USDA

United States
Department of
Agriculture

Agricultural
Research
Service

Technical Bulletin
Number 1894

July 2001

Evaluation of the USDA Soybean Germplasm Collection: Maturity Groups VI–VIII (FC 03.659–PI 567.235B)

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Thomas is a chemist with USDA-ARS, National Center for Agricultural Utilization Research, Peoria, IL.

Nelson, Peregrine, and Hill are curator, assistant curator, and former assistant curator, respectively, of the USDA Soybean Germplasm Collection, Urbana, IL.

Abstract

J.L. Hill, E.K. Peregrine, G.L. Sprau, C.R. Cremeens, R.L. Nelson, M.M. Kenty, T.C. Kilen, and D.A. Thomas. 2001. Evaluation of the USDA Soybean Germplasm Collection: Maturity Groups VI–VIII (FC 03.659–PI 567.235B). U.S. Department of Agriculture Technical Bulletin No.1894, 130 pp.

This publication contains information on the origin, descriptive characteristics, agronomic performance, seed composition, and disease reaction of of soybean [*Glycine max* (L.) Merrill] germplasm accessions in maturity groups VI–VIII from the USDA Soybean Germplasm Collection. These accessions were introduced into the United States by 1991. The accessions included in this publication were evaluated in 1992 and 1993 (groups VI) and in 1994 and 1995 (groups VII and VIII) in Stoneville, Mississippi (Lat. 33° 26' N).

KEYWORDS: agronomic characteristics, cultivar, evaluation, fatty acids, *Glycine max*, origin, seed composition, seed yield, soybean, soybean germplasm, soybean oil, soybean protein.

While supplies last, single copies of this publication may be obtained from the USDA Soybean Germplasm Collection, 1101 West Peabody Drive, University of Illinois, Urbana, IL 61801.

Copies of this publication may also be purchased from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; telephone (703) 605–6000.

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Contents

Introduction

This publication contains information on the origin, descriptive characteristics, agronomic performance, and seed composition data of soybean [*Glycine max* (L.) Merr.] germplasm accessions in maturity groups VI through VIII. Accession ranges included are FC 03.659 to PI 520.732 in maturity group VI, FC 30.267 to PI 567.181B in maturity group VII, and FC 31.592 to PI 567.235B in maturity group VIII. Also included are cultivars in the same maturity groups that were developed at public institutions in the United States and Canada and released by 1991.

The pedigrees of domestic cultivars are not included, but many are available in USDA Technical Bulletin 1746. Origin details for some of the introduced accessions are available in the USDA Soybean Germplasm Collection Inventory, Volumes 1 and 2, INTSOY Series Numbers 30 and 31. These data are also available electronically from the Germplasm Resources Information Network at <http://www.ars-grin.gov/npgs/> or from the Database Management Unit, USDA-ARS, BARC West, Beltsville, MD 20705. Other evaluation publications for germplasm in the USDA Soybean Collection can be obtained from the Curator, USDA Soybean Germplasm Collection, USDA-ARS, 1101 West Peabody Drive, University of Illinois, Urbana, IL 61801.

The accessions included in this publication were evaluated in 1992 and 1993 (maturity group VI) and in 1994 and 1995 (maturity groups VII and VIII) in Stoneville, Mississippi (Lat. 33° 26' N). The group VI evaluation was planted in mid-May 1992, and on May 17, 1993. Because 1993 was much drier than 1992, supplemental irrigation was required. Almost all entries flowered earlier in 1992 than in 1993 but matured at about the same time in both years. Plant height and yield were both significantly lower in 1993 than in 1992.

The group VII and VIII evaluation was planted on May 10, 1994, and May 23–24, 1995. In 1994, yield was much greater and seed quality much higher than in 1995. The total rainfall during each growing season was not significantly different, but rainfall during the grain-filling period was much greater in 1994 than in 1995. Some supplemental irrigation was required in both years.

All test were replicated once per year. Plots were four rows wide, with rows 3.6 m long and 91 cm between rows. Only the center two rows of each plot were harvested for yield. Plots were not end trimmed at maturity, so yield values reported here slightly overestimate the actual yield. For the group VI evaluation, only 1993 yield data could be used.

Based on data collected in these evaluations, maturity groups for some accessions were changed from those reported in earlier publications. Accessions are listed with the evaluation in which they were planted, regardless of which maturity group they were placed in following evaluation. The groups VII and VIII evaluation was blocked by maturity group, but the data are presented in name or PI number order.

The seed and oil composition data were collected at the USDA Northern Center for Agricultural Utilization Research in Peoria, IL. Protein and oil percentages for lines with yellow seed coats were obtained using infrared instrumentation as outlined below. Composition percentages for those with colored or very heavily mottled seed

coats were obtained with the Kjeldahl procedure for protein and by Butt extraction for oil. Fatty acid composition was determined by gas-liquid chromatography.

To obtain oil and protein percentages of the seed by infrared instrumentation, approximately 7 g of seeds were placed in a beaker and dried in a forced-air oven for 3 hours at 130 °C. The seeds were then transferred to 50-g bottles, sealed, and allowed to cool for 1 hour. The cooled samples were ground in a Varco electric dry-food grinder and returned to the 50-g bottles. Ground samples were analyzed with an Infratec 1255 food and grain analyzer (Perstorp Analytical Company). Samples were scanned at 800–1,100 nm. The analyzer was calibrated with at least 40 soybean samples having a protein range of 33 to 50 percent and an oil range of 12 to 24 percent.

Fatty acid composition was obtained by gas-liquid chromatography of the methyl esters. Seeds were ground in a small food grinder and stored at –20 °C until analyzed. Approximately 200 mg of ground sample was placed in a 25-ml vial, and 5 ml of sodium methoxide added in two 2.5-ml aliquots with an automatic syringe in such a way as to ensure mixing. (The sodium methoxide solution was prepared daily by adding 1 g of sodium metal to 100 ml of reagent grade methanol.) The suspension of ground sample in sodium methoxide was allowed to stand for 45 minutes, after which 1 ml of 10-percent acetic acid solution was added, followed immediately by 10 ml of heptane (in two 5-ml aliquots). The samples were completely mixed after each reagent addition. This mixture was allowed to stand for several minutes so that the layers could separate.

For 1992 samples, part of the heptane layer was used for gas chromatographic analysis on a Varian model 3700 gas chromatograph equipped with two Model 8000 autoinjectors and flame detectors. Columns were 2 m by 2 mm and packed with 100/120 mesh Gas-Chrom Q coated with 5 percent LAC–2R–446. Analyses were made isothermally at 180 °C with the injector at 230 °C and the detector at 240 °C. Gas flow rates for helium, hydrogen, and air were 25, 25, and 250 ml per minute, respectively. The autoinjectors were set to inject 0.5 μl. Total analysis time was 10 minutes. Integration, peak identification, data storage, and report printing were all done by computer.

For samples from 1993, 1994, and 1995 evaluations, a 2-ml aliquot of the heptane layer was extracted for analysis in a Hewlett Packard model 6890 gas chromatograph equipped with a Model 6890 auto injector and flame ionization detector. Columns were 30-m-by-0.32-mm capillaries coated internally with 5-percent diphenyl dimethyl siloxane. In the HP 6890, chromatography is isothermal and flow rates for helium, hydrogen, and air are 40, 40, and 450 ml/min respectively. The injection volume was 1 μl with split ratios used, depending on the concentration of the sample. Total analysis time was approximately 5 minutes. The integration, peak identification, data storage, and report printing were all performed by the Hewlett-Packard Chemstation software and modified Excel spreadsheet.

Data categories and abbreviations

Numeric values are the mean of observations from the two years. Where only one observation was available, that value is followed by a caret (^). Some accessions were so viney that accurate measurement of height was not possible; in these cases, an average of estimated values is given followed by a plus sign (+). Chemical data obtained using the Kjeldahl procedure and Butt extraction are followed by a (^{w}). An asterisk (*) following a mean indicates that the difference between the values for the two replications exceeds a specified limit as follows:

Flowering date	>14 days
Maturity date	>14 days
Lodging	>1 unit
Height	>15 cm
Stem termination	>1 unit
Shattering	>1 unit
Seed quality	>1 unit
Seed mottling	>1 unit
Seed weight	>4.0 g/100 sd
Yield	>0.7 Mg/ha

This approach was implemented because of the possibility of misinterpreting the mean of only two observations when the difference between the individual values was large.

Missing data are indicated by a dash (—).

Table 1

FC number
Serial numbers assigned by the former Forage Crops Section of USDA, Beltsville, MD. This series was used until approximately 1957.

PI number
Serial numbers assigned by the Plant Exchange Office, National Germplasm Resources Laboratory, USDA-ARS, BARC-West, Beltsville, MD 20705.

Accession name
Accession names and identification numbers are reported as received. No attempt was made to change transliterations or translations done by others. When heterogeneous introductions were received, two or more sublines were preserved and are distinguished by a number (–1, –2, etc.) or letter (A, B, C, etc.) suffixed to the PI number. Any name or number received with the original sample is enclosed in parentheses for "B" and greater sublines and for those with a numeric suffix other than "–1."

Region and country of origin
The country and region (province, state, prefecture, etc.) where the accession originated based on the best information received from the country of acquisition or accession name.

Country of acquisition
The country from which the seeds were actually obtained.

Year of introduction or release
The year in which cultivars from the United States or Canada were officially released, or the year in which introductions were assigned PI numbers.

Maturity group
Classification of relative maturity based on date of maturity at Stoneville, MS.

Table 2

Stem termination
D = determinate (stem termination score < 2.0)
N = indeterminate (stem termination score ≥ 2.5)
S = semideterminate (stem termination score ≥ 2.0 and < 2.5)

Flower color
P = purple
Dp = dark purple
Lp = light purple
Pth = purple throat (all petals are white except for the base of the standard)
NW = near white (very slight purple tinge)
W = white

Pubescence color
T = tawny
Lt = light tawny
G = gray
Ng = near gray
— = not recorded when pubescence form is C or pubescence density is G

Pubescence form
A = appressed on leaf surface
C = curly (twisted and appressed)
E = erect on leaf surface
I = irregular (slightly curly or twisted)
Sa = semiappressed on leaf surface
— = no value possible when pubescence density is G (glabrous)

Pubescence density
N = normal density
Sp = sparse
Ssp = semisparse (slightly reduced density, most noticeable on the pulvinus)
G = glabrous (no pubescence)
Dn = dense
Sdn = semidense

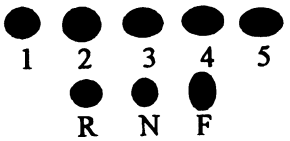
Pod color
Bl = black
Br = brown
Dbr = dark brown
Lbr = light brown
Tn = Tan

Seedcoat luster
B = bloom
Lb = light bloom
D = dull
I = intermediate (between shiny and dull)
S = shiny

Seedcoat and hilum color
Bf = buff
Bl = black
Brbl = brown, with variation possible from light brown to black
Blbr = black hilum with brown outer ring
Br = brown
G = gray
Ggn = gray green
Gn = green
Gnbr = green brown
Ib = imperfect black
Ig = imperfect gray
Rbf = red buff
Rbr = red brown
Tn = tan
Y = yellow

Dark or light shades of these colors are indicated by prefixing the abbreviations with D or L (for example, Lbr = light brown).

Seed shape
Side view: 1 (Round) – 5 (Very elongated)
End view:
R (Round)
N (Normal)
F (Flat)



Other traits
Abh = imperfect abscission of hilum
Def = defective seedcoat (irregular splitting of the seedcoat)
Flk = brown flecks on black seedcoat
Gnc = green cotyledon
Net = splitting of the outer layer of the seedcoat, which produces a netted appearance on the sides of the seeds
Sad = saddle-shaped dark pigment on seedcoat encompassing the hilum
Sph = spread hilum (slight, regular extension of hilum pigment beyond hilum boundary)

St = black, curved stripes on seedcoat
Vhil = Variable hilum color
Vsc = Variable seedcoat color
Lft4, Lft5, or Lft7 = 4, 5, or 7 leaflets frequent
Na = narrow leaflet
Wa = wavy leaflet margin
Cd = chlorophyll deficient
Fasc = flattened or ribbon-shaped stem
Sw = semiwild

Slight or some expression of any of these "other traits" is indicated by prefixing the abbreviation with S (e.g., Sna = Slight narrow leaf).

Also see "Mottling" in Table 3.

Table 3

Flowering
Date when 50 percent of the plants have flowered (month/day).

Maturity
Date when 95 percent of the pods have reached final color (month/day).

Lodging
Scored 1 (erect) to 5 (prostrate)

Height
Length of stem from ground to stem tip, in centimeters, at maturity.

Stem termination
Scored 1 (very determinate) to 5 (very indeterminate)

Shattering
Early: Scored at harvest maturity
Late: Scored on border rows two weeks after harvest
Score based on percentage of open pods:

1 = no shattering
2 = 1 to 10 percent
3 = 10 to 25 percent
4 = 25 to 50 percent
5 = >50 percent.

Seed quality
Scored 1 (good) to 5 (very poor), considering wrinkling, defective seedcoat, and greenish or diseased seeds.

Mottling
Score based on percentage of seedcoat with dark pigment:

1 = no mottling
2 = 1 to 10 percent
3 = 10 to 25 percent
4 = 25 to 50 percent
5 = >50 percent

A dash (—) indicates that the seedcoat was normally dark pigmented, and thus mottling cannot be scored.

Seed weight
Centigrams per seed based on a 100-seed sample.

Seed yield
Megagrams per hectare.

Table 4

Seed composition
Protein and oil: percentage of dry weight of seed.
Fatty acids (palmitic, stearic, oleic, linoleic, linolenic): Percentage of total fatty acids.

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
	Arksoy	Pyongyang	North Korea	United States	1937	VI
	Armredo	Arizona	United States	United States	by 1945	VI
	Brim	North Carolina	United States	United States	1990	VI
	Bryan	Georgia	United States	United States	1990	VI
	Centennial	Mississippi	United States	United States	1976	VI
	Choska	Oklahoma	United States	United States	1991	VI
	Davis	Arkansas	United States	United States	1965	VI
	Delsoy	Kyonggi	South Korea	United States	by 1943	VI
	Easycook	Shandong	China	United States	by 1923	VI
	Gail	Texas	United States	United States	1978	VI
	Haberlandt	Pyongyang	North Korea	United States	1907	VI
	Hahto	Fukushima	Japan	United States	1918	VI
	Hayseed	Jiangsu	China	United States	1937	VI
	Hood	Mississippi	United States	United States	1958	VI
	Hood 75	Arkansas	United States	United States	1975	VI
	Jeff	Arkansas	United States	United States	1981	VI
	Kershaw	South Carolina	United States	United States	1989	VI
	Lamar	Mississippi	United States	United States	1989	VI
	Laredo	Shaanxi	China	United States	by 1923	VI
	Lee	Mississippi	United States	United States	1958	VI
	Lee 68	Arkansas	United States	United States	1968	VI
	Leflore	Mississippi	United States	United States	1984	VI
	Lloyd	Arkansas	United States	United States	1987	VI
	Magnolia	Kyonggi	South Korea	United States	by 1939	VI
	Mamredo	Mississippi	United States	United States	1924	VI
	Ogden	Tennessee	United States	United States	1940	VI
	Old Dominion	Shandong	China	United States	1927	VI
	Pickett	North Carolina	United States	United States	1965	VI
	Pickett 71	Mississippi	United States	United States	1971	VI
	Pine Dell Perfection	Virginia	United States	United States	by 1937	VI
	Ralsoy	Pyongyang	North Korea	United States	1940	VI
	Rokusun	Tokyo	Japan	United States	1936	VI
	Rose Non Pop	North Carolina	United States	United States	1942	VI
	Sharkey	Mississippi	United States	United States	1987	VI
	Sohoma	Oklahoma	United States	United States	1978	VI
	Tracy	Mississippi	United States	United States	1973	VI
	TracyaM	Mississippi	United States	United States	1979	VI
	Twiggs	Georgia	United States	United States	1987	VI
	Young	North Carolina	United States	United States	1984	VI
FC 03.659	Da wu don	Hebei	China	China	1920	VI
FC 03.981		Tottori	Japan	Japan	1924	VI
FC 31.665			Unknown	United States	1944	VI
FC 31.700			Unknown	United States	1946	VI
FC 31.709			Unknown	United States	1947	VI
FC 31.745			Unknown	United States	1948	VI
FC 31.933			Unknown	United States	1949	VI
FC 31.935			Unknown	United States	1949	VI
FC 31.943			Unknown	United States	1949	VI
FC 32.175			Unknown	United States	1954	VI
36.906		Liaoning	China	China	1913	VI
54.610		Jilin	China	China	1921	VI
79.825	N154	Heilongjiang	China	China	1929	VI
79.862		Northeast China	China	China	1929	VI
80.468	Tsurunoko daizu	Hokkaido	Japan	Japan	1929	VI
80.476	Sousei o saya eda mame	Tokyo	Japan	Japan	1929	VI
81.037	Kurakake daizu	Hokkaido	Japan	Japan	1929	VI

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PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
82.312	Kitu gunte	Seoul	South Korea	South Korea	1929	VI
85.010	Yagi	Saitama	Japan	Japan	1929	VI
85.465	Y-218	Kyonggi	South Korea	South Korea	1929	VI
85.476	Y-244	Kyonggi	South Korea	South Korea	1929	VI
85.490	Y-269	Kyonggi	South Korea	South Korea	1929	VI
86.091		Hokkaido	Japan	Japan	1930	VI
86.109	Sorachidaizu	Hokkaido	Japan	Japan	1930	VI
86.490	Shirohadaka	Akita	Japan	Japan	1930	VI
86.904	Fukota	Chungchong Puk	South Korea	South Korea	1930	VI
87.968			Unknown	Unknown	1930	VI
88.461	Ohokubi	Unknown	China	China	1930	VI
88.816S	(Hota)	Pyongan Puk	North Korea	North Korea	1930	VI
89.775		Hebei	China	China	1930	VI
90.406		Hebei	China	China	1930	VI
90.495		Beijing	China	China	1930	VI
90.499	Black and White	Hebei	China	China	1930	VI
90.577		Northeast China	China	China	1930	VI
90.768		Beijing	China	China	1930	VI
92.567		Jilin	China	China	1931	VI
92.601		Jilin	China	China	1931	VI
92.707S		Jilin	China	China	1931	VI
94.159	Kiizaya	Kagoshima	Japan	Japan	1931	VI
95.860		Chungchong Nam	South Korea	South Korea	1932	VI
95.969		Kangwon	South Korea	South Korea	1932	VI
96.035		Hwanghae Puk	North Korea	North Korea	1932	VI
96.257		Hamgyong Puk	North Korea	North Korea	1932	VI
96.354		Hamgyong Puk	North Korea	North Korea	1932	VI
97.150		Hwanghae Puk	North Korea	North Korea	1932	VI
97.161		Hwanghae Puk	North Korea	North Korea	1932	VI
148.260	Potchefstroom	Transvaal	South Africa	Indonesia	1944	VI
157.469	Ryucu No. 3	Unknown	Japan	South Korea	1947	VI
157.475	Sedka	Kyonggi	South Korea	South Korea	1947	VI
157.476	Suncheon	Kyonggi	South Korea	South Korea	1947	VI
157.487A	Wellman	Kyonggi	South Korea	South Korea	1947	VI
157.488		Kyonggi	South Korea	South Korea	1947	VI
159.321	41S 31	Transvaal	South Africa	South Africa	1947	VI
159.322	41S 77	Transvaal	South Africa	South Africa	1947	VI
159.923A	Casa Grande	Lima	Peru	Peru	1947	VI
165.672	Kiangning Late	Jiangsu	China	China	1948	VI
165.673	Liuchow A	Jiangsu	China	China	1948	VI
166.147		Bagmati	Nepal	Nepal	1948	VI
170.886		Transvaal	South Africa	South Africa	1948	VI
170.887		Transvaal	South Africa	South Africa	1948	VI
170.888		Transvaal	South Africa	South Africa	1948	VI
170.889		Transvaal	South Africa	South Africa	1948	VI
170.890		Transvaal	South Africa	South Africa	1948	VI
170.891		Transvaal	South Africa	South Africa	1948	VI
170.892		Transvaal	South Africa	South Africa	1948	VI
171.436		Sichuan	China	China	1948	VI
171.437		Sichuan	China	China	1948	VI
171.439		Jiangsu	China	China	1948	VI
171.440		Jiangsu	China	China	1948	VI
171.441		Shaanxi	China	China	1948	VI
171.443		Shaanxi	China	China	1948	VI
171.444		Shaanxi	China	China	1948	VI
174.862		Uttar Pradesh	India	India	1949	VI

