

The introduction of the common bean (*Phaseolus vulgaris* L.) into Western Europe and the phenotypic variation of dry beans collected in the Netherlands in 1946

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Summary

The first introduction of common bean from Central/South America into Western Europe most likely took place around 1500. The attractive bean seeds and their easy transportation warranted numerous additional introductions,

not only from the Americas, but also from other areas where the common bean had been introduced. Bean seeds also must have been transported all over Europe both locally and internationally. Natural and human selection took place in and among introductions as well as in hybrid populations. Strong human selection may have led to pure garden forms which often occur in The Netherlands. In the period 1945–1948 a dry-bean collection of some 1500 accessions was made in The Netherlands. These have been classified into various criteria: 1.

landraces,

'primitive' garden forms and cultivars, 2. (semi)climbing or bush types, 3. various seed colour types, including whitish, brownish, yellowish, black and variegated.

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Collection of landraces, garden forms and cultivars of the common bean made in The Netherlands

Code name Provenance

site/person

White-seeded beans

- 1.01 Krombek Schoonebeek
- 1.02 Eiboon Eindhoven
- 1.03 Walcherse Witte (pole) Gatersleben
- 1.04 Walcherse Witte Blanka (pole) Gatersleben
- 1.06 Eiboon Zevenbergschehoek
- 1.07 Krombek Zwaan
- 1.08* Krombek Tubergen
- 1.09 Krombek Willemse
- 1.10* Krombek van Namen
- 1.11 Krombek IVT
- 1.12 Krombek Sluis & Groot
- 1.13 Krombek LU-LPT
- 1.14* Prelude Stamboon LU-LPT
- 1.16 Eiboon Brielle
- 1.18 Eiboon Brielle
- 1.19 Eiboon Beusichem
- 1.20* Walcherse Witte IVT ex province Zeeland
- 1.21 Schabenause Renkum
- 1.22 Krombek 1 Abbekerk
- 1.23 Krombek 2 Abbekerk
- 1.24 Eiboon Andijk
- 1.25 Krombek Andijk
- 1.26 Eiboon Dalen
- 1.28* Krombek Dalen
- 1.29* Krombek Dalen
- 1.31 Knobbelboon Roggel
- 1.32 Kookboon Baarlo
- 1.33 Wit-rood Boon Barneveld
- 1.34 Dikkontjes 's-Gravenhage

- 1.36* Witte Platte Stokboon Barneveld
- 1.37 Wit Boontje Barneveld
- 1.38* Witte Stokboon Dinxperloo
- 1.39* Witte Boon (Duitse Prinses) De Lier
- 1.41* Walcherse Witte LU-LPT ex province Zeeland
- 1.43 Witte Polboon Appeltern
- 1.44 Wit Suikerboontje Appeltern
- 1.45 Witte Boon Oirschot
- 1.46 Kaboon IPO
- 1.47 Witte Droge Slaboon Bathmen
- 1.48 Hardschillige Witte Rockanje
- 1.50 Wulleboon Vaals
- 1.51 Stokboon Vaals
- 1.52 Stoksoepboon Vaals
- 1.53 Eiboon Beneden-Leeuwen
- 1.55 Witte Boon Venray
- 1.56 Witte Sabelboon Venray
- 1.57 Witte Boon Venray
- 1.58* Veense Snijboon Venray
- French bean, syn. Vroege Veense (RLG, 1943)
- 1.59 Witte Boon Eindhoven
- 1.60 Eiboon Venray
- 1.64 Kookboon Venray
- 1.65 Soepboon Venray
- 1.66 Snijboon Venray
- 1.69 Soepboon Venray
- 1.70* Princesse Boon Venray
- 1.71* Veense Snijboon see 1.58 Venray
- 1.72 Soepboon Venray
- 1.76 Fijne Kleine Boon Wassenaar
- 1.77 Eiboon Nijkerk
- 1.78* Franse Prinses Beneden-Leeuwen
- 1.79 Witte Boon Ubachsberg
- 1.80* Riesenboontje Eijs
- Maybe syn. to Hinrichs Reuzen (see 1.85)
- 1.84 Witte Aka Vrouwenpolder
- 1.85* Hinrichs Reuzen Groningen
- French bean, syn. Hinrichs Riesen, Witte Reuzen (RLG, 1943)
- 1.86* Snijboon Nederhorst-Ten Berg
- 1.87 Eiboon (knobbel) Kesteren
- 1.88* Groninger Weekschil Groningen via Wageningen
- French bean, but also suitable as dry bean, slightly susceptible to diseases (RLG, 1943)
- 1.89 Witte Stamboon Avenhorn
- 1.90* Stokprinses Eefde
- Brown-seeded beans**
- 2.01 Berna IvP
- 2.02 1 Berna LU-LPT
- 2.02 2 Kogelboon LU-LPT
- 2.03 Kogelboon IvP
- 2.04 Noordhollandse Bruine Zwaan
- 2.05 aff. Berna Tubergen
- 2.06 aff. Berna Willemse
- 2.07 aff. Berna van Namen
- 2.08 Kogelboon Sluis
- 2.09 Kogelboon Barneveld
- 2.10 Aka LU-LPT
- Aka has been described as having a short pod (Anon., 1949)

