.1.17*	Leaf blade length	Low (6.8 ± 0.4 cm)
7.1.18*	Leaf blade width	Intermediate (9.0 ± 0.8 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Very late (66 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Low (51 ± 9 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 2)
7.2.7	Number of cymes per plant	Intermediate (7 ± 0)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (> 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (5.2 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Low (16.8 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_147

01Z5100030

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (107 ± 6 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green / red
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	Intermediate (7.6 ± 1.5 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.8 ± 1.0 cm)
7.1.18*	Leaf blade width	High (9.1 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (61 ± 4 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Intermediate (4.7 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Low (17.1 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_184

UC0101690

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (105 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Very high (9.5 ± 2.1 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (7.7 ± 1.9 cm)
7.1.18*	Leaf blade width	High (9.4 ± 1.5 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (55 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (57 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	11 days
7.2.12*	Days to maturity	Intermediate (76–90 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Very low (3.2 mm)
7.3.8*	Seed width	Very low (2.0 mm)
7.3.9*	1000-seed weight	Very low (9.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_185

UC0101691

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (95 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink
7.1.12.2	Leaf vein colour	Green / pink
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	High (8.2 ± 1.4 mm)
7.1.16*	Petiole colour	Green
7.1.17*	Leaf blade length	Low (6.7 ± 0.8 cm)
7.1.18*	Leaf blade width	Intermediate (9.0 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (62 ± 5 cm)
7.2.6*	Number of flowers clusters per cyme	High (13 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (4.1 mm)
7.3.8*	Seed width	Very low (2.5 mm)
7.3.9*	1000-seed weight	Very low (10.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_186

UC0101692

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Semi-erect longer
7.1.4*	Plant height	Very low (69 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Intermediate (50%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.3 ± 1.7 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Very low (5.6 ± 0.6 cm)
7.1.18*	Leaf blade width	Low (7.6 ± 1.3 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate)
7.2.1*	Days to flowering	Early (51 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	No
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (17 ± 2 cm)
7.2.6*	Number of flowers clusters per cyme	Very low (2 ± 1)
7.2.7	Number of cymes per plant	Intermediate (8 ± 1)
7.2.8*	Flower colour	Greenish-yellow
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown
7.3.5*	Seed shape	Ovate (intermediate)
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	High (5.7 mm)
7.3.8*	Seed width	Intermediate (3.7 mm)
7.3.9*	1000-seed weight	Intermediate (18.5 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_198

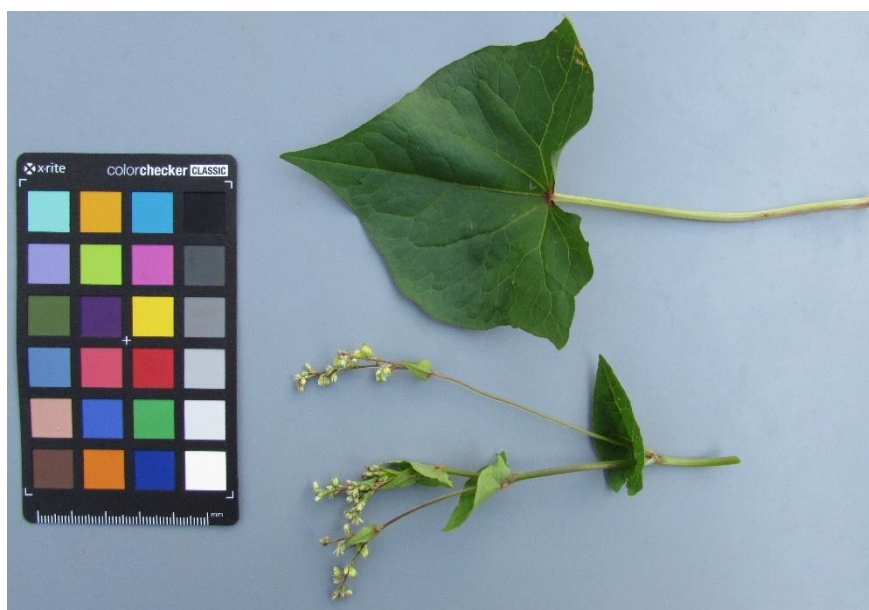
UC0100180

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (123 ± 17 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Pink / red
7.1.12.2	Leaf vein colour	Green / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	High (8.2 ± 1.3 mm)
7.1.16*	Petiole colour	Green / red
7.1.17*	Leaf blade length	Low (7.3 ± 0.6 cm)
7.1.18*	Leaf blade width	Intermediate (8.4 ± 0.7 cm)
7.1.19*	Leaf blade shape	Hastate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	High (68 ± 10 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 1)
7.2.7	Number of cymes per plant	Intermediate (7 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Very low (3.2 mm)
7.3.8*	Seed width	Low (2.9 mm)
7.3.9*	1000-seed weight	Very low (11.0 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_210

UC0100291

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Intermediate (114 ± 5 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Intermediate (8–12 leaves)
7.1.15	Petiole length	High (8.9 ± 1.7 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Low (7.5 ± 1.0 cm)
7.1.18*	Leaf blade width	High (9.6 ± 1.5 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green / pink
7.2.5	Length of cyme	Intermediate (62 ± 7 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (12 ± 2)
7.2.7	Number of cymes per plant	High (9 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Grey / brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Very low (3.3 mm)
7.3.8*	Seed width	Low (3.0 mm)
7.3.9*	1000-seed weight	Very low (12.8 g)