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PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
174.863		Uttar Pradesh	India	India	1949	VI
175.174		Uttar Pradesh	India	India	1949	VI
175.187		Uttar Pradesh	India	India	1949	VI
175.189		Uttar Pradesh	India	India	1949	VI
175.192		Uttar Pradesh	India	India	1949	VI
175.193		Uttar Pradesh	India	India	1949	VI
175.194		Uttar Pradesh	India	India	1949	VI
175.195		Uttar Pradesh	India	India	1949	VI
175.196		Uttar Pradesh	India	India	1949	VI
175.198		Uttar Pradesh	India	India	1949	VI
175.199		Uttar Pradesh	India	India	1949	VI
181.556		Unknown	Japan	Japan	1949	VI
181.559		Unknown	Japan	Japan	1949	VI
181.561		Unknown	Japan	Japan	1949	VI
187.156	Urusan	Unknown	Japan	Japan	1950	VI
200.446	Aka saya	Shikoku	Japan	Japan	1952	VI
200.449	Aki daizu 2	Shikoku	Japan	Japan	1952	VII
200.461	Chiya kotsubu	Shikoku	Japan	Japan	1952	VI
200.483	Kari hane 1	Shikoku	Japan	Japan	1952	VI
200.497	Mammoth Brown	Unknown	United States	Japan	1952	VI
200.502	Misao 1	Shikoku	Japan	Japan	1952	VI
200.505	Nagahashi	Shikoku	Japan	Japan	1952	VI
200.553	Zairai duro daizu	Shikoku	Japan	Japan	1952	VI
201.421	Wu kung 32–288	Unknown	China	Australia	1952	VI
201.422	Wu kung 32–547	Unknown	China	Australia	1952	VI
201.428	41S 31	Unknown	Australia	Australia	1952	VI
201.431	45S 95	Unknown	Australia	Australia	1952	VI
205.384		Unknown	Pakistan	Pakistan	1953	VI
208.432		Bagmati	Nepal	Nepal	1953	VI
209.908		Transvaal	South Africa	South Africa	1953	VI
212.604		Nangarhar	Afghanistan	Afghanistan	1954	VI
212.605		Nangarhar	Afghanistan	Afghanistan	1954	VI
212.606		Nangarhar	Afghanistan	Afghanistan	1954	VI
212.716			Unknown	Afghanistan	1954	VI
215.693		Delhi	India	Israel	1954	VI
215.811		Nangarhar	Afghanistan	Afghanistan	1954	VI
219.656		Unknown	Indonesia	Indonesia	1954	VI
219.698	Kulath	Northern Areas	Pakistan	Pakistan	1954	VI
219.732	Kurhe	North-West Frontier	Pakistan	Pakistan	1954	VI
221.713	Blyvoor	Transvaal	South Africa	South Africa	1954	VI
221.714	48S 103	Transvaal	South Africa	South Africa	1954	VI
221.717	51S 54	Transvaal	South Africa	South Africa	1954	VI
221.972	Chakotsubu	Unknown	Japan	Japan	1954	VI
222.397	Kulath	Northern Areas	Pakistan	Pakistan	1954	VI
227.214	Oku mame	Aichi	Japan	Japan	1955	VII
229.320	Ginjiro	Kanto	Japan	Japan	1955	VI
230.974		Unknown	Japan	Japan	1956	VI
230.978		Unknown	Japan	Japan	1956	VI
230.979		Unknown	Japan	Japan	1956	VI
243.526	Ginpaku	Akita	Japan	Japan	1957	VI
253.662		Unknown	China	Netherlands	1958	VI
253.664		Unknown	China	Netherlands	1958	V
283.327	Pingtung Pearl	Unknown	Taiwan	Australia	1962	V
284.815		Unknown	Malaysia	Australia	1962	VI
303.653		Unknown	Nepal	Australia	1965	VI
304.217	Higashiyama 6	Nagano	Japan	Japan	1965	V

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PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
312.222	Mission	Unknown	Hong Kong	Phillipines	1966	VI
319.525	UN 734	Unknown	China	India	1967	VI
319.529	Taitu kaohsiung 1	Unknown	Taiwan	India	1967	VI
319.530	Taitu kaohsiung 3	Unknown	Taiwan	India	1967	VI
319.531	Taitu kaohsiung 5	Unknown	Taiwan	India	1967	VI
324.066	Geduld	Unknown	South Africa	Zimbabwe	1967	VI
340.050		Kyongsang Puk	South Korea	South Korea	1969	VI
341.264		Unknown	Liberia	Liberia	1969	VI
346.301		Unknown	India	India	1969	VI
360.834	Akiyoshi	Unknown	Japan	Canada	1971	VII
360.839	Misaodaizu	Unknown	Japan	Canada	1971	VI
360.851	Yukikoragashi	Unknown	Japan	Canada	1971	VII
365.426	Mothi	North-West Frontier	Pakistan	Pakistan	1971	VI
366.036		Unknown	Argentina	Argentina	1971	VI
368.037	Nungshih 64–91	Unknown	Taiwan	Taiwan	1971	VI
368.038	Tainung 3	Unknown	Taiwan	Taiwan	1971	VI
368.039	Tainung 4	Unknown	Taiwan	Taiwan	1971	VI
371.607	Red China PB 1	Unknown	Pakistan	Pakistan	1972	VI
371.609	Red China VV 3	Unknown	Pakistan	Pakistan	1972	VI
371.612		Unknown	Pakistan	Pakistan	1972	V
374.220	Geduld	Transvaal	South Africa	South Africa	1972	VI
374.221	Welkom	Transvaal	South Africa	South Africa	1972	VI
377.575	K.S. 167	Unknown	Taiwan	Thailand	1973	VI
377.576	K.S. 252	Unknown	Taiwan	Thailand	1973	VI
377.577	S.J. 1	Lampang	Thailand	Thailand	1973	VI
379.620	TC 3	Unknown	Taiwan	Taiwan	1973	VI
379.621	R 10	Unknown	Taiwan	Taiwan	1973	VI
379.622	P 156	Unknown	Taiwan	Taiwan	1973	VI
381.679	Kawanda 20	Unknown	Uganda	Uganda	1973	VI
381.683	S36	Unknown	Uganda	Uganda	1973	VI
398.192		Seoul	South Korea	South Korea	1975	VI
398.194		Seoul	South Korea	South Korea	1975	VI
398.220		Seoul	South Korea	South Korea	1975	VI
398.254		Kyonggi	South Korea	South Korea	1975	VI
398.292		Kyonggi	South Korea	South Korea	1975	VI
398.332		Kangwon	South Korea	South Korea	1975	VI
398.361		Kangwon	South Korea	South Korea	1975	VI
398.372	IR 4791–89	Kangwon	South Korea	South Korea	1975	VI
398.469		Kangwon	South Korea	South Korea	1975	VI
398.473		Kangwon	South Korea	South Korea	1975	VI
398.479		Kangwon	South Korea	South Korea	1975	VI
398.556		Chungchong Puk	South Korea	South Korea	1975	VI
398.557		Chungchong Puk	South Korea	South Korea	1975	VI
398.570		Chungchong Puk	South Korea	South Korea	1975	VI
398.575		Chungchong Puk	South Korea	South Korea	1975	VI
398.578		Chungchong Puk	South Korea	South Korea	1975	VI
398.580		Chungchong Puk	South Korea	South Korea	1975	VI
398.592		Chungchong Puk	South Korea	South Korea	1975	VI
398.598		Chungchong Puk	South Korea	South Korea	1975	VI
398.606		Chungchong Puk	South Korea	South Korea	1975	VI
398.611		Chungchong Puk	South Korea	South Korea	1975	VI
398.635		Chungchong Puk	South Korea	South Korea	1975	VI
398.646		Chungchong Puk	South Korea	South Korea	1975	VI
398.648		Chungchong Puk	South Korea	South Korea	1975	VI
398.718		Chungchong Nam	South Korea	South Korea	1975	VI
398.719		Chungchong Nam	South Korea	South Korea	1975	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
398.721		Chungchong Nam	South Korea	South Korea	1975	VI
398.724		Chungchong Nam	South Korea	South Korea	1975	VI
398.729		Chungchong Nam	South Korea	South Korea	1975	VI
398.731		Chungchong Nam	South Korea	South Korea	1975	VI
398.732		Chungchong Nam	South Korea	South Korea	1975	VI
398.734		Chungchong Nam	South Korea	South Korea	1975	VI
398.736		Chungchong Nam	South Korea	South Korea	1975	VI
398.742		Chungchong Nam	South Korea	South Korea	1975	VI
398.769		Chungchong Nam	South Korea	South Korea	1975	VI
398.771		Chungchong Nam	South Korea	South Korea	1975	VI
398.781		Chungchong Nam	South Korea	South Korea	1975	VI
398.789		Chungchong Nam	South Korea	South Korea	1975	VI
398.794		Chungchong Nam	South Korea	South Korea	1975	VI
398.817		Chungchong Nam	South Korea	South Korea	1975	VI
398.824		Chungchong Nam	South Korea	South Korea	1975	VI
398.826		Chungchong Nam	South Korea	South Korea	1975	VI
398.827		Chungchong Nam	South Korea	South Korea	1975	VI
398.850		Chungchong Nam	South Korea	South Korea	1975	VI
398.853		Chungchong Nam	South Korea	South Korea	1975	VI
398.896		Kangwon	South Korea	South Korea	1975	VI
398.925		Chungchong Nam	South Korea	South Korea	1975	VI
398.945		Cholla Nam	South Korea	South Korea	1975	VI
398.950		Cholla Nam	South Korea	South Korea	1975	VI
398.952		Cholla Nam	South Korea	South Korea	1975	VI
398.956		Cholla Nam	South Korea	South Korea	1975	VI
398.966		Cholla Nam	South Korea	South Korea	1975	VI
398.967		Cholla Nam	South Korea	South Korea	1975	VI
398.973		Cholla Nam	South Korea	South Korea	1975	VI
398.978		Kyongsang Puk	South Korea	South Korea	1975	VI
398.983		Kyongsang Puk	South Korea	South Korea	1975	VI
398.998		Kyongsang Nam	South Korea	South Korea	1975	VI
398.999		Kyongsang Nam	South Korea	South Korea	1975	VI
399.041		Cheju	South Korea	South Korea	1975	VI
399.047		Kyonggi	South Korea	South Korea	1975	VI
399.048		Kyonggi	South Korea	South Korea	1975	VI
399.049		Kyonggi	South Korea	South Korea	1975	VI
399.053		Kangwon	South Korea	South Korea	1975	VI
399.061		Kangwon	South Korea	South Korea	1975	VI
399.087		Cholla Puk	South Korea	South Korea	1975	VI
399.088		Cholla Puk	South Korea	South Korea	1975	VI
399.090		Cholla Puk	South Korea	South Korea	1975	VI
399.102		Cholla Puk	South Korea	South Korea	1975	VI
399.104		Cholla Puk	South Korea	South Korea	1975	VI
407.738		Shaanxi	China	China	1976	VI
407.743		Jiangsu	China	China	1976	VI
407.744		Jiangsu	China	China	1976	VI
407.771		Chungchong Puk	South Korea	South Korea	1976	VI
407.781C		Seoul	South Korea	South Korea	1976	VI
407.801		Kyonggi	South Korea	South Korea	1976	VI
407.839–2		Chungchong Nam	South Korea	South Korea	1976	VI
407.868C		Cholla Puk	South Korea	South Korea	1976	VI
407.872B		Cholla Puk	South Korea	South Korea	1976	VI
407.898B		Cholla Puk	South Korea	South Korea	1976	VI
407.937–2		Cholla Puk	South Korea	South Korea	1976	VI
407.945		Cholla Puk	South Korea	South Korea	1976	VI
407.946–1		Cholla Puk	South Korea	South Korea	1976	VI

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PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
407.964		Cholla Nam	South Korea	South Korea	1976	VI
407.967		Cholla Nam	South Korea	South Korea	1976	VI
407.969		Cholla Nam	South Korea	South Korea	1976	VI
407.997		Cholla Nam	South Korea	South Korea	1976	VI
408.007		Cholla Nam	South Korea	South Korea	1976	VI
408.030		Cholla Nam	South Korea	South Korea	1976	VI
408.043		Cholla Nam	South Korea	South Korea	1976	VI
408.044		Cholla Nam	South Korea	South Korea	1976	VI
408.061		Kyongsang Puk	South Korea	South Korea	1976	VI
408.067B		Kyongsang Puk	South Korea	South Korea	1976	VI
408.085		Kyongsang Puk	South Korea	South Korea	1976	VI
408.092C		Kyongsang Puk	South Korea	South Korea	1976	VI
408.101		Kyongsang Puk	South Korea	South Korea	1976	VI
408.109B		Kyongsang Puk	South Korea	South Korea	1976	VI
408.169C		Kyongsang Puk	South Korea	South Korea	1976	VI
408.184B		Kyongsang Puk	South Korea	South Korea	1976	VI
408.191B		Kyongsang Puk	South Korea	South Korea	1976	VI
408.240		Kyongsang Nam	South Korea	South Korea	1976	VI
408.241		Kyongsang Nam	South Korea	South Korea	1976	VI
408.253		Kyongsang Nam	South Korea	South Korea	1976	VI
408.254		Kyongsang Nam	South Korea	South Korea	1976	VI
408.257		Kyongsang Nam	South Korea	South Korea	1976	VI
408.259B		Kyongsang Nam	South Korea	South Korea	1976	VI
408.265C		Kyongsang Nam	South Korea	South Korea	1976	VI
408.266		Kyongsang Nam	South Korea	South Korea	1976	VI
408.269C		Kyongsang Nam	South Korea	South Korea	1976	VI
408.276		Kyongsang Nam	South Korea	South Korea	1976	VI
408.296B		Kyongsang Nam	South Korea	South Korea	1976	VI
408.318B		Kyongsang Nam	South Korea	South Korea	1976	VI
408.332B		Kyongsang Nam	South Korea	South Korea	1976	VI
408.340		Cheju	South Korea	South Korea	1976	VI
408.342		Cheju	South Korea	South Korea	1976	VI
416.754	Aisa	Kanto	Japan	Japan	1977	VI
416.760	Akagi shita	Kanto	Japan	Japan	1977	VI
416.766	Akasaya 3	Tohoku	Japan	Japan	1977	VI
416.767	Akasaya (Aomori)	Hokuriku	Japan	Japan	1977	VI
416.781	Akiyoski shiro daizu	Kanto	Japan	Japan	1977	VI
416.787	Ao baka	Tohoku	Japan	Japan	1977	VI
416.790	Ao daizu	Kanto	Japan	Japan	1977	VI
416.794	Aogin	Kanto	Japan	Japan	1977	VI
416.796	Aohata	Tohoku	Japan	Japan	1977	VI
416.798	Aokari 6	Tohoku	Japan	Japan	1977	VI
416.809	Ban komame 1	Tohoku	Japan	Japan	1977	VI
416.812	Bansei cha shouryuu	Tohoku	Japan	Japan	1977	VI
416.848	Chuu yeppou	Tokai	Japan	Japan	1977	VI
416.876	Gankui 3	Tohoku	Japan	Japan	1977	VI
416.885	Ginjiro (Nagano)	Kanto	Japan	Japan	1977	VI
416.895	Hachirihan	Tohoku	Japan	Japan	1977	VI
416.903	Hakkei 10	Tohoku	Japan	Japan	1977	VI
416.907	Hana shirazu	Kanto	Japan	Japan	1977	VI
416.912	Hato koroshi B	Tohoku	Japan	Japan	1977	VI
416.922	Hikage mame	Tohoku	Japan	Japan	1977	VI
416.924	Hina daizu	Kanto	Japan	Japan	1977	VI
416.925	Hiroshima shiro daizu	Tohoku	Japan	Japan	1977	VI
416.932	Horikoshi	Kanto	Japan	Japan	1977	VI
416.933	Horikoshi daizu	Kanto	Japan	Japan	1977	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
416.937	Houjaku kuwazu	Kanto	Japan	Japan	1977	VI
416.951	Imada daizu	Kanto	Japan	Japan	1977	VI
416.955	Ishitsutsumi (Toyama)	Hokuriku	Japan	Japan	1977	VI
416.969	Kaburekara	Tohoku	Japan	Japan	1977	VI
417.011	Kari mame	Tohoku	Japan	Japan	1977	VI
417.038	Kinoshita mame	Tohoku	Japan	Japan	1977	VI
417.083	Kuma	Tohoku	Japan	Japan	1977	VI
417.097	Kurobe gin	Kanto	Japan	Japan	1977	VI
417.164	Mochi mame (zairai)	Hokuriku	Japan	Japan	1977	VI
417.181	Nagon	Tohoku	Japan	Japan	1977	VI
417.188	Nattou mame	Tohoku	Japan	Japan	1977	VI
417.194	Niban daizu	Kyushu	Japan	Japan	1977	VI
417.197	Niwa mame	Tohoku	Japan	Japan	1977	VI
417.203	Odagiri aairai	Kanto	Japan	Japan	1977	VI
417.204	Ogura daizu	Kanto	Japan	Japan	1977	VI
417.212	Oni akasaya	Tohoku	Japan	Japan	1977	VI
417.213	Oohama	Hokuriku	Japan	Japan	1977	VI
417.216	Oojiro 1	Tohoku	Japan	Japan	1977	VI
417.220	Oomoto mame	Tohoku	Japan	Japan	1977	VI
417.221	Oono zairai (B)	Chugoku	Japan	Japan	1977	VI
417.223	Oonuki zairaishu	Tohoku	Japan	Japan	1977	VI
417.224	Ooshika daizu	Kanto	Japan	Japan	1977	VI
417.256	Rikuu 29	Tohoku	Japan	Japan	1977	VI
417.266	Sangokutori	Kanto	Japan	Japan	1977	VI
417.267	Sangokutori (Yamagata)	Tohoku	Japan	Japan	1977	VI
417.310	Shiro aki daizu	Kanto	Japan	Japan	1977	VI
417.330	Shironeko sen	Kanto	Japan	Japan	1977	VI
417.357	Taihei	Tohoku	Japan	Japan	1977	VI
417.358	Tairyuu tsurunoko daizu	Kanto	Japan	Japan	1977	VI
417.375	Tanoiri daizu	Kanto	Japan	Japan	1977	VI
417.376	Tanokuro daizu	Kanto	Japan	Japan	1977	VI
417.378	Tansen 45	Tohoku	Japan	Japan	1977	VI
417.405	Tousan 13	Kanto	Japan	Japan	1977	VI
417.406	Tousan 18	Kanto	Japan	Japan	1977	VI
417.407	Tousan 19	Kanto	Japan	Japan	1977	VI
417.408	Tousan 21	Kanto	Japan	Japan	1977	VI
417.409	Tousan 22	Kanto	Japan	Japan	1977	VI
417.410	Tousan 23	Kanto	Japan	Japan	1977	VI
417.416	Tousan 36	Kanto	Japan	Japan	1977	VI
417.421	Tousan kei A319	Kanto	Japan	Japan	1977	VI
417.422	Tousan kei A634	Kanto	Japan	Japan	1977	VI
417.427	Tousan kei C331	Kanto	Japan	Japan	1977	VI
417.444	Wakisuke 1	Kanto	Japan	Japan	1977	VI
417.469	Yamabe daizu	Kanto	Japan	Japan	1977	VI
417.473	Yatsu mame 6	Kanto	Japan	Japan	1977	VI
417.477	Yorisuke mame	Tohoku	Japan	Japan	1977	VI
417.490	Zairaishu 2	Kanto	Japan	Japan	1977	VI
417.503	Pioneira	Unknown	Brazil	Japan	1977	VI
417.561	48S 103 DL/63/180	Transvaal	South Africa	Japan	1977	VI
417.562	54S 30 DL/64/185	Transvaal	South Africa	Japan	1977	VI
417.563	Dalat B	Unknown	Vietnam	Japan	1977	VI
423.736B		Kyonggi	South Korea	South Korea	1978	VI
423.755		Kangwon	South Korea	South Korea	1978	VI
423.780		Kangwon	South Korea	South Korea	1978	VI
423.821		Chungchong Nam	South Korea	South Korea	1978	VI
423.822		Chungchong Nam	South Korea	South Korea	1978	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
423.831		Chungchong Puk	South Korea	South Korea	1978	VI
423.849		Chungchong Puk	South Korea	South Korea	1978	VI
423.852		Cholla Puk	South Korea	South Korea	1978	VI
423.853		Cholla Puk	South Korea	South Korea	1978	VI
423.859		Kyongsang Nam	South Korea	South Korea	1978	VI
423.861		Kyongsang Nam	South Korea	South Korea	1978	VI
423.878	Chudeppo	Akita	Japan	Japan	1978	VI
423.879	Chudeppo	Akita	Japan	Japan	1978	VII
423.895	Taihaku 1	Akita	Japan	Japan	1978	VI
423.898	Tsurunotamago (Aomori)	Akita	Japan	Japan	1978	VI
423.900	Aisa	Nagano	Japan	Japan	1978	VI
423.905	Gin daizu	Nagano	Japan	Japan	1978	VI
423.907	Hakuhou 6	Nagano	Japan	Japan	1978	VI
423.916	Ooshika daizu	Nagano	Japan	Japan	1978	VI
423.918	Sado mame	Nagano	Japan	Japan	1978	VI
423.921	Shirotae	Nagano	Japan	Japan	1978	VI
423.925	Tatsuno zairai	Nagano	Japan	Japan	1978	VI
423.930B	(Wase hadaka)	Nagano	Japan	Japan	1978	VI
423.931	Yamabe daizu	Nagano	Japan	Japan	1978	VI
423.964	Kudao zairai	Kumamoto	Japan	Japan	1978	VII
423.965	Kumadaizu	Kumamoto	Japan	Japan	1978	VI
423.969	Ono zairai	Kumamoto	Japan	Japan	1978	VI
423.978	Tamanishiki	Akita	Japan	Japan	1978	VI
423.986	Akasaya (Toyama)	Kumamoto	Japan	Japan	1978	VI
424.139		Kyongsang Puk	South Korea	South Korea	1978	VI
424.142		Kyongsang Puk	South Korea	South Korea	1978	VI
424.145		Kyongsang Puk	South Korea	South Korea	1978	VI
424.146		Kyongsang Puk	South Korea	South Korea	1978	VI
424.147		Kyongsang Puk	South Korea	South Korea	1978	VI
424.156B		Kyongsang Nam	South Korea	South Korea	1978	VI
424.157A		Kyongsang Nam	South Korea	South Korea	1978	VI
424.157B		Kyongsang Nam	South Korea	South Korea	1978	VI
424.161		Kyongsang Nam	South Korea	South Korea	1978	VI
424.163		Kyongsang Nam	South Korea	South Korea	1978	VI
424.164B		Kyongsang Nam	South Korea	South Korea	1978	VI
424.172B		Kyongsang Puk	South Korea	South Korea	1978	VI
424.172C		Kyongsang Puk	South Korea	South Korea	1978	VI
424.174		Kyongsang Puk	South Korea	South Korea	1978	VI
424.178C		Kyongsang Puk	South Korea	South Korea	1978	VI
424.182B		Kyongsang Puk	South Korea	South Korea	1978	VI
424.185		Kyongsang Puk	South Korea	South Korea	1978	VI
424.304		Chungchong Puk	South Korea	South Korea	1978	VI
424.337-2		Chungchong Nam	South Korea	South Korea	1978	VI
424.360		Chungchong Nam	South Korea	South Korea	1978	VI
424.361		Chungchong Nam	South Korea	South Korea	1978	VI
424.371		Chungchong Nam	South Korea	South Korea	1978	VI
424.375		Chungchong Nam	South Korea	South Korea	1978	VI
424.391		Cholla Puk	South Korea	South Korea	1978	VI
424.416		Cholla Nam	South Korea	South Korea	1978	VI
424.433		Cholla Nam	South Korea	South Korea	1978	VI
424.434		Cholla Nam	South Korea	South Korea	1978	VI
424.437		Cholla Nam	South Korea	South Korea	1978	VI
424.438		Cholla Nam	South Korea	South Korea	1978	VI
424.442		Cholla Nam	South Korea	South Korea	1978	VI
424.447		Cholla Nam	South Korea	South Korea	1978	VI
424.453		Cholla Nam	South Korea	South Korea	1978	VI