- 2.11 aff. Berna Willemse
- 2.12 Beka IVT
- 2.13 Ceka IVT
- 2.16 aff. Berna Brielle
- 2.17 aff. Berna IvP
- 2.18 aff. Berna Abbekerk
- 2.19 Aka Cebeco
- 2.20 aff. Berna Dalen
- 2.21 Dikpenskes Baflo
- 2.22 Kogelboon Walcheren
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- 2.23* Rattekeutel, see 2.43 Barneveld
- 2.24 Rotters maybe syn. to 2.43 Voorthuizen
- 2.25 Koffiebruine Boon Vlaardingen
- 2.27 Havannabruine Boon Beilen
- 2.28 Kogelboon Emmeloord
- 2.30 Bruine kogelboon Arnhem
- 2.31 Bruine Boon Bathmen
- 2.33 Bruine Boon West-Friesland
- 2.34 Bruine Boon Bathmen
- 2.35 Moddermannen Rockanje
- 2.36 Bruine Boon Bathmen
- 2.37 Noordhollandse Bruine Beneden-Leeuwen
- 2.38 Bruine Soepboon Venray
- 2.39 Bruine Soepboon Venray
- 2.40 Kennemer Bruine Breezand
- Maybe identical to the improved variety Kennemer with ochre-brown seeds. This variety is moderate resistant to halo blight, BCMV and susceptible to anthracnose
- 2.41 Grauwe Boon Breezand
- 2.42 Bruine Boon Breezand
- 2.43 Chocolate Bruine Boon Breezand
- syn. (Chocolate) Bruine Rotjes, Rattekeutels. Slightly susceptible to (not specified, ACZ) diseases (RLG, 1943)
- 2.44 Chocolate Bruine Boon Cebeco
- see 2.43
- 2.45 Kogelronde Bruine Boon Wageningen
- 2.46 Bruin Boontje Domburg
- Kievitsboon**
- 3.01 Grootzadige Zwaan
- 3.02 Grootzadige Paars Tubergen
- 3.03 Grootzadige van Namen
- 3.04 1 Grootzadige Wouda
- 3.04 2 Kleinzadige Wouda
- 3.05 Renka IVT
- 3.07 Grootzadige Wageningen
- 3.08 Grootzadige Wageningen
- 3.09 Grootzadige (darker) Wageningen
- 3.10 Grootzadige Wageningen
- 3.11 Renka LU-LPT
- 3.12 Kleinzadige Prakken
- 3.13 Transvaalse Bonte Met Draad LU-LPT
- 3.14 Grootzadige Nieuwe Wetering
- 3.15 Grootzadige Nieuwe Wetering
- 3.16 Grootzadige IvP
- 3.17 Stokkievitsboon Nieuwe Wetering
- 3.18 Stokkievitsboon Hoogmade
- 3.19* Transvaalse Bonte Met Draad IVT

French bean, but suitable as dry bean (RLG, 1943)

3.20* Transvaalse Bonte Zonder Draad IVT

French bean, but suitable as dry bean (RLG, 1943)

3.21 Macedonische Boon LU-LPT

3.22 Stokkievitsboon Prakken

3.23 Roodbonte Krobbe Prakken

3.26 Kleinzadige Kootwijk

3.27 Stokkievitsboon Andijk

3.28 Kleinzadige Voorthuizen

3.29 1 Grootzadige Dieren

3.29 2 Grootzadige Dieren

3.30 Rode Krobbe Molenend

3.32 Grootzadige Wageningen

3.33 Rode Kievit Castricum

3.34 Stokkievitsboon Arnhem

3.35 Kievitsboon Druten

3.36 Kievitsboon Batenburg

3.39 Renka IPO

3.41 Kievitseitjes Rockanje

3.42 Roodbruine Kievit Rockanje

3.43 Bruine Kievit Rockanje

3.44 Bruin Gevlekte Moddermannen Rockanje

3.45 Kievitsboon Steenwijk

3.46 Kievitsboon Dalfsen

3.47 Kievitsboon Dalfsen

3.51 Stokkievitsboon Dorenbosch

3.52 Stokkievitsboon Aalsmeer

3.53 Transvaalse Bonte Aalten

French bean, but suitable as dry bean (RLP, 1943)