*ECOBREED descriptor

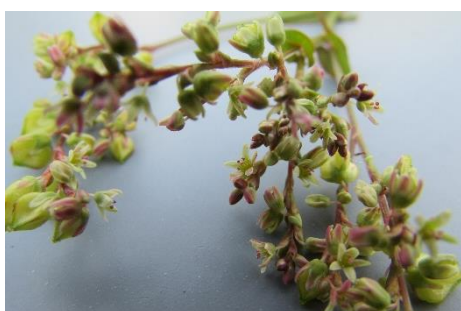
UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Strong
15.	Stem: number of nodes	Many
16.	Stem: diameter	Medium



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_220

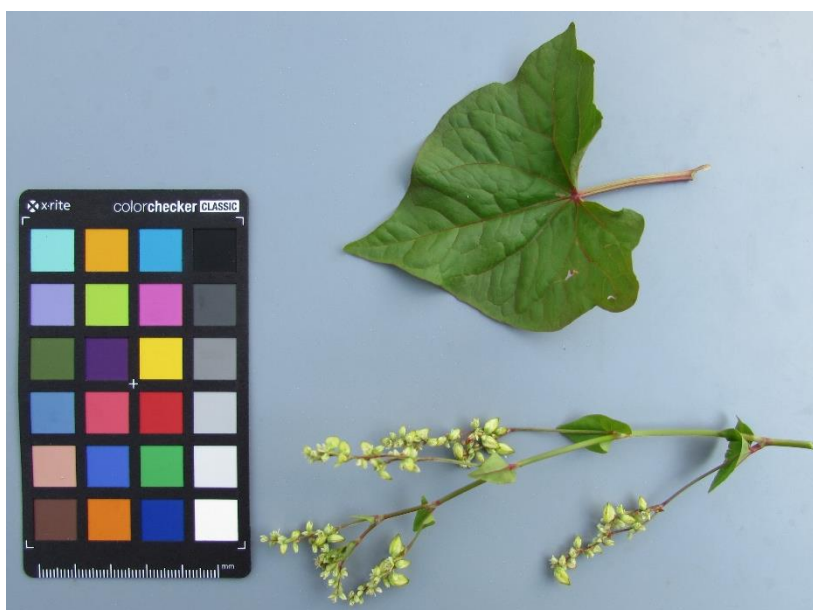
UC0101037

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Green
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	High (119 ± 7 cm)
7.1.6*	Plant branching	Strong (6–7 branches)
7.1.7*	Stem colour	Green / red
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Green
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	Low (4–7 leaves)
7.1.15	Petiole length	Intermediate (7.4 ± 2.4 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Very low (6.5 ± 0.7 cm)
7.1.18*	Leaf blade width	Intermediate (8.7 ± 1.2 cm)
7.1.19*	Leaf blade shape	Hastate / sagittate (intermediate)
7.2.1*	Days to flowering	Intermediate (56 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Red
7.2.5	Length of cyme	Intermediate (56 ± 6 cm)
7.2.6*	Number of flowers clusters per cyme	Intermediate (11 ± 1)
7.2.7	Number of cymes per plant	Low (6 ± 1)
7.2.8*	Flower colour	Greenish-yellow / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Late (91–105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Conoidal
7.3.6*	Seed surface	Irregular or wrinkled
7.3.7*	Seed length	Low (3.6 mm)
7.3.8*	Seed width	Very low (2.4 mm)
7.3.9*	1000-seed weight	Very low (9.4 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Absent or very weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

ECOBREED_234

UC0100179

Description

IPGRI code	IPGRI descriptor	Scale (interval)
7.1.1	Cotyledon/seedling leaf colour	Pink
7.1.2*	Growth and branch shoot habit	Erect shorter
7.1.4*	Plant height	Low (90 ± 7 cm)
7.1.6*	Plant branching	Very strong (≥ 8 branches)
7.1.7*	Stem colour	Green / pink
7.1.11	Lodging susceptibility	Very low (0%)
7.1.12*	Leaf colour	Green
7.1.12. (only for Tartary)	Leaf margin colour	Red
7.1.12.2	Leaf vein colour	Green / pink / red
7.1.13*	Leaf number	High (13–15 leaves)
7.1.15	Petiole length	Intermediate (7.1 ± 1.8 mm)
7.1.16*	Petiole colour	Green / pink
7.1.17*	Leaf blade length	Intermediate (8.0 ± 1.9 cm)
7.1.18*	Leaf blade width	Low (7.9 ± 1.5 cm)
7.1.19*	Leaf blade shape	Sagittate (intermediate) / cordate
7.2.1*	Days to flowering	Late (61 days)
7.2.2*	Compactness of inflorescence	Cyme loose
7.2.3	Branched inflorescence	Yes
7.2.4*	Colour of inflorescence stalk	Green
7.2.5	Length of cyme	Very low (45 ± 3 cm)
7.2.6*	Number of flowers clusters per cyme	Low (9 ± 1)
7.2.7	Number of cymes per plant	High (10 ± 1)
7.2.8*	Flower colour	White / pink
7.2.11	Germination period	7 days
7.2.12*	Days to maturity	Very late (≥ 105 days)
7.3.2*	Seed colour	Brown
7.3.5*	Seed shape	Triangular
7.3.6*	Seed surface	Smooth
7.3.7*	Seed length	High (5.9 mm)
7.3.8*	Seed width	High (4.6 mm)
7.3.9*	1000-seed weight	Very high (26.3 g)

*ECOBREED descriptor

UPOV code	UPOV descriptor	Scale
4.	Inflorescence: anthocyanin coloration of bud	Weak
15.	Stem: number of nodes	Many
16.	Stem: diameter	Small



Size, shape and colour of leaves and flowers



Branches of flowering plants



Flowers



Size, shape and colour of seeds

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