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PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
424.456		Cholla Nam	South Korea	South Korea	1978	VI
424.461		Cholla Puk	South Korea	South Korea	1978	VI
424.464		Cholla Puk	South Korea	South Korea	1978	VI
424.473		Cheju	South Korea	South Korea	1978	VI
424.478		Kyongsang Nam	South Korea	South Korea	1978	VI
424.501		Kyongsang Nam	South Korea	South Korea	1978	VI
424.502		Kyongsang Nam	South Korea	South Korea	1978	VI
424.534		Kyongsang Nam	South Korea	South Korea	1978	VI
424.591		Kyongsang Puk	South Korea	South Korea	1978	VI
424.594		Kyongsang Puk	South Korea	South Korea	1978	VI
424.595		Kyongsang Puk	South Korea	South Korea	1978	VI
427.241		Karnali	Nepal	Nepal	1978	VI
430.600C	(Ta li huang)	Fujian	China	China	1978	VI
437.667	Jan czou sa dou	Unknown	China	Russia	1980	VI
437.708	Sjao li hej dou	Unknown	China	Russia	1980	VI
437.726	Ti jue baj	Unknown	China	Russia	1980	VI
437.730	Tsundaj NS	Unknown	China	Russia	1980	VI
438.280	Hakuko	Unknown	Japan	Russia	1980	VI
438.284	Oonozairai A	Unknown	Japan	Russia	1980	VII
438.342	Laredo J 767	Unknown	Argentina	Russia	1980	VI
438.426		Unknown	India	Russia	1980	VI
438.431		Unknown	Israel	Russia	1980	VI
438.438		Unknown	Nepal	Russia	1980	VI
458.122		Chungchong Nam	South Korea	South Korea	1981	VI
458.155		Chungchong Puk	South Korea	South Korea	1981	VI
458.187		Cholla Nam	South Korea	South Korea	1981	VI
458.206		Cholla Puk	South Korea	South Korea	1981	VI
458.210		Cholla Nam	South Korea	South Korea	1981	VI
458.212		Cholla Nam	South Korea	South Korea	1981	VI
458.213		Cholla Nam	South Korea	South Korea	1981	VI
458.220		Cholla Nam	South Korea	South Korea	1981	VI
458.228		Cholla Nam	South Korea	South Korea	1981	VI
458.241		Cholla Nam	South Korea	South Korea	1981	VI
458.243		Cholla Nam	South Korea	South Korea	1981	VI
458.251		Cholla Nam	South Korea	South Korea	1981	VI
458.257		Cholla Nam	South Korea	South Korea	1981	VI
464.932	493–1	Jiangsu	China	China	1982	VI
468.130	Mutti Swat	Unknown	Pakistan	Pakistan	1982	VI
468.131	Tora Kurklia	Unknown	Pakistan	Pakistan	1982	VI
468.964	Coc chum	(north)	Vietnam	Vietnam	1982	VI
468.966	DH 4	Guangdong	China	Vietnam	1982	VI
471.903	Lokon	West Java	Indonesia	Indonesia	1982	VI
471.927		Unknown	Nepal	Japan	1982	VI
471.940		Unknown	Nepal	Japan	1982	VI
476.885	Chi thao matnau	(north)	Vietnam	Vietnam	1983	VI
476.897	Hoa an	(north)	Vietnam	Vietnam	1983	VI
476.900	Hoa tuyen	(north)	Vietnam	Vietnam	1983	VI
476.907	Qui hop	(north)	Vietnam	Vietnam	1983	VI
476.916	Trung quoc	Unknown	China	Vietnam	1983	VI
476.918	Trung quoc xanh a	Unknown	China	Vietnam	1983	VI
476.925	Vang moc chau	(north)	Vietnam	Vietnam	1983	VI
476.930	Xanh bac ha	(north)	Vietnam	Vietnam	1983	VI
476.934	Chi thao	Bac giang	Vietnam	Vietnam	1983	VI
486.335	Shilajeet	Unknown	India	India	1985	VI
494.181	Jitsuka	Unknown	Japan	Japan	1985	VI
494.851		Northwestern	Zambia	Zambia	1985	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
504.507	Sathiya	Unknown	Nepal	Taiwan	1986	VI
506.471		Kanto	Japan	Japan	1987	VI
506.473		Hokuriku	Japan	Japan	1987	VI
506.483	Agatsuma zairai	Kanto	Japan	Japan	1987	VI
506.484	Ai mame	Hokuriku	Japan	Japan	1987	VI
506.486	Aka daizu	Kanto	Japan	Japan	1987	VI
506.493	Akasaya	Kinki	Japan	Japan	1987	VI
506.494	Akasaya	Chugoku	Japan	Japan	1987	VI
506.495	Akasaya daizu	Kanto	Japan	Japan	1987	VI
506.496	Akasaya (Fukui)	Kanto	Japan	Japan	1987	VI
506.497	Akasaya (Ibaragi)	Kanto	Japan	Japan	1987	VI
506.500	Akasaya (Mejiro)	Kanto	Japan	Japan	1987	VI
506.501	Akasaya (Yamaguchi)	Chugoku	Japan	Japan	1987	VI
506.502	Akasaya (Zakouji)	Kanto	Japan	Japan	1987	VI
506.503	Aki daizu	Hokuriku	Japan	Japan	1987	VI
506.505	Aki daizu	Kanto	Japan	Japan	1987	VI
506.513	Akishiro	Kanto	Japan	Japan	1987	VI
506.514	Akishirome	Kyushu	Japan	Japan	1987	VI
506.531	Ao batsu	Kanto	Japan	Japan	1987	VI
506.533	Ao chouhin 2	Kanto	Japan	Japan	1987	VI
506.534	Ao chouhin 3	Kanto	Japan	Japan	1987	VI
506.536	Ao chouhin 5	Kanto	Japan	Japan	1987	VI
506.537	Ao chouhin 6 (Murasaki bana)	Kanto	Japan	Japan	1987	VI
506.539	Ao chouhin 7	Kanto	Japan	Japan	1987	VI
506.540	Ao chouhin 8	Kanto	Japan	Japan	1987	VI
506.543	Ao chouhin 11	Kanto	Japan	Japan	1987	VI
506.544	Ao chouhin 12	Kanto	Japan	Japan	1987	VI
506.545	Ao chouhin 13	Kanto	Japan	Japan	1987	VI
506.546	Ao chouhin 14	Kanto	Japan	Japan	1987	VI
506.551	Ao chouhin 17	Tohoku	Japan	Japan	1987	VI
506.554	Ao daizu (G)	Kanto	Japan	Japan	1987	VI
506.559	Ao ko mame	Kanto	Japan	Japan	1987	VI
506.561	Ao mame	Tohoku	Japan	Japan	1987	VI
506.564	Ao sengoku	Kanto	Japan	Japan	1987	VI
506.566	Aobata mame	Tohoku	Japan	Japan	1987	VI
506.567	Aobata (2)	Tohoku	Japan	Japan	1987	VI
506.568	Aobata (3)	Tohoku	Japan	Japan	1987	VI
506.569	Aogari	Tohoku	Japan	Japan	1987	VI
506.571	Aohata komame (Gengen)	Tohoku	Japan	Japan	1987	VI
506.577	Asa ao	Kanto	Japan	Japan	1987	VI
506.578	Asahi	Hokuriku	Japan	Japan	1987	VI
506.580	Asahi	Hokuriku	Japan	Japan	1987	VI
506.584	Asakii mame	Kanto	Japan	Japan	1987	VI
506.585A	Aso 1 (Kyuu)	Hokuriku	Japan	Japan	1987	VI
506.589	Bansei 30	Kyushu	Japan	Japan	1987	VI
506.604	Chino zairai (2)	Kanto	Japan	Japan	1987	VI
506.606	Chino zairai (4)	Kanto	Japan	Japan	1987	VI
506.611	Chougetsu	Tohoku	Japan	Japan	1987	VI
506.612	Chouhin hitashi 1	Kanto	Japan	Japan	1987	VI
506.613	Chouhin hitashi 2	Kanto	Japan	Japan	1987	VI
506.614	Chouhin hitashi 3	Kanto	Japan	Japan	1987	VI
506.615	Chouhin hitashi 4	Kanto	Japan	Japan	1987	VI
506.617	Chouhin hitashi 6	Kanto	Japan	Japan	1987	VI
506.619	Chouhin hitashi 8	Kanto	Japan	Japan	1987	VI
506.621	Chouhin hitashi 10	Kanto	Japan	Japan	1987	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
506.622	Chouhin hitashi 11	Kanto	Japan	Japan	1987	VI
506.624	Chouhin hitashi 13	Kanto	Japan	Japan	1987	VI
506.628	Chouhin hitashi 17	Kanto	Japan	Japan	1987	VI
506.640	Chuusei 11	Kinki	Japan	Japan	1987	VI
506.643	Col/Tokushima/1967	Shikoku	Japan	Japan	1987	VI
506.644	Col/Tokushima/1967	Shikoku	Japan	Japan	1987	VI
506.648	Daiichi hienuki	Tohoku	Japan	Japan	1987	VI
506.649	Daiichi hienuki 1–2	Kanto	Japan	Japan	1987	VI
506.650	Daiichi hienuki 4–3	Kanto	Japan	Japan	1987	VI
506.653	Daikokou	Kanto	Japan	Japan	1987	VI
506.656	Daizu B	Tohoku	Japan	Japan	1987	VI
506.664	Dekisugi 1	Kinki	Japan	Japan	1987	VI
506.667	Fuesukibii III	Kyushu	Japan	Japan	1987	VI
506.670	Fujimi zairai	Kanto	Japan	Japan	1987	VI
506.675	Fukuyutaka	Kyushu	Japan	Japan	1987	VI
506.687	Ginjiro	Kanto	Japan	Japan	1987	VI
506.689	Ginjiro	Kanto	Japan	Japan	1987	VI
506.691	Ginjiro	Kanto	Japan	Japan	1987	VI
506.695	Gogaku	Kyushu	Japan	Japan	1987	VI
506.702	Hachigatsu daizu	Shikoku	Japan	Japan	1987	VI
506.704	Hachigatsu mame	Kanto	Japan	Japan	1987	VI
506.706	Hachihei mame	Kanto	Japan	Japan	1987	VI
506.708	Hachiri han	Kanto	Japan	Japan	1987	VI
506.712	Hagen daizu	Kanto	Japan	Japan	1987	VI
506.714	Hakkou	Kanto	Japan	Japan	1987	VI
506.719	Hana shirazu	Shikoku	Japan	Japan	1987	VI
506.725	Hasemura zairai	Kanto	Japan	Japan	1987	VI
506.736	Higashikanai mame 2	Tohoku	Japan	Japan	1987	VI
506.739	Hikage shirazu	Kanto	Japan	Japan	1987	VI
506.740	Hikari	Kanto	Japan	Japan	1987	VI
506.741	Hikari (Gunma)	Tohoku	Japan	Japan	1987	VI
506.742	Hime daizu	Tokai	Japan	Japan	1987	VI
506.743	Hinshumei fushou	Kanto	Japan	Japan	1987	VI
506.747	Hirose kuro daizu	Chugoku	Japan	Japan	1987	VI
506.748	Hiroshima kuro daizu	Kanto	Japan	Japan	1987	VI
506.750	Hitashi mame	Kanto	Japan	Japan	1987	VI
506.753	Hitashi mame 2	Kanto	Japan	Japan	1987	VI
506.754	Hitori musume (Edamame)	Unknown	Japan	Japan	1987	VI
506.761	Houjaku	Kanto	Japan	Japan	1987	VI
506.763	Houzya kuwazu	Kanto	Japan	Japan	1987	VI
506.768	Ichita zairai	Kanto	Japan	Japan	1987	VI
506.772	Iiyama zairai	Kanto	Japan	Japan	1987	VI
506.773	Iizaka	Tohoku	Japan	Japan	1987	VI
506.775	Ike 27	Kanto	Japan	Japan	1987	VI
506.776	Ike daizu	Kanto	Japan	Japan	1987	VI
506.777	Ikki	Tohoku	Japan	Japan	1987	VI
506.778	Ina zairai (Nori mame)	Kanto	Japan	Japan	1987	VI
506.786	Ishitsutsumi	Hokuriku	Japan	Japan	1987	VI
506.792	Iwa A 2	Tohoku	Japan	Japan	1987	VI
506.793	Iwa A 4	Tohoku	Japan	Japan	1987	VII
506.795	Iwa A–3 (Shiro bana)	Tohoku	Japan	Japan	1987	VI
506.796	Iwa hachi	Kanto	Japan	Japan	1987	VI
506.798	Iwahin hitashi 2	Tohoku	Japan	Japan	1987	VI
506.802	Iwahin kuro 5	Tohoku	Japan	Japan	1987	VI
506.822	Kairyou aisa	Kanto	Japan	Japan	1987	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
506.828	Kamifukuzawa zairai (2)	Kanto	Japan	Japan	1987	VI
506.871	Kashimadai zairaishu	Tohoku	Japan	Japan	1987	VI
506.878	Keitou daizu	Tohoku	Japan	Japan	1987	VI
506.884	Kinako mame	Kanto	Japan	Japan	1987	VI
506.885	Kinako mame	Tohoku	Japan	Japan	1987	VI
506.886	Kinako mame (zairai)	Hokuriku	Japan	Japan	1987	VI
506.888	Kinkazan	Kanto	Japan	Japan	1987	VI
506.902	Kitatominaga	Kinki	Japan	Japan	1987	VI
506.904	Ko daizu	Shikoku	Japan	Japan	1987	VI
506.905	Ko hachigatsu 14	Tohoku	Japan	Japan	1987	VI
506.907	Kobamaki zairai (Y)	Kanto	Japan	Japan	1987	VI
506.908	Kodane	Tokai	Japan	Japan	1987	VI
506.910	Koguro daizu	Kanto	Japan	Japan	1987	VI
506.921	Kosa mame	Kanto	Japan	Japan	1987	VI
506.922	Kosa shirazu	Kanto	Japan	Japan	1987	VI
506.926	Kotakeshu	Kanto	Japan	Japan	1987	VI
506.939	Koukei 202	Kyushu	Japan	Japan	1987	VI
506.946	Kuma daizu	Shikoku	Japan	Japan	1987	VI
506.948	Kurakake	Kanto	Japan	Japan	1987	VI
506.950	Kurashina bansei daizu	Kanto	Japan	Japan	1987	VI
506.952	Kuro chouhin 1	Kanto	Japan	Japan	1987	VI
506.953	Kuro chouhin 2	Kanto	Japan	Japan	1987	VI
506.955	Kuro chouhin 4	Kanto	Japan	Japan	1987	VI
506.956	Kuro chouhin 5	Kanto	Japan	Japan	1987	VI
506.962	Kuro chouhin 11	Kanto	Japan	Japan	1987	VI
506.964	Kuro chouhin 13	Kanto	Japan	Japan	1987	VI
506.965	Kuro chouhin 14	Kanto	Japan	Japan	1987	VI
506.966	Kuro chouhin 15	Kanto	Japan	Japan	1987	VI
506.967	Kuro chouhin 17	Kanto	Japan	Japan	1987	VI
506.968	Kuro chouhin 18	Kanto	Japan	Japan	1987	VI
506.970	Kuro chouhin 20	Kanto	Japan	Japan	1987	VI
506.971	Kuro chouhin 21	Kanto	Japan	Japan	1987	VI
506.972	Kuro chouhin 22	Kanto	Japan	Japan	1987	VI
506.974	Kuro chouhin 23B	Kanto	Japan	Japan	1987	VI
506.976	Kuro chouhin 25	Kanto	Japan	Japan	1987	VI
506.978	Kuro chouhin 28	Kanto	Japan	Japan	1987	VI
506.979	Kuro chouhin 29 (G)	Kanto	Japan	Japan	1987	VI
506.980	Kuro chouhin 29 (Y)	Kanto	Japan	Japan	1987	VI
506.984	Kuro chouhin 33	Kanto	Japan	Japan	1987	VI
506.991	Kuro hitashimame	Kanto	Japan	Japan	1987	VI
506.996	Kurohira	Tohoku	Japan	Japan	1987	VI
507.001	Kurozaya sanbongi	Kanto	Japan	Japan	1987	VI
507.003	Kyuushuu 18	Kyushu	Japan	Japan	1987	VI
507.006	Kyuushuu 38	Kyushu	Japan	Japan	1987	VI
507.007	Kyuushuu 39	Kyushu	Japan	Japan	1987	VI
507.009	Kyuushuu 43	Kyushu	Japan	Japan	1987	VI
507.011	Kyuushuu 50	Kyushu	Japan	Japan	1987	VI
507.012	Kyuushuu 51	Kyushu	Japan	Japan	1987	VI
507.030	Meguro	Kanto	Japan	Japan	1987	VI
507.036	Mennai zairai	Kanto	Japan	Japan	1987	VI
507.037	Mibu zairai	Kanto	Japan	Japan	1987	VI
507.044	Misato zairai	Kanto	Japan	Japan	1987	VI
507.049	Mitsu mame	Tohoku	Japan	Japan	1987	VI
507.050	Mitsu mame (A)	Tohoku	Japan	Japan	1987	VI
507.057	Mochiderakei	Kanto	Japan	Japan	1987	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
507.068	Nagano zairai (Yamaguchi)	Kyushu	Japan	Japan	1987	VI
507.069	Nagaoka	Kanto	Japan	Japan	1987	VI
507.070	Nagaoka tairyuu	Kanto	Japan	Japan	1987	VI
507.074	Nakajou zairai	Kanto	Japan	Japan	1987	VI
507.078	Nakasato zairai (E)	Kanto	Japan	Japan	1987	VI
507.084	Nangyo zairai	Hokuriku	Japan	Japan	1987	VI
507.085	Narisuke	Kinki	Japan	Japan	1987	VI
507.088	Nattou kotsubu	Kanto	Japan	Japan	1987	VI
507.099	Niwa mame	Tohoku	Japan	Japan	1987	VI
507.103	Nouken 5	Tohoku	Japan	Japan	1987	VI
507.105	Obikiri	Kanto	Japan	Japan	1987	VI
507.109	Ogawa zairai (1)	Kanto	Japan	Japan	1987	VI
507.110	Ogawa zairai (2)	Kanto	Japan	Japan	1987	VI
507.111	Ogawa zairai (3)	Kanto	Japan	Japan	1987	VI
507.112	Ogawa zairai (4)	Kanto	Japan	Japan	1987	VI
507.113	Ogawa zairai (5)	Kanto	Japan	Japan	1987	VI
507.114	Ogawa zairai (6)	Kanto	Japan	Japan	1987	VI
507.116	Ogawa zairai (10)	Kanto	Japan	Japan	1987	VI
507.117A	Ogawa zairai (11)	Kanto	Japan	Japan	1987	VI
507.117B	(Ogawa zairai (11))	Kanto	Japan	Japan	1987	VI
507.118	Ogura aze mame	Kanto	Japan	Japan	1987	VI
507.119	Ogura daizu	Kanto	Japan	Japan	1987	VI
507.120	Ogura oodama daizu	Kanto	Japan	Japan	1987	VI
507.122	Oho mame	Tohoku	Japan	Japan	1987	VI
507.136	Oohama daizu	Hokuriku	Japan	Japan	1987	VI
507.140	Oooka zairai	Kanto	Japan	Japan	1987	VI
507.142	Ooshika daizu	Kanto	Japan	Japan	1987	VI
507.143	Ooshika zairai	Kanto	Japan	Japan	1987	VI
507.187	Rikuu 28	Tohoku	Japan	Japan	1987	VI
507.192	Ryuukyou daizu	Kanto	Japan	Japan	1987	VI
507.205	Sakiyama daizu	Kanto	Japan	Japan	1987	VI
507.206	Saku zairai (1)	Kanto	Japan	Japan	1987	VI
507.208	Sakura mame	Tohoku	Japan	Japan	1987	VI
507.210	Sangoku daizu	Kanto	Japan	Japan	1987	VI
507.211	Sangokudori	Kanto	Japan	Japan	1987	VI
507.214	Sayakii daizu	Kanto	Japan	Japan	1987	VI
507.215	Sayama 6	Kinki	Japan	Japan	1987	VI
507.216A	Seinaiji zairai	Kanto	Japan	Japan	1987	VI
507.216B	(Seinaiji zairai)	Kanto	Japan	Japan	1987	VI
507.219	Sengoku daizu	Kanto	Japan	Japan	1987	VI
507.223	Shakujoo (Ishinazaka)	Tohoku	Japan	Japan	1987	VI
507.224	Shakujou	Tohoku	Japan	Japan	1987	VI
507.225	Shakujou mame	Kanto	Japan	Japan	1987	VI
507.228	Shichiri koubashi	Kanto	Japan	Japan	1987	VI
507.231	Shimo hisakata daizu	Kanto	Japan	Japan	1987	VI
507.236	Shimokusanoshu	Kanto	Japan	Japan	1987	VI
507.247	Shirasaya	Hokuriku	Japan	Japan	1987	VI
507.250	Shiratama	Kanto	Japan	Japan	1987	VI
507.251	Shiratama	Kanto	Japan	Japan	1987	VI
507.254	Shiro bansei	Hokuriku	Japan	Japan	1987	VI
507.257	Shiro daihachirin	Chugoku	Japan	Japan	1987	VI
507.262	Shiro daizu	Shikoku	Japan	Japan	1987	VI
507.264	Shiro gankui	Tohoku	Japan	Japan	1987	VI
507.276	Shiro zairai	Chugoku	Japan	Japan	1987	VI
507.278	Shirohada	Kanto	Japan	Japan	1987	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
507.289	Shirotae	Kanto	Japan	Japan	1987	VI
507.292	Shoujou daizu	Kanto	Japan	Japan	1987	VI
507.298	Sokoshin (Kamigoumura)	Hokuriku	Japan	Japan	1987	VI
507.299	Souga zairai	Kanto	Japan	Japan	1987	VI
507.300	Soukou zairai	Kanto	Japan	Japan	1987	VI
507.302	Suginoshu	Kanto	Japan	Japan	1987	VI
507.310	Tairyuu mejiro	Kanto	Japan	Japan	1987	VI
507.322	Takiya	Hokuriku	Japan	Japan	1987	VI
507.326	Tamaho zairai (6)	Kanto	Japan	Japan	1987	VI
507.327	Tamahomare	Kanto	Japan	Japan	1987	VI
507.329	Tamaoki 7	Kinki	Japan	Japan	1987	VII
507.335	Tamazoroi	Chugoku	Japan	Japan	1987	VI
507.337	Tanniyu	Kanto	Japan	Japan	1987	VI
507.338	Tanoiri mame	Kanto	Japan	Japan	1987	VI
507.340	Tansen 45	Shikoku	Japan	Japan	1987	VI
507.342	Tatsuno zairai	Kanto	Japan	Japan	1987	VI
507.343	Tatsuno zairai midashi	Kanto	Japan	Japan	1987	VI
507.346	Teramae 1	Tohoku	Japan	Japan	1987	VI
507.356	Tomihama zairai	Kanto	Japan	Japan	1987	VI
507.357	Tomikusa zairai	Kanto	Japan	Japan	1987	VI
507.358	Tomoda 1	Kanto	Japan	Japan	1987	VI
507.360	Toufu mame	Hokuriku	Japan	Japan	1987	VI
507.377	Tousan 25	Kanto	Japan	Japan	1987	VI
507.380	Tousan 41	Kanto	Japan	Japan	1987	VI
507.381	Tousan 42	Kanto	Japan	Japan	1987	VI
507.394	Tousan 55	Kanto	Japan	Japan	1987	VI
507.414	Tousan 76	Kanto	Japan	Japan	1987	VI
507.421	Tousan 82	Kanto	Japan	Japan	1987	VI
507.422	Tousan 83	Kanto	Japan	Japan	1987	VI
507.423	Tousan 83	Kanto	Japan	Japan	1987	VI
507.428	Tousan 88	Kanto	Japan	Japan	1987	VI
507.444	Tousan 113	Kanto	Japan	Japan	1987	VI
507.451	Tousan kei A 653	Kanto	Japan	Japan	1987	VI
507.452	Tousan kei A 681	Kanto	Japan	Japan	1987	VI
507.457	Tousan kei BL 51	Kanto	Japan	Japan	1987	VI
507.459	Tousan kei C 300	Kanto	Japan	Japan	1987	VI
507.470	Tousan kei NA 5	Kanto	Japan	Japan	1987	VI
507.476	Tousan kei NA 144	Kanto	Japan	Japan	1987	VI
507.478	Tousan kei YL 7	Kanto	Japan	Japan	1987	VI
507.479	Tousan kei YL 12	Kanto	Japan	Japan	1987	VI
507.484	Toyookamura zairai	Kanto	Japan	Japan	1987	VI
507.488	Tsuru no tamago	Tohoku	Japan	Japan	1987	VI
507.495	Uda zairai	Kinki	Japan	Japan	1987	VI
507.496	Udaizaki zairaishu	Tohoku	Japan	Japan	1987	VI
507.497	Ueda tairyuu mejiro 1	Kanto	Japan	Japan	1987	VI
507.499	Ueda tairyuu mejiro (Murasaki bana)	Kanto	Japan	Japan	1987	VI
507.503	Usuao (katsume)	Kanto	Japan	Japan	1987	VI
507.504	Usuda zairai	Kanto	Japan	Japan	1987	VI
507.505	Usuda zairai (1)	Kanto	Japan	Japan	1987	VI
507.506	Usuda zairai (2)	Kanto	Japan	Japan	1987	VI
507.507	Usuda zairai (3)	Kanto	Japan	Japan	1987	VI
507.508	Usuda zairai (4)	Kanto	Japan	Japan	1987	VI
507.511	Wadamura zairai (2)	Kanto	Japan	Japan	1987	VI
507.512	Wadamura zairai (3)	Kanto	Japan	Japan	1987	VI
507.514	Wakashuu daizu	Tohoku	Japan	Japan	1987	VI