3.54 Kleine Krobbe Aalsmeer

3.55 Speksnijboon Ubachsberg

3.57* Gieterse Slaboon Gieten

3.58 Kievitsboon Zuid-Holland

3.59 Breezandse Boon Breezand

3.60 Kievitsboon Batenburg

Citroen and (straw)yellow

4.01 Citroen Prakken

4.02 Citroen LU-LPT

4.03 Citroen Zwaan

4.04 Citroen van Namen

4.05 Citroen de Nijs

4.06 Strogele IVT

4.07 Strogele LU-LPT

4.08 1 Strogele Koopman

4.08 2 Strogele Koopman

4.09 Strogele Koopman

4.10 Strogele St. Johannesga

4.12 Strogele Siddeburen

4.13 Strogele Winschoten

4.14 Citroen Spitters

4.15 Strogele Groningen

4.16 Citroen Andijk

4.17 Strogele Dalen

4.19* Slaboon Barneveld

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4.20* Wagenaar Slaboon Wageningen

French bean, syn. Met Draad 14 cm

Vroege Wagenaar pod length

Zonder Draad 12 cm
pod length

Very/moderate tolerant to BCMV and BYMV, moderate
susceptible to ascochyta blight, almost resistant to
anthracnose (RLG, 1943)

- 4.21 Gele Boon Apeldoorn
- 4.22 Gele Boon Veenoord
- 4.23 Gele Boon Miedema
- 4.24 Gele Boon Schoonoord
- 4.25 Beige Gele Boon Duitsland
- 4.26 Gele Krobbe Castricum
- 4.27 Gele Boon Veendam
- 4.28 Gele Boon West Friesland
- 4.29 Gele Citroenboon Rockanje
- 4.30 Strogele Veendam
- 4.31 Strogele Wiersma
- 4.32 Gele Boon Oostwold
- 4.33 Citroenboon Venray
- 4.34 Gele Boon Dorenbosch
- 4.35 Gele Boon Oosterhesselen
- 4.36 Strogele Boon Veendam
- 4.37 Strogele Boon Bergumermeer
- 4.38 Strogele Boon Salvia Cebeco
- 4.39 Strogele Groningen-Joordens
- 4.40 Geelbruine (with a purple pod) Kesteren
- 4.41 Strogele

Soldatenboon

- 5.01 1 Bruine Soldaat Silvolde
- 5.01 2 Rode Soldaat Silvolde
- 5.02 Rode Soldaat NAK
- 5.03 Rode Soldaat Prakken
- 5.04 Bruine Soldaat Rouveen
- 5.05 Bruine Soldaat De Bilt
- 5.06 Bruine Soldaat Krimpen a/d IJssel
- 5.07 Bruine Soldaat H.I. Ambacht
- 5.08 Kleine Bruine Soldaat Drente
- 5.09 Bruine Soldaat Schouten

Black-seeded beans

- 6.01* Wasboon IVT
- 6.02* Zwarte Belgische IVT
- 6.03 Markusboon Zelderheide
- 6.04 Grote Zwarte Woubrugge
- 6.05 Zwarte Boon Appeltern
- 6.06 Moortje Rockanje
- 6.07 –
- 6.08* Wasboon Ubachsberg

A black-seeded Wasboon cultivar has been described in
RLG (1943) as Wasboon Mont d'Or without string, with the
characters quite susceptible to anthracnose and Ascochyta
blight, slightly susceptible to halo blight, and slightly
sensitive to BCMV and BYMV

- 6.09* Wasboon, Venray

see 6.08

- 6.10* Wasboon, Venray

see 6.08

Other

- 7.01 Porcelainboon Rockanje

*(semi)climbing accession, IPO = Institute of Plant Pathological

Research, now IPO-DLO. IVT = collection of former Institute for Horticultural Plant Breeding, Wageningen, now part of CPRO-DLO.
LU-LPT = Dept. of Agronomy of the Agricultural University.
NAK = General Netherlands Inspection Service for Agricultural Seeds and Seed Potatoes.