Table 1.1. Identification and origin information for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
507.533	Yachino zairai (Ao mame)	Kanto	Japan	Japan	1987	VI
507.536	Yahagi daizu	Kanto	Japan	Japan	1987	VI
507.557	Yuda (YL)	Kanto	Japan	Japan	1987	VI
507.558	Yugaki mame (Chichibu)	Kanto	Japan	Japan	1987	VI
507.559	Yugaki mame (Ryoukami)	Kanto	Japan	Japan	1987	VI
507.577	Zairaishu (Igu)	Tohoku	Japan	Japan	1987	VI
507.579	Zairaishu (Shiojiri)	Kanto	Japan	Japan	1987	VI
509.077		Chungchong Nam	South Korea	South Korea	1987	VI
509.084		Chungchong Nam	South Korea	South Korea	1987	VI
509.086		Chungchong Puk	South Korea	South Korea	1987	VI
509.090		Cholla Nam	South Korea	South Korea	1987	VI
509.093		Cholla Nam	South Korea	South Korea	1987	VI
509.094		Cholla Nam	South Korea	South Korea	1987	VI
509.102		Kyongsang Puk	South Korea	South Korea	1987	VI
509.104		Kyongsang Puk	South Korea	South Korea	1987	VI
509.108		Kyongsang Puk	South Korea	South Korea	1987	VI
518.296	Kao hsiung suan 10	Unknown	Taiwan	Taiwan	1988	VI
518.297	Tai to kao hsiung 5	Unknown	Taiwan	Taiwan	1988	VI
518.726	Bao jiao huang	Guangdong	China	China	1988	VI
518.727	Ju huang	Guangdong	China	China	1988	VI
520.732		Kyonggi	South Korea	South Korea	1988	VI

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
Arksoy	VI	D	W	G	E	Ssp	Tn	I	Y	Bf		3N
Armredo	VI	D	W	T	E	N	Tn	S	Y	Bl		3N
Brim	VI	D	W	G	E	N	Br	S	Y	Bf		2N
Bryan	VI	D	P	T	A	N	Tn	S	Y	Bl		2N
Centennial	VI	D	P	T	Sa	N	Tn	I	Y	Bl		2N
Choska	VI	D	P	G	E	N	Tn	D	Y	Bf	Sdef,Vhil	2N
Davis	VI	D	W	G	E	N	Tn	D	Y	Bf		2N
Delsoy	VI	D	W	G	E	Ssp	Br	I	Y	Bf		2N
Easycook	VI	D	P	G	Sa	Dn	Tn	I	Lgn	Bf		2N
Gail	VI	D	P	T	Sa	N	Tn	S	Y	Bl	Sdef	2N
Haberlandt	VI	D	W	T	E	Ssp	Br	I	Y	Br		2N
Hahto	VI	D	P	T	E	Sp	Br	I	Gn	Bl		3F
Hayseed	VI	N	W	T	E	N	Br	I	Y	Br	Sph	4N
Hood	VI	D	P	G	A	N	Tn	S	Y	Lbf		2N
Hood 75	VI	D	P	G	A	N	Tn	S	Y	Bf		2N
Jeff	VI	D	P	T	E	N	Tn	S	Y	Br		2N
Kershaw	VI	D	W	G	E	N	Tn	I	Y	Bf	Sdef,Vhil	2N
Lamar	VI	D	W	T	E	N	Tn	S	Y	Bl		2N
Laredo	VI	N	Lp	T	E	N	Bl	I	Bl	Bl		3F
Lee	VI	D	P	T	E	N	Tn	S	Y	Bl		2N
Lee 68	VI	D	P	T	A	N	Tn	S	Y	Bl		2N
Leflore	VI	D	P	T	A	N	Tn	S	Y	Bl		2N
Lloyd	VI	D	P	T	Sa	N	Tn	I	Y	Br		2N
Magnolia	VI	N	P	G	Sa	Ssp	Tn	I	Y	Bf		2N
Mamredo	VI	D	W	T	E	N	Tn	D	Y	Br		2N
Ogden	VI	D	P	G	E	N	Br	I	Lgn	Ib	Def,Vhil	2N
Old Dominion	VI	N	P	Ng	E	Ssp	Bl	I	Gnbr	Br	Sst	4F
Pickett	VI	D	P	G	E	N	Tn	S	Y	Ib		2N
Pickett 71	VI	D	P	G	A	N	Tn	S	Y	Ib		2N
Pine Dell Perfection	VI	N	P	Ng	Sa	N	Br	S	Br	Br	St	3N
Ralsoy	VI	D	W	G	Sa	N	Tn	I	Y	Bf		3N
Rokusun	VI	D	P	G	E	Ssp	Br	I	Y	Bf		3F
Rose Non Pop	VI	D	W	T	E	Ssp	Br	I	Y	Br		2N
Sharkey	VI	D	W	T	E	N	Tn	I	Y	Bl		2N
Sohoma	VI	D	P	G	E	N	Tn	D	Y	Ib		2N
Tracy	VI	D	W	T	E	N	Tn	I	Y	Bl		2N
Tracy-M	VI	D	W	T	Sa	N	Tn	I	Y	Bl		2N
Twiggs	VI	D	P	T	A	N	Tn	S	Y	Bl		2N
Young	VI	D	W	G	E	N	Tn	I	Y	Bf		2N
FC 03.659	VI	N	W	G	E	N	Br	I	Y	Bf	Vhil	2N
FC 03.981	VI	D	W	T	A	N	Tn	I	Y	Y	Def	2N
FC 31.665	VI	D	W	G	A	N	Tn	I	Y	Bf	Vhil	2N
FC 31.700	VI	D	P	T	E	Ssp	Br	I	Y	Bl		2N
FC 31.709	VI	D	P	G	Sa	Ssp	Tn	S	Y	Bf	Def	3N
FC 31.745	VI	D	P	G	Sa	N	Br	I	Gn	Gn		2N
FC 31.933	VI	D	W	T	E	Ssp	Tn	I	Y	Br		2N
FC 31.935	VI	D	W	T	E	N	Br	D	Y	Br		2N
FC 31.943	VI	D	P	T	E	Sp	Br	S	Lgn	Bl		2F
FC 32.175	VI	D	W	G	Sa	N	Tn	I	Y	Bf		2N
36.906	VI	N	W	T	Sa	N	Tn	I	Y	Bl		2N
54.610	VI	N	W	G	E	N	Br	I	Y	Bf		2N
79.825	VI	S	W	G	E	Ssp	Br	I	Y	Bf		2N
79.862	VI	D	P	T	Sa	N	Br	I	Y	Y		2N
80.468	VI	D	W	G	E	N	Tn	I	Y	Bf		2N
80.476	VI	N	P	G	Sa	Ssp	Br	I	Y	Ib		2N
81.037	VI	N	P	G	A	N	Tn	I	Y	Bf		3N
82.312	VI	N	P	G	A	N	Br	I	Y	Bf		3N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
85.010	VI	D	P	T	E	N	Tn	I	Y	Bl		2N
85.465	VI	N	P	G	E	Ssp	Tn	I	Y	Bf		2N
85.476	VI	D	P	G	E	Ssp	Tn	I	Y	Bf		2N
85.490	VI	D	P	G	E	Ssp	Br	I	Y	Bf	Vhil	2N
86.091	VI	N	W	T	Sa	Ssp	Br	I	Y	Br	Wa	2N
86.109	VI	N	P	T	Sa	N	Br	I	Y	Br		2N
86.490	VI	D	P	G	A	N	Br	I	Y	Bf		2N
86.904	VI	N	W	T	Sa	N	Br	I	Y	Bl		2N
87.968	VI	D	P	G	E	Ssp	Tn	I	Y	Bf		2N
88.461	VI	N	P	G	E	Ssp	Br	I	Y	Ig		2N
88.816S	VI	D	W	G	E	Ssp	Tn	I	Y	Bf		2N
89.775	VI	N	P	T	E	N	Br	S	Y	Br		2N
90.406	VI	N	W	G	Sa	Ssp	Tn	I	Y	Bf		2N
90.495	VI	N	P	G	E	Ssp	Br	I	Y	Ib		2N
90.499	VI	D	P	G	E	N	Br	I	Y	Ib	Vhil	3N
90.577	VI	N	P	T	E	N	Br	I	Y	Br		2N
90.768	VI	D	W	G	E	Ssp	Br	I	Gn	Bf		2N
92.567	VI	N	P	G	E	N	Tn	I	Y	Bf		2N
92.601	VI	D	P	G	E	N	Br	I	Y	Bf		2N
92.707S	VI	N	W	G	E	Ssp	Br	I	Y	Y	Vhil,Swa	2N
94.159	VI	S	W	Lt	E	N	Br	I	Y	Br		2N
95.860	VI	D	W	G	Sa	N	Br	I	Y	Bf		2N
95.969	VI	D	P	G	Sa	Ssp	Br	I	Y	Bf		2N
96.035	VI	D	W	G	Sa	Ssp	Tn	I	Y	Y		2N
96.257	VI	D	P	T	E	Ssp	Tn	I	Gn	Br		2N
96.354	VI	N	W	G	E	N	Br	I	Y	Bf	Vhil	3N
97.150	VI	N	W	T	E	Ssp	Br	I	Y	Br		2N
97.161	VI	D	P	G	Sa	Ssp	Tn	I	Y	Bf		2N
148.260	VI	N	P	G	A	N	Br	I	Y	Bf		2N
157.469	VI	D	P	G	A	Ssp	Br	I	Y	Y		2N
157.475	VI	D	P	T	Sa	N	Bl	I	Gn	Br		2N
157.476	VI	N	P	G	E	Ssp	Br	D	Gn	G		3N
157.487A	VI	N	W	G	E	Ssp	Tn	I	Y	Bf		2N
157.488	VI	D	W	G	A	N	Tn	I	Y	Bf		2N
159.321	VI	N	W	G	Sa	N	Br	I	Y	Y	Sabh,Na	2N
159.322	VI	N	W	G	A	N	Br	I	Y	Y	Na	2N
159.923A	VI	D	P	G	E	Ssp	Br	I	Y	Y	Sdef	2N
165.672	VI	S	P	T	A	Ssp	Br	I	Gn	Br		3F
165.673	VI	S	P	G	E	Ssp	Br	I	Y	Bf		2N
166.147	VI	N	W	G	Sa	N	Br	I	Y	Lbf	Vhil	2N
170.886	VI	N	W	G	Sa	N	Br	I	Y	Y	Sabh,Na	2N
170.887	VI	N	W	G	A	N	Tn	I	Y	Y	Sabh,Na	2N
170.888	VI	N	W	G	Sa	N	Br	I	Y	Bf		2N
170.889	VI	D	P	G	E	N	Br	I	Y	Bf		2N
170.890	VI	N	W	G	E	N	Br	I	Y	Bf		2N
170.891	VI	N	W	G	A	N	Br	I	Y	Bf		2N
170.892	VI	S	P	G	E	N	Br	I	Y	Bf		2N
171.436	VI	D	P	G	A	N	Bl	I	Y	Ib		2N
171.437	VI	S	P	T	A	N	Bl	I	Y	Bl		2N
171.439	VI	D	P	G	A	N	Br	I	Gn	Bf	Gnc	2N
171.440	VI	D	P	G	A	Ssp	Br	I	Lgn	Bf	Vhil	2N
171.441	VI	N	P	Ng	E	N	Bl	I	Gnbr	Br	Sna	3F
171.443	VI	N	W	T	Sa	Ssp	Br	I	Br	Br	St	2N
171.444	VI	N	W	G	E	N	Br	I	Y	Bf	Sad	5N
174.862	VI	N	P	T	E	Ssp	Br	I	Bl	Bl	Flk,Sw	3F
174.863	VI	N	P	T	E	N	Br	I	Gnbr	Gnbr		4F
175.174	VI	N	P	T	Sa	Ssp	Br	I	Y	Br	Sw	4N
175.187	VI	N	P	T	E	Ssp	Br	I	Gnbr	Gnbr	Sw	4F

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
175.189	VI	N	P	T	E	N	Br	I	Gnbr	Gnbr	Sw	4F
175.192	VI	N	P	T	Sa	Ssp	Br	I	Gnbr	Gnbr	Sw	4F
175.193	VI	N	P	T	E	N	Br	I	Gnbr	Gnbr	Sw	4F
175.194	VI	N	P	T	E	Ssp	Br	I	Gnbr	Gnbr	Sw	4F
175.195	VI	N	P	T	E	N	Br	I	Gnbr	Gnbr	Sw	4F
175.196	VI	N	P	T	A	Ssp	Tn	I	Gnbr	Gnbr	Sw	4F
175.198	VI	N	P	T	A	Ssp	Tn	I	Gnbr	Gnbr	Sw	4F
175.199	VI	N	P	T	Sa	N	Br	I	Gnbr	Gnbr	Sw	4F
181.556	VI	D	W	T	A	N	Lbr	I	Y	Br		2N
181.559	VI	D	W	T	Sa	N	Br	I	Y	Br		2N
181.561	VI	D	P	G	A	N	Br	D	Y	Bf	Def	2N
187.156	VI	D	W	G	A	Ssp	Br	I	Y	Bf		3N
200.446	VI	D	W	T	A	N	Tn	I	Y	Br		2N
200.449	VII	D	P	T	Sa	Ssp	Br	I	Y	Br		2N
200.461	VI	D	P	T	Sa	Ssp	Bl	S	Gnbr	Gnbr		2N
200.483	VI	D	P	T	Sa	Ssp	Tn	I	Gn	Bl		2N
200.497	VI	D	P	T	E	N	Tn	I	Br	Br		2N
200.502	VI	D	P	T	A	Ssp	Tn	I	Y	Br		3N
200.505	VI	D	P	G	E	N	Br	I	Y	Y		2N
200.553	VI	D	W	T	Sa	Ssp	Br	I	Bl	Bl		2N
201.421	VI	D	W	G	Sa	N	Tn	I	Y	Bf		2N
201.422	VI	N	W	G	Sa	N	Br	I	Y	Bf		2N
201.428	VI	N	W	G	Sa	N	Br	I	Y	Y	Vhil	2N
201.431	VI	N	W	G	A	N	Br	I	Y	Y		2N
205.384	VI	D	P	T	A	N	Tn	I	Y	Y		2N
208.432	VI	D	W	T	A	N	Br	I	Br	Br		2N
209.908	VI	N	W	G	A	N	Br	I	Y	Bf		2N
212.604	VI	N	P	T	Sa	Ssp	Bl	I	Gn	Blbr	Sabh	5N
212.605	VI	N	P	T	Sa	Ssp	Bl	I	Bl	Bl	Sabh	4F
212.606	VI	N	P	T	Sa	Ssp	Br	I	Gn	Blbr	Sabh	5F
212.716	VI	D	P	T	E	N	Br	I	Y	Bl		2N
215.693	VI	D	P	T	A	N	Tn	I	Y	Br	Abh	2N
215.811	VI	N	P	T	E	Ssp	Bl	I	Bl	Bl	Sw	4F
219.656	VI	S	W	T	A	N	Br	I	Bl	Bl		2N
219.698	VI	N	P	T	A	N	Br	I	Y	Br		4N
219.732	VI	N	P	T	A	N	Br	I	Bl	Bl	Flk	4F
221.713	VI	N	W	G	Sa	N	Br	I	Y	Bf		2N
221.714	VI	D	P	G	E	Ssp	Tn	I	Y	Bf		2N
221.717	VI	D	W	G	E	Ssp	Br	I	Y	Bf		2N
221.972	VI	D	P	T	E	Ssp	Br	S	Gnbr	Gnbr		2N
222.397	VI	N	P	T	Sa	N	Dbr	I	Br	Br		4N
227.214	VII	D	P	T	Sa	N	Tn	I	Y	Br	Def	3N
229.320	VI	D	P	G	A	N	Br	I	Y	Bf		2N
230.974	VI	D	P	T	A	Ssp	Br	I	Bl	Bl		2N
230.978	VI	D	P	T	A	Ssp	Bl	I	Y	Br		2N
230.979	VI	D	W	T	A	N	Br	I	Y	Br		2N
243.526	VI	D	P	G	A	N	Br	I	Y	Bf		2N
253.662	VI	N	P	T	Sa	N	Br	I	Lgn	Brbl		2N
253.664	V	D	W	G	E	N	Br	I	Y	Bf		2N
283.327	V	D	P	T	Sa	N	Tn	I	Y	Br		2N
284.815	VI	S	P	T	A	N	Br	I	Y	Br		3N
303.653	VI	D	P	T	A	Ssp	Br	I	Br	Br	Snet	2N
304.217	V	D	P	G	A	Ssp	Br	I	Y	Y		2N
312.222	VI	D	W	T	E	Ssp	Br	I	Y	Bl		2N
319.525	VI	N	P	T	E	N	Br	I	Y	Br		4N
319.529	VI	N	W	T	Sa	N	Tn	I	Y	Br		2N
319.530	VI	N	W	T	Sa	Ssp	Tn	I	Y	Br		2N
319.531	VI	D	W	T	Sa	Ssp	Tn	I	Y	Br		3N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
324.066	VI	N	P	G	E	N	Br	I	Y	Ib		2N
340.050	VI	D	P	G	A	Ssp	Br	I	Y	Bf	Vhil	3N
341.264	VI	D	W	T	Sa	N	Tn	I	Y	Br		2N
346.301	VI	N	P	T	A	Ssp	Br	I	Y	Bl	Swa	3N
360.834	VII	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	2N
360.839	VI	D	P	G	A	N	Tn	S	Y	Lbf	Vhil	3N
360.851	VII	D	P	G	E	Ssp	Br	I	Y	Lbf	Vhil	2N
365.426	VI	S	P	T	Sa	Ssp	Br	I	Gnbr	Gnbr		4F
366.036	VI	D	W	G	E	N	Tn	S	Y	Lbf	Vhil	2N
368.037	VI	S	W	T	Sa	N	Tn	I	Y	Br		3N
368.038	VI	D	P	T	Sa	N	Tn	I	Y	Br		2N
368.039	VI	D	P	T	Sa	N	Tn	D	Y	Br		2N
371.607	VI	D	P	T	A	Ssp	Tn	I	Y	Br		2N
371.609	VI	D	P	T	A	Ssp	Tn	I	Y	Br	Vhil	2N
371.612	V	D	W	T	E	N	Tn	I	Y	Lbr	Vhil	1N
374.220	VI	N	W	G	E	Ssp	Br	I	Y	Bf		2N
374.221	VI	N	W	G	E	N	Br	I	Y	Bf		2N
377.575	VI	D	P	T	Sa	Ssp	Tn	I	Y	Br		2N
377.576	VI	N	W	T	Sa	Ssp	Br	I	Lgn	Brbl		3N
377.577	VI	N	P	T	Sa	N	Br	I	Y	Brbl		2N
379.620	VI	D	P	T	Sa	N	Br	I	Y	Br		2N
379.621	VI	N	P	T	A	N	Br	I	Y	Brbl		2N
379.622	VI	D	P	T	A	Ssp	Tn	I	Y	Brbl		2N
381.679	VI	N	P	G	A	N	Br	I	Y	Bf		2N
381.683	VI	D	W	G	E	Ssp	Tn	I	Y	Bf		2N
398.192	VI	D	W	G	A	N	Tn	I	Y	Bf		2N
398.194	VI	D	W	G	E	N	Tn	I	Y	Bf		2N
398.220	VI	N	P	G	E	Ssp	Tn	I	Y	Bf		2N
398.254	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Sad	2N
398.292	VI	D	P	T	E	Ssp	Br	D	Bl	Bl		2N
398.332	VI	D	P	T	Sa	Ssp	Br	I	Rbr	Rbr	Snet	2N
398.361	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		2N
398.372	VI	D	P	G	Sa	Ssp	Tn	I	Y	Bf		2N
398.469	VI	D	P	G	E	N	Tn	I	Y	Y		2N
398.473	VI	D	P	Ng	E	Ssp	Tn	I	Bl	Bl	Snet	3N
398.479	VI	D	P	G	E	N	Tn	I	Y	Y		2N
398.556	VI	D	P	T	E	Ssp	Br	I	Rbr	Rbr		2N
398.557	VI	D	P	T	E	Ssp	Br	I	Rbr	Rbr		2N
398.570	VI	D	W	T	A	N	Br	I	Br	Br		2N
398.575	VI	D	P	T	E	Ssp	Br	D	Bl	Bl	Net	2N
398.578	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		2N
398.580	VI	D	P	G	E	Ssp	Tn	I	Y	Y		2N
398.592	VI	D	P	G	E	Ssp	Tn	I	Y	Bf		2N
398.598	VI	D	P	T	E	Ssp	Tn	I	Y	Y		2N
398.606	VI	D	P	G	E	Ssp	Tn	I	Y	Bf		2N
398.611	VI	D	P	T	E	Ssp	Br	I	Y	Br		2N
398.635	VI	S	P	G	E	Ssp	Br	I	Y	Bf		2N
398.646	VI	D	P	T	E	Ssp	Br	I	Rbr	Rbr	Net	2N
398.648	VI	D	P	T	E	Ssp	Br	I	Rbr	Rbr	Net	2N
398.718	VI	D	P	T	A	Sp	Br	I	Rbr	Rbr	Net	3N
398.719	VI	D	P	T	E	Ssp	Br	I	Bl	Bl	Snet	3N
398.721	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		3N
398.724	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		3N
398.729	VI	D	P	T	Sa	Ssp	Br	D	Bl	Bl	Snet	3N
398.731	VI	D	P	T	Sa	Ssp	Br	S	Bl	Bl	Net	3N
398.732	VI	D	P	T	Sa	Ssp	Br	S	Bl	Bl	Net	3N
398.734	VI	D	P	T	Sa	Ssp	Br	I	Br	Br	Snet	2N
398.736	VI	D	P	T	E	Ssp	Br	I	Rbr	Rbr	Snet	3N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
398.742	VI	D	P	Lt	Sa	Ssp	Br	I	Bl	Bl		3N
398.769	VI	D	P	G	Sa	Ssp	Br	I	Y	G		2N
398.771	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		2N
398.781	VI	D	P	T	E	Ssp	Tn	I	Bl	Bl	Snet	3N
398.789	VI	D	P	T	A	Ssp	Tn	I	Y	Br		2N
398.794	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		2N
398.817	VI	D	P	T	E	Ssp	Br	I	Bl	Bl	Snet	2N
398.824	VI	D	P	T	E	Ssp	Br	S	Bl	Bl		2N
398.826	VI	D	P	T	Sa	Ssp	Tn	I	Bl	Bl		2N
398.827	VI	D	P	T	Sa	Ssp	Tn	I	Bl	Bl		3N
398.850	VI	D	P	T	Sa	Ssp	Br	I	Rbr	Rbr		3N
398.853	VI	D	W	T	E	N	Tn	I	G	Bl		3N
398.896	VI	N	P	G	E	Ssp	Br	I	Y	Bf		3N
398.925	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		2N
398.945	VI	N	P	T	E	Ssp	Br	I	Rbr	Rbr	Snet	2N
398.950	VI	D	P	G	A	Ssp	Bl	I	Gn	Bf		2N
398.952	VI	D	P	G	A	Ssp	Br	I	Gn	Bf	Gnc	2N
398.956	VI	D	P	T	E	Ssp	Br	S	Bl	Bl		3N
398.966	VI	D	P	T	E	Ssp	Tn	I	Bl	Bl		3N
398.967	VI	D	P	G	E	Ssp	Bl	I	Gn	Bf		1N
398.973	VI	N	P	T	E	Ssp	Br	I	Bl	Bl		2N
398.978	VI	D	P	G	E	Ssp	Bl	I	Y	Bf		2N
398.983	VI	D	P	T	E	N	Tn	I	Y	Br		2N
398.998	VI	D	P	G	A	Ssp	Br	I	Gn	Bf	Gnc	2N
398.999	VI	D	P	G	A	Ssp	Br	I	Gn	Bf	Gnc	2N
399.041	VI	N	P	G	E	Ssp	Br	I	Y	Bf		3N
399.047	VI	D	P	T	E	Ssp	Br	D	Rbr	Rbr		2N
399.048	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		3N
399.049	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl		2N
399.053	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl		3N
399.061	VI	D	P	G	Sa	Ssp	Tn	I	Y	Bf		2N
399.087	VI	D	P	Ng	A	Ssp	Br	I	Bl	Bl	Net	3N
399.088	VI	D	P	Ng	Sa	Ssp	Br	I	Bl	Bl	Net	3N
399.090	VI	D	P	T	Sa	Ssp	Br	I	Rbr	Rbr		2N
399.102	VI	D	P	T	A	Ssp	Tn	I	Bl	Bl		2N
399.104	VI	D	P	T	E	Ssp	Tn	I	Y	Bl		3N
407.738	VI	D	W	T	E	N	Br	I	Bl	Bl		3N
407.743	VI	N	P	G	A	Ssp	Br	I	Gn	Bf	Gnc	2N
407.744	VI	N	W	T	A	Ssp	Br	I	Y	Br		2N
407.771	VI	N	W	Ng	Sa	Ssp	Bl	I	Gn	Br	Gnc	3N
407.781C	VI	D	P	G	E	N	Tn	I	Y	Y		1N
407.801	VI	D	P	T	Sa	Ssp	Tn	I	Y	Bl		2N
407.839–2	VI	N	P	Ng	E	N	Bl	I	Ggn	Bl		3N
407.868C	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl		2N
407.872B	VI	D	W	T	A	Ssp	Tn	D	Bl	Bl		2N
407.898B	VI	D	W	G	E	Ssp	Tn	I	Y	Y		2N
407.937–2	VI	N	P	G	A	Ssp	Br	I	Gn	Bf		2N
407.945	VI	D	P	T	A	Ssp	Br	I	Gn	Br		2N
407.946–1	VI	D	P	G	A	Ssp	Br	I	Y	Bf		3N
407.964	VI	D	P	T	A	Ssp	Br	I	Ggn	Ggn		3N
407.967	VI	D	P	G	E	Ssp	Br	I	Y	Bf		2N
407.969	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl		2F
407.997	VI	D	P	T	A	Ssp	Br	I	Rbr	Rbr	Net	3N
408.007	VI	D	P	Ng	E	Ssp	Br	I	Rbr	Rbr	Net	3N
408.030	VI	D	P	G	E	Ssp	Br	I	Gn	Bf	Gnc	2N
408.043	VI	D	P	G	A	Ssp	Br	I	Gn	Bf	Gnc	2N
408.044	VI	D	P	T	Sa	Ssp	Br	I	Gn	Br	Gnc	2N
408.061	VI	D	W	G	E	Ssp	Br	D	Y	Bf		2N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
408.067B	VI	D	P	T	A	Ssp	Br	D	Bl	Bl		2N
408.085	VI	D	P	G	E	N	Tn	I	Y	Y		2N
408.092C	VI	D	P	T	E	Ssp	Br	I	Rbr	Rbr		2N
408.101	VI	N	P	T	E	Ssp	Tn	I	Bl	Bl		2N
408.109B	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl		2N
408.169C	VI	D	P	G	Sa	Ssp	Tn	I	Y	Y		2N
408.184B	VI	D	W	G	E	Ssp	Br	I	Y	Lbf	Vhil	2N
408.191B	VI	D	P	G	E	Ssp	Br	I	Gn	Bf	Gnc	2N
408.240	VI	D	P	G	A	N	Br	I	Lgn	Bf		2N
408.241	VI	D	P	G	A	N	Br	I	Lgn	Bf		2N
408.253	VI	D	P	G	A	N	Br	I	Lgn	Bf		2N
408.254	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl		2N
408.257	VI	D	P	G	E	Ssp	Br	I	Y	Y		2N
408.259B	VI	D	P	T	E	Ssp	Br	D	Bl	Bl	Snet	2N
408.265C	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl	Snet	3N
408.266	VI	D	P	G	Sa	Ssp	Br	I	Y	Y		2N
408.269C	VI	D	P	G	E	Ssp	Br	I	Y	Y		2N
408.276	VI	D	P	T	E	Ssp	Br	S	Rbr	Rbr		2N
408.296B	VI	D	P	T	A	Ssp	Br	I	Bl	Bl	Net	3N
408.318B	VI	D	P	G	E	Ssp	Br	I	Y	Y		2N
408.332B	VI	D	P	Ng	A	Sp	Br	I	Bl	Bl	Net	3N
408.340	VI	N	P	T	E	Ssp	Tn	I	Y	Y		2N
408.342	VI	N	W	G	A	Ssp	Tn	I	Rbf	Rbf	Wa	2N
416.754	VI	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	2N
416.760	VI	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	2N
416.766	VI	D	W	G	A	Ssp	Br	I	Y	Y		2N
416.767	VI	D	P	T	A	Ssp	Br	I	Y	Br		2N
416.781	VI	D	P	T	A	N	Br	I	Y	Br		2N
416.787	VI	D	P	G	E	Ssp	Br	I	Gn	Gn		2N
416.790	VI	D	W	G	A	Ssp	Br	I	Gn	Lgn	Vhil	2N
416.794	VI	D	P	G	A	N	Br	S	Gn	Bf	Gnc	2N
416.796	VI	D	W	G	A	Ssp	Br	I	Gn	Gn	Gnc	2N
416.798	VI	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	2N
416.809	VI	D	W	T	E	Ssp	Tn	I	Gn	Bl		3N
416.812	VI	D	P	T	E	N	Br	D	Gnbr	Gnbr		3N
416.848	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
416.876	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl		5F
416.885	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
416.895	VI	D	W	T	A	Ssp	Br	I	Gn	Lbr	Vhil	2N
416.903	VI	D	P	G	Sa	N	Tn	I	Y	Bf		2N
416.907	VI	D	W	G	Sa	Ssp	Br	I	Y	Y		2N
416.912	VI	D	P	T	A	Ssp	Br	I	Y	Bl		3N
416.922	VI	D	P	T	E	Ssp	Br	S	Y	Br		4N
416.924	VI	D	W	T	E	Ssp	Br	I	Y	Br		2N
416.925	VI	D	P	G	A	N	Br	I	Y	Bf	Sdef	2N
416.932	VI	D	P	G	Sa	Ssp	Br	I	Y	Y		2N
416.933	VI	D	P	G	Sa	N	Br	I	Y	Bf		3N
416.937	VI	D	P	G	E	N	Br	I	Y	Y	Vhil	2N
416.951	VI	D	P	G	A	N	Br	I	Gn	Bf	Vhil	2N
416.955	VI	D	W	G	A	N	Br	I	Y	Bf	Sdef	3N
416.969	VI	D	W	G	A	N	Br	I	Y	Y		2N
417.011	VI	D	P	T	E	Ssp	Br	I	Gnbr	Gnbr		3N
417.038	VI	D	P	T	A	Ssp	Br	I	Y	Lbr	Vhil	2N
417.083	VI	D	P	T	A	Ssp	Bl	I	Y	Bl		2N
417.097	VI	D	P	G	A	Ssp	Br	I	Y	Y		2N
417.164	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		2N
417.181	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
417.188	VI	D	P	G	E	Ssp	Br	I	Lgn	Bf		2N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
417.194	VI	D	P	T	A	N	Br	I	Y	Lbr	Vhil	2N
417.197	VI	D	W	G	A	Ssp	Br	I	Gn	Bf		2N
417.203	VI	D	P	T	Sa	Ssp	Br	I	Y	Br		2N
417.204	VI	D	P	G	E	Ssp	Br	I	Y	Y		2N
417.212	VI	D	P	T	A	Ssp	Br	I	Y	Br		2N
417.213	VI	D	P	T	A	N	Br	I	Y	Lbr	Sabh,Vhil	2N
417.216	VI	D	P	T	A	Ssp	Br	S	Y	Br		3N
417.220	VI	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	2N
417.221	VI	D	P	G	A	Ssp	Tn	I	Y	Lbf	Sdef,Vhil	2N
417.223	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
417.224	VI	D	W	G	A	Ssp	Br	I	Y	Bf	Sdef	2N
417.256	VI	D	P	T	A	Ssp	Bl	I	Y	Br		2N
417.266	VI	D	W	G	A	N	Br	I	Y	Y		2N
417.267	VI	D	W	T	A	Ssp	Tn	I	Gn	Lbr	Vhil	2N
417.310	VI	D	P	T	E	N	Br	I	Y	Br	Def	3N
417.330	VI	D	P	T	A	Ssp	Br	I	Y	Br		2N
417.357	VI	D	P	T	Sa	N	Dbr	I	Rbr	Rbr	Sad	2N
417.358	VI	D	P	G	A	Ssp	Br	I	Y	G		2N
417.375	VI	D	W	G	Sa	Ssp	Br	I	Y	Y	Sdef	2N
417.376	VI	D	W	T	A	Ssp	Dbr	I	Y	Lbr	Sdef,Vhil	2N
417.378	VI	D	W	T	A	Ssp	Dbr	I	Gn	Br	Gnc	3N
417.405	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
417.406	VI	D	P	T	A	Ssp	Br	S	Y	Br		2N
417.407	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
417.408	VI	D	W	G	A	N	Tn	I	Y	Y	Def	2N
417.409	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
417.410	VI	D	P	G	A	Ssp	Br	I	Y	Bf		2N
417.416	VI	D	W	G	E	N	Br	I	Y	Y		2N
417.421	VI	D	W	G	A	N	Tn	I	Y	Y	Sdef	2N
417.422	VI	D	P	G	A	N	Br	I	Y	Y	Sdef	2N
417.427	VI	D	P	G	Sa	N	Br	I	Y	Y		2N
417.444	VI	D	P	G	A	Ssp	Bl	I	Gn	Bf		2N
417.469	VI	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	2N
417.473	VI	D	P	T	A	Ssp	Br	I	Y	Br		3N
417.477	VI	D	P	T	A	Ssp	Br	I	Y	Br		3N
417.490	VI	D	P	G	Sa	Ssp	Br	I	Y	Y		2N
417.503	VI	S	P	G	Sa	Ssp	Tn	I	Y	Bf		3F
417.561	VI	D	P	G	Sa	Ssp	Tn	I	Y	Lbf	Vhil	2N
417.562	VI	D	W	G	E	N	Tn	I	Y	Bf		2N
417.563	VI	N	P	T	A	Ssp	Br	I	Y	Bl		2N
423.736B	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		2N
423.755	VI	D	P	G	E	Ssp	Tn	I	Bf	Bf	Net	3N
423.780	VI	D	P	T	A	Ssp	Br	I	Rbr	Rbr	Net	3N
423.821	VI	D	P	T	E	Ssp	Br	I	G	Bl		2N
423.822	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3N
423.831	VI	D	P	T	Sa	N	Tn	I	Y	Br		2N
423.849	VI	D	P	T	A	N	Br	I	Rbr	Rbr	Net	3N
423.852	VI	D	P	T	Sa	N	Tn	I	Y	Br		2N
423.853	VI	D	P	T	E	N	Br	I	Rbr	Rbr		2N
423.859	VI	D	P	G	A	N	Br	I	Gn	Bf	Gnc	3N
423.861	VI	D	W	T	E	N	Br	I	Gn	Bl		2N
423.878	VI	D	P	G	A	N	Br	I	Y	Bf		2N
423.879	VII	D	P	G	A	N	Tn	I	Y	Bf	Sdef	2N
423.895	VI	D	P	T	A	N	Br	I	Y	Lbr	Vhil	3N
423.898	VI	D	W	G	Sa	N	Br	I	Y	Y		2N
423.900	VI	D	P	G	Sa	N	Tn	I	Y	Bf	Vhil	2N
423.905	VI	D	P	G	Sa	N	Br	I	Y	Lbf	Vhil	2N
423.907	VI	D	P	G	Sa	N	Tn	I	Y	Bf		2N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
423.916	VI	D	P	T	A	N	Br	I	Y	Br		2N
423.918	VI	D	P	G	A	N	Br	I	Y	Bf	Def	2N
423.921	VI	D	W	G	A	N	Br	I	Y	Y		2N
423.925	VI	D	W	T	A	N	Br	I	Y	Y		1N
423.930B	VI	D	P	-	-	G	Tn	I	Y	Lbf	Vhil	2N
423.931	VI	D	P	G	A	N	Br	I	Y	Lbf	Sdef,Vhil	2N
423.964	VII	D	P	G	A	N	Br	I	Y	Bf	Sdef	3N
423.965	VI	D	P	T	A	N	Br	I	Y	Br		2N
423.969	VI	D	P	T	Sa	N	Br	I	Y	Lbr	Vhil	2N
423.978	VI	D	P	G	A	N	Tn	I	Y	Bf		3N
423.986	VI	D	W	T	Sa	N	Tn	I	Y	Lbr	Vhil	2N
424.139	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		3N
424.142	VI	D	W	T	A	N	Bl	I	Gnbr	Gnbr		2N
424.145	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Snet	2N
424.146	VI	D	P	T	E	N	Tn	I	Rbr	Rbr	Snet	2N
424.147	VI	D	P	T	E	N	Br	I	Gn	Bl	Snet	3N
424.156B	VI	N	P	T	E	N	Br	I	Bl	Bl		3N
424.157A	VI	D	P	Lt	Sa	Ssp	Br	I	Bl	Bl	Net	3N
424.157B	VI	D	P	Lt	Sa	Ssp	Tn	I	Bl	Bl	Net	3N
424.161	VI	D	W	T	A	N	Br	I	Y	Tn		2N
424.163	VI	D	P	T	Sa	N	Br	I	Ggn	Bl		3N
424.164B	VI	D	P	T	A	N	Br	I	Bl	Bl	Gnc	3F
424.172B	VI	D	W	T	E	N	Tn	I	Y	Br		2N
424.172C	VI	D	P	G	E	N	Tn	I	Y	Bf		2N
424.174	VI	D	P	G	E	Ssp	Br	I	Y	Dbf	Sdef	2N
424.178C	VI	D	P	G	Sa	N	Bl	I	Gn	Bf		2N
424.182B	VI	D	W	G	E	N	Br	I	Y	Y	Def,Vhil	2N
424.185	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl		2N
424.304	VI	D	P	G	E	N	Tn	I	Y	Y		2N
424.337-2	VI	D	P	G	E	N	Lbr	I	Gn	Gn		2N
424.360	VI	D	P	G	E	N	Br	I	Gn	Lbf	Gnc,Vhil	2N
424.361	VI	D	P	G	E	N	Br	I	Gn	Lbf	Gnc,Vhil	2N
424.371	VI	D	P	G	E	N	Br	I	Y	G	Sdef	2N
424.375	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		3N
424.391	VI	D	P	T	A	Ssp	Tn	I	Lgn	Br		2F
424.416	VI	D	P	T	A	N	Br	I	Gn	Br		3N
424.433	VI	D	W	G	E	N	Tn	S	Y	Y		2N
424.434	VI	D	P	T	E	Ssp	Tn	I	Ggn	Bl		2N
424.437	VI	D	P	T	Sa	Sp	Br	I	Gn	Bl	Gnc	2N
424.438	VI	D	P	T	E	N	Br	I	Bl	Bl		2F
424.442	VI	D	P	Ng	Sa	Sp	Tn	I	Bl	Bl	Net	4N
424.447	VI	N	P	T	A	N	Br	I	Rbr	Rbr		2N
424.453	VI	D	P	G	E	N	Tn	I	Y	Bf		2N
424.456	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	3N
424.461	VI	D	P	T	E	N	Dbr	I	Gn	Bl		2N
424.464	VI	D	P	T	Sa	N	Br	I	Gn	Br		2N
424.473	VI	N	W	G	Sa	N	Tn	I	Rbf	Rbf	Sdef	3N
424.478	VI	D	P	T	E	N	Bl	I	Bl	Bl		2N
424.501	VI	D	P	G	A	N	Tn	I	Gn	Bf	Sdef	2N
424.502	VI	D	P	G	A	N	Tn	I	Gn	Bf	Sdef	2N
424.534	VI	D	P	T	Sa	N	Tn	I	Bl	Bl		2F
424.591	VI	D	W	T	E	N	Br	I	Y	Br		2N
424.594	VI	D	P	G	A	N	Bl	I	Gn	Bf	Gnc	2N
424.595	VI	N	P	T	E	N	Br	I	Bl	Bl		3N
427.241	VI	N	P	T	E	N	Br	I	Bl	Bl	Flk	4F
430.600C	VI	D	P	T	A	N	Tn	I	Y	Bl		2N
437.667	VI	N	P	T	A	N	Tn	I	Y	Brbl		3N
437.708	VI	N	P	T	E	N	Br	I	Bl	Bl	Flk	4F

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
437.726	VI	D	W	G	E	N	Tn	I	Y	Lbf	Vhil	2N
437.730	VI	D	P	T	A	N	Tn	I	Y	Br		2N
438.280	VI	D	W	G	Sa	N	Tn	I	Y	Bf		2N
438.284	VII	D	W	T	A	N	Br	I	Y	Brbl		2N
438.342	VI	N	W	Ng	E	N	Bl	I	Bl	Bl	Flk	4F
438.426	VI	N	P	T	A	N	Br	I	Br	Br	Vhil	3N
438.431	VI	D	P	G	E	N	Br	I	Gn	Lbf	Vhil	2N
438.438	VI	D	W	T	A	N	Br	I	Br	Br		2N
458.122	VI	D	P	G	Sa	N	Bl	I	Gn	Gn	Gnc,Vhil	2N
458.155	VI	D	P	G	E	N	Tn	I	Y	Bf		2N
458.187	VI	D	P	T	E	N	Br	I	Bl	Bl		2N
458.206	VI	D	P	T	E	N	Br	I	Bl	Bl	Snet	2N
458.210	VI	D	P	T	A	Ssp	Br	I	Bl	Bl		2N
458.212	VI	N	P	T	E	Ssp	Br	I	Rbr	Rbr		2N
458.213	VI	D	P	T	A	N	Br	I	Bl	Bl	Snet	2N
458.220	VI	D	P	G	E	N	Tn	I	Y	Ib	Vhil	2N
458.228	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc,Sdef	2N
458.241	VI	D	P	T	E	N	Br	I	Gn	Bl	Sdef,Gnc	2N
458.243	VI	D	P	T	Sa	N	Br	I	Gn	Bl	Gnc,Sdef	2N
458.251	VI	D	P	T	A	N	Br	I	Bl	Bl	Snet	3N
458.257	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc,Sdef	2N
464.932	VI	D	W	G	E	N	Tn	I	Y	Bf		3N
468.130	VI	N	P	T	E	N	Br	I	Br	Br	Sw	4F
468.131	VI	N	P	T	Sa	N	Br	I	Bl	Bl	Flk,Sw	4F
468.964	VI	D	P	T	Sa	N	Br	I	Lgn	Br	Wa	2N
468.966	VI	D	P	T	A	N	Tn	I	Y	Br	Sdef	3N
471.903	VI	S	W	T	E	N	Tn	I	Y	Br		2N
471.927	VI	N	W	T	A	N	Br	I	Br	Br	Lft5	2F
471.940	VI	D	W	T	A	N	Br	I	Br	Br	Lft4	2N
476.885	VI	D	W	G	A	N	Tn	I	Y	Bf		4N
476.897	VI	D	W	T	A	N	Tn	I	Y	Bl		2N
476.900	VI	D	P	T	A	N	Tn	I	Y	Brbl		3N
476.907	VI	S	P	T	A	N	Tn	I	Y	Brbl		3N
476.916	VI	D	P	T	A	N	Tn	I	Y	Brbl		3N
476.918	VI	S	W	G	Sa	N	Tn	I	Y	Bf		2N
476.925	VI	S	W	G	A	N	Tn	I	Y	Bf		2N
476.930	VI	S	P	T	Sa	N	Tn	I	Lgn	Br		2N
476.934	VI	S	W	G	A	N	Tn	I	Y	Bf		4N
486.335	VI	D	P	T	A	N	Tn	I	Y	Br		2N
494.181	VI	D	P	G	E	N	Tn	I	Y	Y		2N
494.851	VI	D	W	G	E	N	Tn	I	Y	Lbf	Vhil	2N
504.507	VI	D	W	T	A	N	Br	I	Br	Br		2N
506.471	VI	D	P	T	E	Ssp	Tn	I	Y	Lbr	Sdef,Vhil	2N
506.473	VI	D	P	G	A	N	Br	I	Y	Y	Vhil	2N
506.483	VI	D	P	G	A	N	Br	D	Y	Lbf	Vhil	2N
506.484	VI	D	W	T	E	Ssp	Br	D	Ggn	Bl		2N
506.486	VI	D	W	G	E	Ssp	Br	I	Rbf	Rbf		2N
506.493	VI	D	W	T	A	N	Br	I	Y	Lbr	Vhil	2N
506.494	VI	D	P	T	A	N	Br	D	Y	Lbr	Vhil	2N
506.495	VI	D	P	T	A	Ssp	Tn	I	Y	Lbr	Vhil	3N
506.496	VI	D	W	T	Sa	N	Br	I	Y	Lbr	Vhil	2N
506.497	VI	D	W	T	Sa	N	Br	I	Y	Br		2N
506.500	VI	D	P	T	E	N	Br	I	Y	Br		2N
506.501	VI	D	P	T	A	N	Br	I	Y	Lbr	Vhil	2N
506.502	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.503	VI	D	P	G	A	N	Br	I	Y	Y		2N
506.505	VI	D	W	G	Sa	N	Br	I	Gn	Lbf	Vhil	2N
506.513	VI	D	P	T	A	Ssp	Br	I	Y	Br		2N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
506.514	VI	D	P	G	A	N	Br	I	Y	Y		2N
506.531	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	2N
506.533	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3N
506.534	VI	D	P	G	E	N	Bl	I	Gn	Bf	Gnc	2N
506.536	VI	D	P	T	Sa	N	Br	I	Gn	Bl	Gnc	2N
506.537	VI	D	P	T	A	N	Br	I	Gn	Bl	Gnc	3N
506.539	VI	D	P	T	A	N	Br	I	Gn	Bl	Gnc	4F
506.540	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3N
506.543	VI	D	P	Ng	E	Ssp	Br	I	Gn	Bl	Gnc	3F
506.544	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	3N
506.545	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	2N
506.546	VI	D	P	G	E	N	Bl	I	Gn	Bf	Gnc	2N
506.551	VI	D	P	T	Sa	N	Br	I	Gn	Bl	Gnc,Vhil	3N
506.554	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	2N
506.559	VI	D	W	G	Sa	N	Bl	I	Gn	Bf	Gnc	2N
506.561	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	2N
506.564	VI	D	W	G	A	N	Bl	S	Gn	Bf		2N
506.566	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3F
506.567	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	2N
506.568	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	2N
506.569	VI	D	P	G	A	Ssp	Br	I	Gn	Gn		2N
506.571	VI	D	P	G	Sa	N	Bl	I	Gn	Bf	Gnc	2N
506.577	VI	D	P	T	A	N	Br	I	Gn	Br		3N
506.578	VI	D	W	G	E	N	Br	I	Y	Lbf	Vhil	1N
506.580	VI	D	P	T	A	N	Br	I	Y	Br		3N
506.584	VI	D	P	T	A	N	Br	I	Gn	Lbr		3N
506.585A	VI	D	P	G	A	N	Tn	S	Y	Bf	Sdef	2N
506.589	VI	D	P	G	A	N	Tn	I	Y	Bf	Sdef	2N
506.604	VI	D	P	T	E	Sp	Br	I	Gn	Br	Gnc	3F
506.606	VI	D	P	T	Sa	N	Br	I	Gn	Bl		4F
506.611	VI	D	W	T	Sa	Ssp	Br	I	Gn	Bl		2N
506.612	VI	D	P	T	E	N	Br	I	Gn	Bl	Sad,Gnc	3F
506.613	VI	D	P	T	E	N	Br	I	Gn	Bl	Sad,Gnc	4F
506.614	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Sad,Gnc	3F
506.615	VI	D	P	T	E	N	Br	I	Gn	Bl	Sad,Gnc	4F
506.617	VI	D	P	T	E	N	Br	I	Gn	Bl	Sad,Gnc	3N
506.619	VI	D	P	T	Sa	N	Br	I	Gn	Bl	Sad,Gnc	3F
506.621	VI	D	P	T	E	N	Br	I	Gn	Bl		4F
506.622	VI	D	P	T	Sa	N	Br	I	Gn	Bl		4F
506.624	VI	D	P	T	E	N	Br	I	Gn	Br		3F
506.628	VI	D	P	T	E	N	Br	I	Lgn	Bl		3F
506.640	VI	D	P	G	A	N	Tn	I	Y	Bf		2N
506.643	VI	D	P	T	A	N	Br	I	Y	Br		3N
506.644	VI	D	P	G	A	N	Tn	I	Y	Bf		2N
506.648	VI	D	P	G	E	N	Tn	I	Y	Bf		2N
506.649	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	2N
506.650	VI	D	P	T	Sa	N	Br	I	Gn	Br	Gnc	2N
506.653	VI	D	P	G	A	N	Tn	I	Y	Bf		2N
506.656	VI	D	P	T	A	N	Tn	I	Y	Br		2N
506.664	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.667	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
506.670	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	4F
506.675	VI	D	P	G	A	N	Br	I	Y	Bf		2N
506.687	VI	D	P	G	A	N	Br	I	Y	Bf		2N
506.689	VI	D	W	G	Sa	N	Br	D	Y	Bf		2N
506.691	VI	D	P	G	A	N	Tn	I	Y	Lbf	Vhil	2N
506.695	VI	D	P	G	Sa	N	Tn	I	Y	Ib		2N
506.702	VI	D	W	G	Sa	N	Tn	I	Y	Bf		2N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
506.704	VI	D	W	T	A	N	Br	D	Y	Lbr	Vhil	2N
506.706	VI	D	W	G	A	N	Br	D	Y	Y	Sdef	2N
506.708	VI	D	P	G	Sa	N	Br	I	Y	Lbf	Vhil	2N
506.712	VI	D	P	G	A	N	Br	I	Y	Bf		2N
506.714	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
506.719	VI	D	P	G	A	N	Tn	I	Y	Bf		2N
506.725	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		3F
506.736	VI	D	W	T	A	N	Br	I	Y	Y		1N
506.739	VI	D	W	T	E	N	Br	I	Br	Br		2N
506.740	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.741	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.742	VI	D	P	G	Sa	N	Tn	I	Y	Bf		2N
506.743	VI	D	W	T	E	N	Br	I	Y	Br	Fasc	2N
506.747	VI	D	P	T	E	N	Br	I	Bl	Bl	Snet	2N
506.748	VI	D	P	T	E	N	Br	I	Bl	Bl	Snet	2N
506.750	VI	D	P	T	Sa	N	Br	I	Gn	Bl	Sad,Gnc	3N
506.753	VI	D	P	T	E	Ssp	Br	I	Gn	Lbr	Gnc,Vhil,Sdef	2F
506.754	VI	D	W	T	A	N	Br	I	Y	Br		2N
506.761	VI	D	P	Lt	A	N	Tn	I	Y	Lbf	Vhil,Sdef	2N
506.763	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
506.768	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.772	VI	D	W	G	Sa	N	Br	I	Y	Bf		2N
506.773	VI	D	W	T	A	N	Br	I	Y	Br		1N
506.775	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.776	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.777	VI	D	P	T	Sa	N	Br	I	Y	Br		2N
506.778	VI	D	P	T	Sa	Ssp	Tn	I	Lgn	Bl	Sad	4F
506.786	VI	D	W	G	A	N	Br	I	Y	Lbf	Vhil	3N
506.792	VI	D	P	T	A	N	Br	I	Gn	Bl	Gnc	3N
506.793	VII	D	P	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	2N
506.795	VI	D	W	T	A	N	Br	I	Gn	Bl	Gnc	4N
506.796	VI	D	W	G	A	N	Br	I	Y	Y		2N
506.798	VI	D	P	T	A	N	Br	I	Gn	Gn	Gnc,Vhil	2N
506.802	VI	D	W	T	Sa	Ssp	Br	S	Bl	Bl	Snet	2N
506.822	VI	D	P	G	A	N	Tn	I	Y	Y	Vhil	2N
506.828	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
506.871	VI	D	W	T	E	N	Br	I	Y	Br		2N
506.878	VI	D	W	T	Sa	N	Tn	I	Y	Br	Fasc	2N
506.884	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	2N
506.885	VI	D	W	G	Sa	N	Bl	I	Gn	Bf	Gnc	2N
506.886	VI	D	P	T	E	N	Br	I	Gn	G	Gnc	2N
506.888	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
506.902	VI	D	P	T	A	N	Br	I	Y	Br		2N
506.904	VI	D	P	T	A	N	Br	I	Y	Br		3N
506.905	VI	D	W	G	A	N	Br	I	Y	Lbf	Vhil	1N
506.907	VI	D	P	G	A	N	Tn	I	Y	Lbf	Vhil	2N
506.908	VI	D	W	T	Sa	N	Br	I	Y	Br		3N
506.910	VI	D	P	G	Sa	N	Br	I	Y	Lbf	Vhil	1N
506.921	VI	D	W	G	Sa	N	Br	I	Lgn	Bf		2N
506.922	VI	D	P	T	Sa	Ssp	Br	I	Y	Br		3N
506.926	VI	D	W	T	A	N	Br	I	Y	Y		2N
506.939	VI	N	W	T	Sa	N	Tn	I	Y	Br		2N
506.946	VI	D	P	T	A	N	Br	I	Y	Lbr	Vhil	3N
506.948	VI	D	W	T	E	Ssp	Br	I	Gn	Bl	Sad	4N
506.950	VI	D	W	G	A	N	Br	I	Y	Y		2N
506.952	VI	D	P	T	E	Sp	Br	I	Bl	Bl		4F
506.953	VI	D	P	T	E	N	Br	D	Bl	Bl		2N
506.955	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		4F

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
506.956	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		4F
506.962	VI	D	W	T	E	N	Br	I	Bl	Bl		3N
506.964	VI	D	P	T	E	Ssp	Tn	I	Bl	Bl		3F
506.965	VI	D	P	T	A	N	Br	I	Bl	Bl	Gnc	3N
506.966	VI	D	P	T	A	N	Br	I	Bl	Bl	Gnc	3N
506.967	VI	D	W	T	Sa	N	Br	I	Bl	Bl	Snet	2N
506.968	VI	D	W	T	A	N	Tn	I	Bl	Bl	Snet	2N
506.970	VI	D	P	T	A	N	Br	I	Bl	Bl	Gnc	2F
506.971	VI	D	W	T	A	N	Tn	I	Bl	Bl	Snet	2N
506.972	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl	Gnc	2N
506.974	VI	D	P	T	Sa	Ssp	Br	I	Bl	Bl		2N
506.976	VI	D	P	T	E	Ssp	Br	I	Bl	Bl	Gnc	2N
506.978	VI	D	P	T	E	N	Tn	I	Bl	Bl		4F
506.979	VI	D	P	T	Sa	N	Br	I	Bl	Bl		3F
506.980	VI	D	P	T	Sa	N	Br	I	Bl	Bl	Snet	3F
506.984	VI	D	W	T	Sa	N	Tn	I	Bl	Bl	Snet	2N
506.991	VI	D	P	T	E	Ssp	Br	I	Bl	Bl	Snet	4F
506.996	VI	D	P	T	Sa	N	Tn	I	Bl	Bl	Snet	5F
507.001	VI	D	W	T	Sa	N	Bl	I	Y	Br		2N
507.003	VI	D	P	G	E	N	Tn	I	Y	Bf		2N
507.006	VI	D	P	G	Sa	N	Tn	I	Y	Bf		3N
507.007	VI	D	W	G	A	N	Br	I	Y	Bf		3N
507.009	VI	D	P	G	Sa	N	Br	I	Y	Ib	Vhil	2N
507.011	VI	D	W	G	A	N	Tn	I	Y	Bf	Sdef	2N
507.012	VI	D	P	T	A	Sdn	Br	I	Y	Lbr	Vhil	2N
507.030	VI	D	P	G	A	N	Br	S	Y	Ib		2N
507.036	VI	D	P	G	A	N	Tn	I	Y	Y		2N
507.037	VI	D	P	G	A	N	Br	I	Y	Y		2N
507.044	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Sad	4N
507.049	VI	D	W	T	Sa	N	Tn	I	Y	Br		2N
507.050	VI	D	W	G	A	N	Br	I	Y	Y		2N
507.057	VI	D	P	G	Sa	N	Br	I	Y	Y	Def	2N
507.068	VI	D	P	G	A	N	Tn	I	Y	Lbf	Def,Vhil	2N
507.069	VI	D	P	G	Sa	N	Tn	I	Y	Bf		2N
507.070	VI	D	P	G	Sa	N	Tn	I	Y	Bf		2N
507.074	VI	D	P	Ng	E	Ssp	Br	I	Gn	Bl	Gnc	3F
507.078	VI	D	P	G	A	N	Tn	I	Y	Lbf		2N
507.084	VI	D	P	G	A	N	Br	I	Y	Y	Sdef,Vhil	2N
507.085	VI	D	P	T	A	N	Tn	I	Y	Br		2N
507.088	VI	D	P	G	Sa	N	Tn	I	Y	Y		2N
507.099	VI	D	W	G	A	N	Br	I	Gn	Lbf	Vhil	2N
507.103	VI	D	W	T	Sa	N	Br	I	Y	Y	Sdef	2N
507.105	VI	D	W	T	Sa	N	Br	I	Y	Y		2N
507.109	VI	D	P	T	E	N	Br	I	Gn	Bl		3N
507.110	VI	D	P	T	E	N	Br	I	Gn	Bl	Sad	4F
507.111	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	3N
507.112	VI	D	P	Ng	E	N	Br	I	Gn	Bl	Gnc	3F
507.113	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	3F
507.114	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	2N
507.116	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	3N
507.117A	VI	D	P	Ng	E	N	Br	I	Gn	Bl	Gnc	3N
507.117B	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	3N
507.118	VI	D	P	T	A	N	Br	I	Gn	Lbr	Gnc,Vhil	2N
507.119	VI	D	P	G	A	N	Br	S	Y	Bf		2N
507.120	VI	D	P	G	Sa	N	Br	I	Y	Y		2N
507.122	VI	D	W	T	E	N	Br	I	Y	Br		3N
507.136	VI	D	P	T	A	N	Br	I	Y	Br		2N
507.140	VI	D	P	T	E	N	Br	I	Gn	Bl		3F

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
507.142	VI	D	P	G	Sa	N	Br	I	Y	Bf		2N
507.143	VI	D	P	T	E	N	Br	I	Gn	Bl	Sad	4F
507.187	VI	D	P	T	A	N	Br	I	Y	Br		2N
507.192	VI	D	P	G	E	Ssp	Br	I	Y	Y		2N
507.205	VI	D	P	G	A	N	Tn	S	Y	Bf		2N
507.206	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	2N
507.208	VI	D	W	G	Sa	Ssp	Br	I	Rbf	Rbf	Snet	1N
507.210	VI	D	P	G	Sa	N	Br	I	Y	Y	Sdef,Snet	2N
507.211	VI	D	W	G	A	N	Br	I	Y	Y	Sdef	1N
507.214	VI	D	W	G	A	N	Br	I	Y	Y	Sdef,Snet	2N
507.215	VI	D	P	G	A	N	Tn	S	Y	Bf		2N
507.216A	VI	D	P	T	A	N	Br	I	Y	Br		2N
507.216B	VI	D	P	T	E	N	Br	I	Y	Y		2N
507.219	VI	D	P	T	A	N	Br	I	Y	Lbr	Vhil	3N
507.223	VI	D	W	T	Sa	N	Br	I	Y	Br	Fasc	2N
507.224	VI	D	W	T	E	N	Tn	I	Y	Br	Fasc	2N
507.225	VI	D	W	T	E	N	Tn	I	Y	Br	Fasc	2N
507.228	VI	D	P	T	A	N	Br	I	Gn	Br		2N
507.231	VI	D	P	T	A	N	Br	I	Lgn	Br	Sdef	2N
507.236	VI	D	P	G	A	N	Br	I	Y	Bf		2N
507.247	VI	D	P	G	A	N	Br	I	Y	Bf		2N
507.250	VI	D	P	G	A	N	Tn	I	Y	Lbf	Vhil	2N
507.251	VI	D	P	G	Sa	N	Tn	I	Y	Lbf		2N
507.254	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
507.257	VI	D	P	G	Sa	N	Br	I	Y	Bf		2N
507.262	VI	D	P	T	A	N	Tn	I	Y	Br		2N
507.264	VI	D	P	T	E	Ssp	Br	I	Gn	Br		4F
507.276	VI	D	P	G	A	N	Br	I	Y	Bf		2N
507.278	VI	D	P	T	Sa	N	Br	I	Y	Br		2N
507.289	VI	D	W	G	A	N	Br	I	Y	Y	Sdef	2N
507.292	VI	D	P	G	A	N	Tn	I	Y	Y		2N
507.298	VI	D	P	G	E	N	Bl	I	Gn	Bf	Gnc	2N
507.299	VI	D	W	T	A	N	Br	I	Y	Y		1N
507.300	VI	D	P	G	A	N	Br	I	Y	Y		2N
507.302	VI	D	P	G	Sa	N	Tn	S	Y	Bf		2N
507.310	VI	D	P	G	E	N	Br	I	Y	Y		2N
507.322	VI	D	P	T	Sa	N	Br	S	Y	Br		2N
507.326	VI	D	P	G	A	N	Br	I	Y	Lbf	Vhil	2N
507.327	VI	D	P	G	Sa	N	Br	I	Y	Y		2N
507.329	VII	D	P	G	A	N	Tn	I	Y	Bf		3N
507.335	VI	D	P	T	A	N	Br	I	Y	Br		3N
507.337	VI	D	P	T	A	Sp	Br	I	Gn	Lbr	Vhil	3N
507.338	VI	D	W	G	Sa	Ssp	Br	I	Y	Y		2N
507.340	VI	D	P	G	A	N	Br	I	Y	Ib	Vhil	2N
507.342	VI	D	W	T	A	N	Br	I	Y	Y		1N
507.343	VI	D	W	T	Sa	N	Tn	I	Y	Y		2N
507.346	VI	D	P	G	A	N	Br	I	Y	Ig		2N
507.356	VI	D	P	G	A	N	Tn	I	Y	Y		2N
507.357	VI	D	P	T	A	N	Br	I	Y	Lbr		2N
507.358	VI	D	P	G	A	N	Tn	S	Y	Bf		2N
507.360	VI	D	P	G	Sa	N	Tn	I	Y	Lbf	Vhil	1N
507.377	VI	D	P	G	A	N	Br	I	Y	Y		2N
507.380	VI	D	W	G	Sa	N	Tn	I	Y	Y		2N
507.381	VI	D	W	G	E	N	Tn	I	Y	Y	Sdef	2N
507.394	VI	D	P	G	Sa	N	Br	I	Y	Y	Def	3N
507.414	VI	D	P	G	E	N	Br	I	Y	Y		2N
507.421	VI	D	W	G	A	N	Br	I	Y	Y		2N
507.422	VI	D	P	G	Sa	N	Tn	I	Y	Lbf	Vhil	2N

Table 2.1. Descriptive data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
507.423	VI	D	P	G	A	N	Tn	I	Y	Bf	Sdef	2N
507.428	VI	D	P	G	Sa	N	Br	I	Y	Y	Sdef	3N
507.444	VI	D	P	G	Sa	N	Br	I	Y	Y	Sdef	2N
507.451	VI	D	W	G	Sa	N	Tn	I	Y	Y	Sdef	2N
507.452	VI	D	P	G	A	N	Br	I	Y	Y		2N
507.457	VI	D	W	T	E	Ssp	Br	I	Bl	Bl		2N
507.459	VI	D	P	G	Sa	N	Tn	I	Y	Y		2N
507.470	VI	D	P	G	E	N	Br	I	Y	Bf		2N
507.476	VI	D	P	G	E	N	Tn	I	Y	Y	Na	2N
507.478	VI	D	P	G	A	N	Br	I	Y	Y	Cd	2N
507.479	VI	N	W	G	E	N	Br	I	Y	Y	Cd	2N
507.484	VI	D	P	G	E	Ssp	Br	I	Y	Y		2N
507.488	VI	D	W	G	Sa	N	Br	I	Y	Y		2N
507.495	VI	D	P	G	A	N	Br	I	Y	Bf	Def	2N
507.496	VI	D	W	T	A	N	Tn	I	Y	Br	Sabh	2N
507.497	VI	D	W	G	Sa	N	Br	I	Y	Y		2N
507.499	VI	D	P	G	A	N	Br	I	Y	Y		2N
507.503	VI	D	P	T	A	N	Br	I	Gn	Br		3N
507.504	VI	D	W	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	3N
507.505	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	2N
507.506	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3N
507.507	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3N
507.508	VI	D	P	T	E	N	Br	I	Gn	Br	Sad	3F
507.511	VI	D	P	T	E	N	Br	I	Gn	Bl	Gnc	3N
507.512	VI	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	3N
507.514	VI	D	W	T	A	N	Br	I	Y	Br		2N
507.533	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	3N
507.536	VI	D	P	G	A	N	Br	I	Gn	Bf		3N
507.557	VI	D	P	G	A	N	Br	I	Y	Bf		2N
507.558	VI	D	P	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	3N
507.559	VI	D	P	T	E	N	Br	I	Gn	Gn	Gnc	3N
507.577	VI	D	P	G	E	N	Br	I	Y	Y		3N
507.579	VI	D	P	T	Sa	N	Br	I	Gn	Bl	Gnc	3F
509.077	VI	N	P	T	E	Ssp	Tn	I	Bl	Bl		4N
509.084	VI	D	P	G	E	N	Br	I	Bf	Bf		3N
509.086	VI	D	P	T	E	N	Br	I	Br	Br	Net	3N
509.090	VI	D	W	T	Sa	N	Tn	I	Y	Bl		1N
509.093	VI	D	P	T	E	Ssp	Br	I	Gn	Bl		3N
509.094	VI	N	P	T	E	N	Tn	I	Bl	Bl		3N
509.102	VI	D	P	T	E	Ssp	Tn	I	G	G		2N
509.104	VI	N	P	Ng	E	N	Br	I	Bl	Bl		3N
509.108	VI	N	P	Ng	E	N	Br	I	Bl	Bl		2N
518.296	VI	N	P	G	A	N	Br	I	Y	Bf	Vhil,Na	2N
518.297	VI	D	W	T	E	N	Tn	I	Y	Br		2N
518.726	VI	S	P	T	A	N	Tn	I	Y	Br		2N
518.727	VI	D	P	T	A	N	Tn	I	Y	Bl		3N
520.732	VI	D	P	T	Sa	N	Br	I	Rbr	Rbr		2N

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
Arksoy	720*	1009	2.0*	77*	1.0	1.0	1.5	1.7	1.5	10.8	1.31
Armredo	728	1003	1.5	73*	1.0	1.0	1.5	2.5*	3.0	7.1	0.87
Brim	722	1008	3.0	98*	1.0	1.0	1.5	2.0	1.5	9.5	2.11
Bryan	724	1011	2.0*	89*	1.0	1.0	1.0	2.2*	2.5	10.4	1.98
Centennial	725	1011	3.0*	90*	1.0	1.0	1.0	2.0	2.0	9.0	1.64
Choska	715	1007	1.5	75*	1.0	1.0	1.5	1.7*	1.0	12.2	2.10
Davis	724	1007	2.5	91*	1.0	1.0	1.5	2.0	1.5	10.0	1.63
Delsoy	725	1007	2.0*	59*	1.0	1.0	1.5	2.0*	2.0	10.3	0.86
Easycook	720*	1007	3.0*	61*	1.0	1.0	1.5	1.7*	1.0	11.0	1.26
Gail	715	1005	1.0	55*	1.0	1.0	2.0	3.0	2.5	15.2	1.58
Haberlandt	712	930	1.0	59	1.0	1.0	2.5	2.0	1.0	14.1	1.18
Hahto	713*	1007	1.5	59*	1.0	2.0	3.5	2.5	2.0*	28.1*	0.96
Hayseed	725	1003	3.5	169*	3.0	1.0	3.0	2.0	4.0	7.0	1.18
Hood	720	1006	2.0*	77*	1.0	1.0	1.5	1.7	1.0	10.6	1.93
Hood 75	720	1006	2.0*	66*	1.0	1.0	1.5	1.7	1.0	12.4	1.81
Jeff	726	1010	3.5	97*	1.0	1.0	1.5	1.7	2.0	10.0	1.34
Kershaw	725	1007	3.0*	109*	1.0	1.0	2.0	2.0	1.0	10.3	1.52
Lamar	726	1014	3.0	72*	1.0	1.0	1.5	2.0	2.0	10.5	1.25
Laredo	730	1002	3.5	140*	5.0	1.0	3.0	2.2	—	4.1	0.33
Lee	722	1010	2.5	70*	1.0	1.0	1.5	1.7	1.5	9.7	1.55
Lee 68	721	1010	2.5	77	1.0	1.0	1.5	1.7	2.0	10.1	1.49
Leflore	725	1014	2.5	99*	1.0	1.0	2.0	2.2	2.0	10.5	1.61
Lloyd	725	1013	3.0*	108*	1.0	1.0	1.0	2.0	2.0	7.8	0.85
Magnolia	725	1018	4.5	137	3.0	1.0	1.0	2.2	1.5	9.2	1.09
Mamredo	725	1019	3.0	87*	1.0	1.0	1.5	1.7	2.0	10.4	1.16
Ogden	722	1010	1.5	67*	1.0	1.0	2.0	2.0	1.0	11.4	1.61
Old Dominion	726	1004	3.5	133*	5.0	1.5	3.5	2.2	—	5.7	1.24
Pickett	725	1013	2.5	66	1.0	1.0	1.5	2.2	1.5	9.0	1.54
Pickett 71	724	1011	3.0*	64*	1.0	1.0	2.0	2.0	2.0	9.6	1.25
Pine Dell Perfection	718	1002	3.5	117*	3.0	1.0	4.0	2.5	—	9.4	1.29
Ralsoy	721*	1008	2.0*	73*	1.0	1.0	1.5	1.7	1.5	10.8	1.09
Rokusun	720	1019	3.0	73	1.0	1.0	2.0	3.5*	1.5	36.8	0.73
Rose Non Pop	722	1012	2.0*	77*	1.0	1.0	1.0	2.0	2.5	11.6	0.79
Sharkey	721	1012	3.5	120*	1.0	1.0	1.0	2.2	2.0	11.2	1.39
Sohoma	716	1008	1.5	68*	1.0	1.0	1.0	2.0	1.5	12.9	1.99
Tracy	717	1007	3.0	87*	1.0	1.0	1.5	2.2*	2.0	11.1	1.37
Tracy-M	717	1007	2.5	85	1.0	1.0	1.0	2.0	2.0	11.2	1.44
Twiggs	712	1002	2.5	69*	1.0	1.0	1.0	2.0	2.0	10.2	1.40
Young	724	1009	3.0	78*	1.0	1.0	1.0	2.0	1.5	10.9	1.56
FC 03.659	725	1011	4.0	135	3.0	1.5	3.0*	2.2	1.5	8.5	0.71
FC 03.981	720	1011	2.5	95*	1.0	1.0	2.5	2.5	2.0	15.6	1.59
FC 31.665	802	1015	2.0	95*	1.0	1.5	3.0*	2.0	2.0	16.5	1.08
FC 31.700	720	1007	3.5	87*	1.0	1.0	3.5	2.7*	2.5	13.9	1.04
FC 31.709	720	1016	2.5	80*	1.0	1.0	1.5	2.2	1.5	17.0	1.47
FC 31.745	714	1006	2.5	69*	1.0	2.0	4.5	2.2	3.0	15.6	1.35
FC 31.933	718	1009	2.5	75*	1.0	1.0	2.5	1.7	2.0	11.4	1.74
FC 31.935	720	1007	4.0	95	1.0	1.5	3.0	2.0	2.5	10.8	1.60
FC 31.943	714	1013	1.5	58	1.0	1.0	1.0	2.2*	1.5	20.1	1.35
FC 32.175	723*	1015	2.0	74*	1.0	1.0	1.0	2.0	2.0	9.5	1.42
36.906	723*	1009	3.5	130*	3.0	1.0	1.5	2.2	2.0	11.2	1.73
54.610	715	1002	4.0	120*	3.0	1.0	2.5	3.0*	1.5	14.0	1.03
79.825	724	1019	3.0	125	2.0*	1.0	2.0	2.7*	1.5	13.2	0.88
79.862	715	1002	2.0	64*	1.0	1.0	2.0	2.5*	2.0	10.3	1.04
80.468	712	1006	2.0*	52*	1.0	1.0	1.0	2.0	1.5	9.8	0.73
80.476	715	1006	3.5	85*	3.0	1.0	1.0	2.5	2.0	11.5	1.36

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
81.037	728	1010	4.5	145*	3.0	1.0	1.0	2.5	2.0	11.9	1.07
82.312	801	1022*	4.0	140*	3.0	1.0	1.0	2.5	2.5	10.2*	0.94
85.010	801	1017*	3.0*	79*	1.0	1.0	1.0	2.2	2.5	9.5	1.17
85.465	726*	1014	5.0	138*	3.0	1.0	2.0	2.0	2.0	9.1	1.49
85.476	727	1014	2.0	101	1.0	1.0	2.0	2.2	2.0	12.0	1.74
85.490	801	1023*	2.5	75*	1.0	1.0	1.5	2.0	2.0	12.5	1.45
86.091	709*	1004	4.0	124*	3.0	1.5	2.5	3.0	3.0	13.8	1.10
86.109	715	1001	4.0	115*	3.0	1.0	2.0	2.2	3.5	8.2	0.63
86.490	809	1011	3.0	75*	1.0	1.5	4.5	2.0	2.0	3.5	0.60
86.904	728	1015	3.5	105	3.0	1.0	1.5	2.5	2.5	7.6	0.51
87.968	731	1011	3.0	95	1.0	1.0	1.0	2.0	2.5	11.9*	0.76
88.461	716	1008	4.5	110*	3.0	1.0	1.5	2.0	2.5	11.7	1.66
88.816S	801	1015	2.5	79*	1.0	1.0	1.0	2.0	2.0	10.4	1.08
89.775	728	1012	4.0	112	3.0	1.5	1.0	2.2	2.0	12.5*	0.74
90.406	718	1006	4.0	124	3.0	1.0	2.5	3.0	2.5	13.7	1.20
90.495	715	1007	3.5	89*	3.0	1.0	1.5	2.2	2.0	14.9*	1.30
90.499	715	1011*	2.0	61*	1.0	1.5	2.5	2.7*	2.0	12.3*	0.81
90.577	723*	1005	4.0	137*	3.0	1.0	2.0	2.2	2.0	10.5*	0.78
90.768	728	1018	3.0	82*	1.0	1.0	1.5	2.0	1.5	10.6	1.06
92.567	713*	1007	3.0	98*	3.0	1.0	2.5	2.5	2.0	8.8	0.70
92.601	724	1013	2.5	70*	1.0	2.0	3.0*	2.2*	1.5	8.7	0.64
92.707S	715	1014	3.0	105	3.0	1.0	2.0	2.2	2.5	9.5	1.03
94.159	726*	1015	3.0*	121*	2.0*	1.5	2.0*	2.2	3.0	10.0	0.98
95.860	730	1014	3.5	95	1.0	1.0	3.0*	2.2	2.0	12.2	1.65
95.969	727	1012	2.5	75*	1.0	1.0	1.0	2.2	1.5	17.6*	1.52
96.035	724	1012	2.0	68*	1.0	1.0	1.0	2.0	2.5	11.5	1.22
96.257	718	1008	2.5*	72*	1.0	1.0	1.0	2.0	2.0	11.0	1.42
96.354	716	1007	3.5	146+	3.0	1.5	1.5	2.7*	2.0	11.2	0.89
97.150	725	1017*	3.5	142	3.0	1.0	2.0	2.5	3.0	11.9	1.03
97.161	716	1004	2.0*	67*	1.0	1.0	2.5	2.0	1.5	15.0	1.45
148.260	724	1004	4.5	125*	3.0	1.0	3.0*	2.0	1.5	12.9	1.11
157.469	714	1011	1.5	51*	1.0	1.0	2.5	2.7	2.0	21.0	0.98
157.475	716	1007	1.0	52*	1.0	2.0	3.0*	2.2	3.0*	5.8	0.40
157.476	720	1013	4.5	141*	3.0	1.0	1.0	2.5	3.5	15.7	0.36
157.487A	724	1020	3.0	127*	3.0	1.0	1.0	2.0	1.5	9.8	0.95
157.488	802	1020	2.0	99*	1.0	1.0	2.5	2.0	2.0	14.8	1.12
159.321	715	1006	3.5	109*	3.0	1.0	2.0^	2.2	2.0	11.7	0.28
159.322	717	1008	4.0	127	3.0	1.0	2.0	2.5	2.5	12.5	1.34
159.923A	716	1004	1.0	71*	1.0	1.0	2.5	2.2	2.5	15.9	1.29
165.672	801	1020	3.0	121	2.0*	1.0	2.0	2.7	2.5	19.0	0.99
165.673	813	1018	3.0	106	2.0*	1.0	2.0	2.2	2.0	10.7	0.76
166.147	725	1019	4.0	120*	3.0	1.0	1.5	2.0	2.5	12.0	1.28
170.886	721	1008	4.0	121	3.0	1.0	2.5	2.2	2.5	9.8	0.77
170.887	716	1004	4.0	97*	3.0	1.0	3.0^	2.2	2.5	10.2	0.19
170.888	725	1018	4.5	135+	3.0	1.0	1.5	2.2	2.0	11.8	1.02
170.889	730	1019	4.0	110*	1.0	1.0	1.0	2.0	1.5	8.1	1.07
170.890	727	1019	4.0	130+	3.0	1.0	1.0	2.5	2.0	9.7	0.59
170.891	725	1007	4.0	115	3.0	1.0	1.5	2.0	2.0	12.1	0.90
170.892	730	1014	3.0	76	2.0*	1.5	1.5	2.2	2.0	9.9	0.18
171.436	813	1022	3.0	102	1.0	1.0	1.5	2.0	2.0	5.7	0.82
171.437	727	1010	3.0	77	2.0*	2.0	4.5	2.5	3.5	3.8	0.63
171.439	804	1015	2.0	75*	1.0	2.0	3.5	2.2	2.0	12.9	1.35
171.440	727*	1015	3.5	112*	1.0	1.0	1.5	2.7	2.0	15.5	1.07
171.441	730	1002	4.0*	90*	5.0	1.5	4.5	2.0	—	6.5*	0.58
171.443	725	1007	3.5	93	3.0	1.0	1.0	1.7	—	6.7*	0.85
171.444	718	1002	4.0*	87*	3.0	1.5	5.0^	2.0	—	4.9	0.26

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
174.862	727	1006	5.0	140*	5.0	1.0	4.0*	2.2	—	4.6	0.41
174.863	715	930	4.5	112*	3.0	1.0	5.0	2.2	—	4.0	0.51
175.174	812	1007	5.0	82	5.0	1.0	4.0*	3.0^	4.0^	2.5^	0.06
175.187	727	1007	5.0	105	5.0	1.0	1.0	2.2	—	3.7	0.28
175.189	728	1010	5.0	140+	4.0*	1.5	1.5	2.2	—	3.7	0.26
175.192	718	1007	5.0	82*	5.0	1.5	4.0	2.2	—	3.9	0.32
175.193	728	1007	5.0	160+	5.0	1.0	1.5	2.2	—	3.5	0.33
175.194	728*	1007	5.0	130*	5.0	1.0	3.5	2.2	—	3.4	0.26
175.195	726*	1007	5.0	140*	5.0	1.0	2.0*	2.2	—	4.7	0.34
175.196	718	1005	5.0	160+	5.0	1.5	3.5	2.2	—	4.1	0.34
175.198	716	1005	5.0	180+	5.0	1.0	4.0	2.2	—	4.2	0.43
175.199	724*	1007	5.0	140+	5.0	1.0	3.5	2.2	—	3.9	0.35
181.556	716	1003	1.5	55	1.0	2.0	3.5	2.0	1.5	14.8	1.14
181.559	720	1005	3.0	67*	1.0	1.0	2.5	2.5	2.0	12.0	1.22
181.561	716	1014	2.0	78*	1.0	1.0	2.5	2.7*	2.0	27.5	1.35
187.156	720	1007	2.0	74*	1.0	1.0	2.5	2.0	2.0	13.0	1.38
200.446	716	1004	2.0	59*	1.0	1.5	3.0*	2.2	2.0	13.3	1.20
200.449	806	1027	2.5	78*	1.0	1.0	2.5	2.5	2.5	12.5	0.98
200.461	718	1006	2.0*	63*	1.0	3.5	5.0	2.2	—	8.6	0.49
200.483	727	1002	2.0	83*	1.0	3.0	5.0	2.0	2.0	7.7	1.47
200.497	726*	1018	2.5	80*	1.0	1.5	2.5	2.5	—	16.2	0.97
200.502	802	1019	3.5	95	1.0	1.0	2.0*	2.2	3.5	9.8	1.15
200.505	723	1007	1.5	69*	1.0	1.0	3.5	1.7	2.5	11.4	1.30
200.553	804	1023*	4.0	85	1.0	1.0	2.0*	2.5	—	18.4*	1.21
201.421	720*	1011	2.5	72*	1.0	1.0	1.5	1.7	2.0	11.2	1.24
201.422	721	1010	4.0	103*	3.0	1.0	2.0	2.0	1.5	9.0	0.51
201.428	718	1013	4.0	125*	3.0	1.0	1.0	2.5	2.5	12.6	1.11
201.431	717	1006	4.0	137	3.0	1.0	1.0	2.2	2.5	13.5	1.02
205.384	718	1017*	3.0*	72	1.0	1.0	1.5	2.5	2.5	13.6	1.36
208.432	725	1003	2.0	74*	1.0	1.0	1.0	2.2	—	12.4	1.04
209.908	724*	1016*	3.5	100	3.0	1.0	1.5	2.2*	1.5	15.3*	0.48
212.604	727	1002	4.0*	85*	5.0	1.0	1.0^	3.0	3.5	4.1	0.16
212.605	730	1002	4.0*	77*	5.0	1.0	1.0	2.7	—	3.6	0.06
212.606	725	929	5.0	107*	5.0	1.0	3.0	3.5	3.5	5.3	0.26
212.716	728	1012	2.0	78	1.0	1.0	1.0	2.7	2.5	10.9	0.71
215.693	811	1017*	3.0	85	1.0	1.0	1.5	2.2	2.0	10.5	1.36
215.811	730*	1002	5.0	87	5.0	1.0	1.5	3.0	—	3.7	0.22
219.656	801	1008	3.5	102	2.0*	2.5	4.0	2.2	—	5.7	0.59
219.698	809	1016*	4.5	80	3.0	1.0	3.0*	2.7	4.5	4.3	0.15
219.732	728	1002	5.0	150*	5.0	1.0	3.0	3.0	—	3.5	0.36
221.713	716	1005	3.0	92	3.0	1.0	3.0*	2.5	2.0	8.9	0.45
221.714	801	1020	3.0	91	1.0	1.0	1.5	2.5	2.0	13.0	1.09
221.717	725	1012	2.0	81*	1.0	1.5	1.0	1.7	2.0	7.9*	1.49
221.972	716	1006	2.5	68	1.0	3.0	5.0	2.0	—	6.3	0.73
222.397	812	1016*	5.0	77*	3.0	1.0	3.0	2.5^	—	3.5^	0.04
227.214	730*	1025	3.0*	70	1.0	1.0	2.5	3.0	2.5	21.8*	0.62
229.320	720	1017*	2.5	76	1.0	1.5	3.0*	2.5	2.0	16.1	0.94
230.974	804	1023*	3.0	75	1.0	1.0	1.5	2.2	—	7.3	1.17
230.978	716	1007	1.5	85	1.0	2.0	4.0	2.2	2.0	19.7*	1.36
230.979	805	1020	3.5	107*	1.0	2.0	3.5	2.5	2.5	14.0	1.26
243.526	723*	1016*	2.0	75	1.0	1.5	3.5*	2.5	2.0	17.0	0.92
253.662	808	1004	4.5	140*	3.0	2.5	5.0	2.2	2.5	11.3	0.88
253.664	713	924	4.5	97*	1.0	1.0	5.0	2.0	3*	9.4	1.11
283.327	720	924	3.5	81*	1.0	1.0	5.0	2.0	3*	6.6	0.46
284.815	812	1012	4.0	110	2.0*	1.5	3.5	2.5	3.0	5.5	0.25
303.653	711	1010	1.0	46	1.0	1.0	2.0	2.2	—	26.3*	0.58

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
304.217	710	924	2.5	56*	1.0	1.5	5.0	2.0	1.5	14.4	1.28
312.222	716	1006	2.0*	67*	1.0	1.0	2.0	2.2	2.0	11.2	0.99
319.525	814	1007	5.0	82*	5.0	1.5	2.0	2.2	4.5	3.3	0.17
319.529	727	1007	4.0	137	3.0	2.0	4.0	2.5	2.5	10.1	0.84
319.530	726*	1008	3.0	137	3.0	1.5	4.5	2.2	3.0	10.0	0.78
319.531	725*	1009	2.5	105*	1.0	2.0	3.0	2.0	3.0	11.5	0.85
324.066	729	1007	3.5	115	3.0	1.0	1.5	2.2	2.0	12.5	1.18
340.050	718	1010	2.5	85*	1.0	1.0	2.0	1.7	2.0	10.9	1.65
341.264	723*	1009	2.5	97*	1.0	2.0	3.5	2.0	2.5	11.3	0.87
346.301	810	1010	4.0	119*	3.0	1.0	2.5	2.0	2.5	8.8	1.00
360.834	805	1027	3.0	87*	1.0	1.0	1.0	2.2	1.5	16.7	1.66
360.839	715	1010	2.5	70*	1.0	1.5	3.0*	1.7	1.5	13.5	1.16
360.851	804	1025	2.0	85	1.0	1.0	1.0	2.2	1.0	18.1	1.40
365.426	725	1010	5.0	80	2.0*	1.0	2.0	2.2	—	3.2	0.27
366.036	727	1006	3.5	105*	1.0	1.0	1.5	1.7	2.0	7.6	0.80
368.037	815	1020	4.0	130*	2.0*	1.5	2.5	2.2	4.0	11.3	0.76
368.038	802	1020	4.0	115*	1.0	1.5	2.5	2.2	3.5	11.4	0.88
368.039	802	1014	3.5	90*	1.0	1.5	2.0	2.2	4.0	10.7	0.73
371.607	813	1024	4.0	150*	1.0	1.0	2.0	2.0	2.5	8.2	0.71
371.609	810	1018	3.0	88	1.0	1.0	1.5	2.2	2.0	10.7	1.37
371.612	714	920	3.0*	69	1.0	1.0	1.0	2.2	2.0	9.4	1.63
374.220	726*	1007	4.0	112	3.0	1.0	1.5	2.5	2.5	12.9	0.97
374.221	723*	1007	3.0	117	3.0	1.0	1.5	2.2	2.5	8.2	0.63
377.575	725	1009	2.5	102	1.0	1.5	2.5	1.7	2.5	10.1	1.21
377.576	726*	1012	2.5	105	3.0	2.0	3.5	2.5	3.0	10.7	0.78
377.577	806	1020	3.5	155	3.0	1.0	1.5	2.0	2.5	8.6	0.78
379.620	723*	1002	3.5	108	1.0	2.5	5.0	2.5	3.5	9.7	0.76
379.621	725	1020	4.0	140*	3.0	2.0	2.5	2.2	2.0	11.6	0.75
379.622	716	1008	3.0	79*	1.0	2.0	4.0	2.2	2.5	15.5	1.41
381.679	728	1014	4.5	122	3.0	1.0	2.0	2.2	1.5	12.5	0.94
381.683	719*	1008	2.5	82*	1.0	1.0	1.5	1.7	2.0	11.1	1.10
398.192	712	1004	2.0	54	1.0	1.0	4.5	1.7	2.0	12.0	1.42
398.194	721	1004	2.5	66*	1.0	1.0	3.5	1.7	2.0	9.2	1.29
398.220	727	1014	5.0	117	3.0	1.0	4.5	2.2	2.5	7.0	0.89
398.254	715	1004	2.5	76*	1.0	1.0	2.0	2.0	—	20.2	1.14
398.292	716	1010	3.5	84*	1.0	2.0	3.0*	2.0	—	11.2	1.45
398.332	712	1006	1.5	50	1.0	1.5	3.5	2.0	—	23.5*	0.95
398.361	716	1004	2.5	60*	1.0	1.5	5.0	1.7	—	14.8	1.18
398.372	722	1007	2.5	67*	1.0	1.0	1.0	1.5	2.0	6.1	1.38
398.469	721	1006	4.0	74*	1.0	1.0	2.0	1.5	2.5	7.7	1.46
398.473	714	1006	2.5	74*	1.0	1.0	1.5	2.2	—	15.0	1.58
398.479	721*	1006	2.5	63*	1.0	1.0	3.0	1.2	2.0	6.1	1.40
398.556	716	1004	2.5	66*	1.0	1.0	2.0	2.0	—	14.9	1.46
398.557	716	1004	2.5	67*	1.0	1.0	1.5	2.0	—	15.3	1.46
398.570	724	1006	1.5	71*	1.0	1.0	1.0	2.0	—	13.4	0.91
398.575	723	1007	2.5	67	1.0	1.0	2.0*	2.0	—	16.0	1.05
398.578	721	1007	2.5	77*	1.0	1.0	2.5	2.0	—	15.9	0.76
398.580	718	1007	2.5	63*	1.0	1.0	2.5	2.0	2.5	10.1	1.16
398.592	725	1007	2.5	62*	1.0	1.0	2.0*	1.7	2.0	6.5	1.02
398.598	730	1012	3.5	86*	1.0	1.0	2.0*	2.0	5.0	11.5	1.34
398.606	729	1014	3.0	81*	1.0	1.0	2.0*	2.0	2.0	7.5	1.42
398.611	715	1009	1.5	61*	1.0	1.5	1.5	1.7	3.0	11.2	0.81
398.635	727	1010	2.5	62*	2.0*	1.0	1.0	2.0	2.5	6.5	0.87
398.646	715	1006	1.5	53	1.0	1.0	1.5	2.0	—	14.8	0.74
398.648	711	1006	2.0*	52*	1.0	1.0	2.0	2.0	—	19.4	0.51
398.718	711	1012	1.0	43	1.0	1.0	1.0	2.0	—	22.7	0.43

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
398.719	715	1011	2.5	61*	1.0	2.0	3.0	2.2	—	19.1	1.02
398.721	715	1009	3.5	65*	1.0	2.0	4.5	2.0	—	14.2	0.91
398.724	715	1004	4.0	76*	1.0	1.5	5.0	2.0	—	14.1	0.93
398.729	714	1006	1.5	72*	1.0	1.5	4.5	2.0	—	25.9*	1.08
398.731	713	1002	1.5	61	1.0	1.0	3.0	2.0	—	18.7	0.97
398.732	710	1004	2.0	59	1.0	1.0	1.5	2.0	—	20.8	1.18
398.734	712	1007	1.5	50	1.0	2.0	2.5	2.0	—	25.0*	0.68
398.736	711	1010	2.0	55	1.0	2.0	2.5	2.0	—	26.7*	0.71
398.742	710	1002	2.0	71	1.0	1.5	4.0	2.2	—	12.9	1.00
398.769	710	1006	1.0	43	1.0	1.0	2.0	2.7	2.0	24.0*	0.93
398.771	716	1013	1.5	64	1.0	1.0	2.5	2.0	—	19.0	1.07
398.781	710	1006	2.0	46	1.0	1.5	2.5	2.2	—	23.3*	1.12
398.789	725	1011	2.5	63*	1.0	1.0	1.0	1.7	3.0	5.4	0.95
398.794	711	1007	1.5	69	1.0	3.0	5.0	2.7	2.0	30.7	0.93
398.817	713	1002	2.5	72*	1.0	1.0	2.0	2.2	—	15.9	1.38
398.824	721	1017*	2.5	65	1.0	1.0	3.5	2.0	—	6.7	0.90
398.826	724*	1009	3.5*	64*	1.0	1.5	3.0	2.0	—	10.9	1.26
398.827	728	1004	4.5	83	1.0	1.0	3.0	2.0	—	9.7	1.15
398.850	712	1002	3.0	64*	1.0	1.5	5.0	2.0	—	18.3	0.98
398.853	713*	1004	3.5	63	1.0	1.0	4.5	2.0	3.5	8.9	1.21
398.896	722	1007	5.0	118	3.0	1.0	2.0	2.2	3.0	7.4	0.84
398.925	712	1006	2.0	73	1.0	2.0	4.0	2.2	2.0	27.9	0.63
398.945	712	1006	4.5	119*	3.0	1.0	2.0	2.2	—	16.3	0.89
398.950	712	1002	3.0	63	1.0	1.0	5.0	2.0	2.0	8.3	1.30
398.952	720	1004	2.0	72*	1.0	1.0	1.5	2.2	2.0	12.4	1.04
398.956	802	1014	3.5	79*	1.0	1.0	1.0	2.2	—	6.5	1.31
398.966	715	1010	3.5	61	1.0	1.5	1.5	2.2	—	14.6	1.14
398.967	728	1007	3.5	69	1.0	1.0	3.0	2.0	3.0	10.0	0.89
398.973	721	1009	4.0	127	3.0	1.0	3.5	2.5	—	17.1	0.84
398.978	712	1004	2.5	60*	1.0	1.0	4.0	2.2	3.0*	15.1*	0.82
398.983	809	1010	3.0*	55*	1.0	1.0	1.0	1.7	3.5	6.6	0.51
398.998	716	1007	3.0	74	1.0	1.0	3.5	2.2	2.5	13.4	1.03
398.999	714	1004	3.0	64	1.0	2.0	4.5	1.7	2.5	8.2	1.16
399.041	722	1007	4.5	97	3.0	1.0	3.0	1.7	3.0	7.4	0.76
399.047	711	1002	1.0	60	1.0	1.5	4.0	2.2	—	19.8*	1.16
399.048	712	1008	1.5	60	1.0	2.0	4.0	3.0*	2.0	28.1	0.47
399.049	714	1008	3.0	85	1.0	2.0	3.5	2.7	2.0	20.6	1.20
399.053	712	1009	2.0	61	1.0	2.0	4.0	3.0*	2.0	29.7	0.84
399.061	713*	1006	3.0*	72*	1.0	1.5	3.5	2.0	3.0	11.2	0.52
399.087	711	1002	1.5	62	1.0	1.0	3.0	2.5	—	18.6	1.21
399.088	711	1007	3.0*	58	1.0	1.0	1.0	2.5	—	19.2	0.70
399.090	714	1002	2.5	58	1.0	1.5	4.0	2.5	—	17.8	0.89
399.102	727	1008	2.5	67*	1.0	1.0	1.0	2.0	—	5.3	0.80
399.104	727	1011	2.0	74	1.0	2.0	3.0	2.2*	5.0	8.5	0.73
407.738	716	1004	3.5	76	1.0	1.0	1.5	2.2	—	14.9	1.02
407.743	729	1010	3.0	107*	3.0	2.0	5.0	2.2	3.0	16.9	1.04
407.744	718	1007	4.0	123	3.0	2.0	4.5	2.2	2.5	16.6	1.45
407.771	716	1006	3.0	125	3.0	1.0	2.0	2.0	3.5	7.0	0.90
407.781C	727	1004	4.0	67	1.0	1.0	3.5	1.5	2.0	6.1	1.30
407.801	718	1004	2.5	56	1.0	1.0	2.0	2.0	3.0	6.3	1.10
407.839–2	724*	1004	4.0*	94	3.0	1.0	4.0	2.5	3.5	7.4	0.73
407.868C	715	1008	2.0	45	1.0	1.5	3.0	2.2	—	22.1	0.85
407.872B	718	1003	2.5	63	1.0	1.0	3.0	2.2	—	15.5	1.12
407.898B	804	1007	2.5	71*	1.0	1.0	1.0	2.0	3.5	10.1	1.25
407.937–2	723	1010	5.0	142	3.0	1.0	2.0	2.2	2.5	9.3	1.28
407.945	718	1006	2.0	72	1.0	1.0	2.0	2.0	2.5	12.9	1.26

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
407.946–1	721	1011	2.0	65	1.0	1.0	2.5	2.5	3.0	20.8	1.07
407.964	718	1006	3.0	76	1.0	1.0	2.0	2.5	4.5	15.1	0.86
407.967	711	1004	3.5	76	1.0	1.0	4.0	2.7	2.0	20.5	1.28
407.969	714	1007	2.0	66	1.0	1.5	3.0	2.2	—	24.0	0.82
407.997	711	1002	1.0	39	1.0	1.5	4.5	2.2	—	19.2	0.52
408.007	712	1002	1.0	46	1.0	1.5	5.0	2.2	—	20.8	0.64
408.030	711	1002	2.0	62	1.0	1.0	3.5	2.2	2.0	16.8	1.07
408.043	721	1002	2.5	73	1.0	1.0	3.0	2.2	2.0	11.6	0.77
408.044	727	1007	3.5	90*	1.0	1.0	1.0	2.0	4.5	10.1	0.91
408.061	721	1004	1.5	74	1.0	1.0	1.5	2.0	3.0	10.0	1.22
408.067B	716	1006	1.0	47	1.0	1.0	1.5	2.0	—	16.0	0.97
408.085	724*	1017*	3.0*	64*	1.0	1.0	1.0	1.7	2.5	7.7	1.03
408.092C	716	1002	3.0	63	1.0	1.0	3.5	2.0	—	12.8	0.85
408.101	721	1007	5.0	155+	3.0	2.0	2.0	2.0	—	7.4	0.89
408.109B	715	1006	4.0	60	1.0	1.0	2.5	2.5	—	14.8	1.08
408.169C	727	1010	4.0	69*	1.0	1.0	1.0	1.5	2.5	8.0	1.17
408.184B	712	1007	2.5	63*	1.0	1.5	2.0	2.5	2.0	16.3	0.86
408.191B	711	1002	2.0	66	1.0	1.0	3.0	2.2	2.0	19.0	1.08
408.240	715	1004	2.0	76	1.0	2.0	4.5	2.5	2.5	19.5	1.61
408.241	715	1004	1.5	66	1.0	2.0	4.5	2.5	2.0	20.9	1.40
408.253	715	1004	2.0	70	1.0	2.0	4.5	2.7	2.5	20.4	1.21
408.254	711	1006	1.5	70	1.0	2.5	4.5	2.7*	2.0	30.7*	0.60
408.257	712	1013	1.5	50	1.0	1.0	1.0	3.0	3.0	27.0*	0.85
408.259B	712	1007	1.0	65*	1.0	1.0	1.0	2.2	—	15.5	0.58
408.265C	713	1006	2.5	45	1.0	2.0	4.0	2.2	—	23.0*	0.63
408.266	716	1004	2.0*	68	1.0	1.0	4.5	2.0	2.5	13.5	1.65
408.269C	715	1004	2.0	76	1.0	1.0	3.0	2.2	3.0	12.8	1.66
408.276	711	927	2.5	48	1.0	1.5	5.0	2.2	—	16.4	1.01
408.296B	711	1003	2.0	56	1.0	1.0	1.0	2.2	—	19.1	1.24
408.318B	714	1009	2.0	66	1.0	1.0	1.0	2.7*	2.0	15.5*	1.28
408.332B	710	1004	3.0	65	1.0	1.0	3.0*	2.2	—	19.5	1.27
408.340	725	1015	4.5	107*	3.0	1.0	2.0	2.2	2.5	11.2	0.81
408.342	727	1016	4.5	88*	3.0	2.0	3.5	2.0	—	10.0	0.51
416.754	714	1007	1.0	70	1.0	2.0	3.0	2.2	1.0	18.1*	1.42
416.760	715	1009	2.0	73	1.0	1.5	3.0	2.2	1.0	19.0	1.51
416.766	713	1005	2.0	64	1.0	3.0	5.0	2.2	2.5	16.1	0.97
416.767	712	1004	2.0	68	1.0	3.0	5.0	2.2	2.0	20.0	1.17
416.781	718	1007	1.5	73	1.0	2.0	3.0	2.5	2.0	22.2*	1.03
416.787	716	1010	2.0	83	1.0	2.0	4.0*	2.7	3.0	20.9	1.07
416.790	722	1012	1.5	62	1.0	2.0	3.5	2.2	2.5	22.1*	1.29
416.794	716	1010	2.0	76	1.0	1.5	3.0	2.5	1.5	24.6*	0.82
416.796	714	1004	1.0	74	1.0	2.0	3.5	2.2	1.0	15.8	1.09
416.798	714	1013	2.5	73	1.0	1.0	2.5	2.7*	2.0	20.1	0.90
416.809	721	1012	1.5	82	1.0	1.5	3.0	2.2	3.0	13.1	0.83
416.812	801	1009	2.5	74*	1.0	2.0	4.5	2.0	—	5.7	0.71
416.848	716	1016*	2.0	68	1.0	1.0	2.5	3.2*	3.5	24.5	0.97
416.876	713*	1007	3.0	69	1.0	1.5	3.0	3.0	—	32.2*	0.62
416.885	716	1007	3.0	82	1.0	1.0	4.0	2.5	1.0	18.8	0.98
416.895	715	1007	2.0	71	1.0	2.5	4.0	2.2	1.5	23.8*	0.77
416.903	712	1004	1.5	70	1.0	1.5	4.0	1.7	1.0	15.3	0.94
416.907	716	1006	2.5	75	1.0	1.0	3.5	1.7	1.5	11.8	0.65
416.912	713*	1004	2.0	60	1.0	1.5	3.0	2.5	2.0	22.1	1.21
416.922	713*	1002	1.0	57	1.0	1.5	2.5*	2.2	2.0	23.0	0.73
416.924	708	1006	1.0	47	1.0	2.0	3.0	2.2	2.0	23.5	0.89
416.925	711	1002	1.0	58	1.0	3.0	4.0	2.2	1.5	18.0	0.75
416.932	712	1007	1.5	55	1.0	2.0	4.0^	2.5	2.5	24.1	0.76

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
416.933	712	1004	1.5	65	1.0	1.0	3.0	2.2	2.0	20.2	1.09
416.937	715	1007	2.0	64	1.0	2.0	3.0^	1.7	1.0	12.5	0.91
416.951	713*	1007	2.5	66	1.0	1.0	3.0*	1.7	2.0	16.0	1.26
416.955	715	1010	2.0	74	1.0	2.0	3.0*	1.7	1.0	18.5	1.16
416.969	713*	1007	2.5	66	1.0	3.0	5.0	1.7	2.5	15.8	0.52
417.011	725	1015	2.5	86*	1.0	1.5	3.5	1.7	—	9.1	1.20
417.038	721	1004	2.5	80	1.0	2.5	5.0	2.0	1.5	14.7	1.15
417.083	727	1019	3.0	73	1.0	1.5	2.5	2.0	3.5*	13.1	1.41
417.097	712	1006	2.0*	66	1.0	1.5	4.5	2.5	2.0	18.7	0.92
417.164	716	1009	2.0	66	1.0	2.0	2.5	2.0	2.0	23.0*	1.12
417.181	720	1013	2.5	78	1.0	2.0	3.0*	1.5	1.5	15.9	1.03
417.188	724*	1007	2.5	87*	1.0	2.0	4.0	2.2	3.0	7.8	0.94
417.194	711	1004	1.0	82	1.0	2.0	5.0	2.0	2.0	16.5	1.33
417.197	712	1006	2.5	58	1.0	2.0	4.5	1.7	2.0	18.0	0.91
417.203	721	1010	1.5	70^	1.0	1.0	3.0*	2.0	3.0	15.4	1.10
417.204	712	1007	2.5	66	1.0	1.5	3.5	2.7	2.0	23.8*	0.91
417.212	713*	1002	2.5	68	1.0	3.0	5.0	2.0	2.0	19.8	1.03
417.213	713*	1005	1.0	72	1.0	2.0	4.5	2.0	1.5	17.0	1.16
417.216	712	1005	1.0	59	1.0	2.0	5.0	3.5	1.5	15.7	0.93
417.220	715	1005	1.0	57	1.0	2.0	3.5	2.0	1.0	18.6	1.28
417.221	730	1020	2.0	80	1.0	1.5	3.0*	2.2	1.0	20.7	1.29
417.223	711	1004	2.0	80	1.0	2.0	5.0	1.7	1.5	18.4	1.25
417.224	713*	1011	1.5	60	1.0	1.5	2.0	2.7	2.5	22.4	0.99
417.256	717*	1006	2.0	76	1.0	2.5	5.0	2.2	2.0	15.2	0.90
417.266	711	1007	2.0	64	1.0	1.0	3.0	2.2	2.0	20.5	1.18
417.267	709*	1006	1.0	51	1.0	2.0	3.5	2.0	1.5	19.6*	0.79
417.310	714	1002	1.5	67	1.0	3.0	5.0	2.7*	3.5	21.8	1.22
417.330	712	1004	2.5	81	1.0	1.5	5.0	1.7	2.0	19.0	1.24
417.357	716	1008	1.5	65	1.0	2.0	4.0*	2.0	—	11.2	0.60
417.358	719*	1010	3.0	73	1.0	1.0	3.0	2.0	3.0	18.5	1.03
417.375	725	1011	3.0	87	1.0	2.0	4.0	2.2	2.5	15.3	0.96
417.376	718	1004	2.5	63	1.0	2.5	5.0	2.0	2.5	16.8	0.87
417.378	716	1004	1.0	55	1.0	2.0	4.0	2.0	2.5	14.5	0.56
417.405	711	1004	1.0	60	1.0	1.5	3.5	1.7	1.0	13.7	1.10
417.406	711	1004	1.5	63	1.0	2.5	4.5	3.0*	1.5	16.2	1.32
417.407	711	1007	1.5	60*	1.0	1.0	4.0*	2.0	1.5	20.8	1.24
417.408	711	1004	1.0	73	1.0	1.0	3.0	2.2	2.0	25.4*	1.33
417.409	712	1007	2.0	66	1.0	2.0	4.0	2.2	1.5	18.7*	0.95
417.410	713*	1010	2.0	72	1.0	1.5	3.5	2.0	1.0	20.9*	1.04
417.416	718*	1005	1.0	63	1.0	2.0	4.5	2.0	2.5	21.5	0.71
417.421	713*	1004	1.0	60	1.0	2.0	5.0	2.0	2.0	15.3	0.71
417.422	715	1012	1.5	69	1.0	2.0	2.0	2.2	2.0	18.0	1.17
417.427	715	1010	1.5	65	1.0	2.0	4.0	1.7	2.0	17.6	0.91
417.444	719*	1014	2.5	83	1.0	2.0	2.5	2.2	2.5	12.0	0.78
417.469	715	1010	2.5	67	1.0	1.5	2.5	2.0	1.0	16.9	1.07
417.473	712	1007	1.0	78	1.0	2.5	4.0	2.0	1.5	17.3	0.58
417.477	715	1006	2.0	72	1.0	2.0	5.0	2.0	2.0	16.7	0.47
417.490	713*	1010	2.0	66	1.0	2.0	5.0^	2.5	2.0	21.2*	0.77
417.503	722	1009	5.0	112	2.0*	1.0	3.5	2.0	2.0	9.4	0.60
417.561	716	1007	2.0	61	1.0	2.0*	3.5	2.2	1.0	16.3	1.02
417.562	725	1010	1.5	90*	1.0	1.0	1.0	2.0	2.0	9.6	0.95
417.563	809	1014	3.5	152+	3.0	1.5	2.0	2.0	2.5	9.7	0.79
423.736B	723*	1017*	3.5	58	1.0	1.0	1.5	2.5	—	17.5	0.61
423.755	711	1006	1.0	45	1.0	1.0	4.0	2.5	—	24.4	0.85
423.780	709*	1005	3.0*	46	1.0	2.0	5.0	2.2	—	18.7	0.76
423.821	724*	1005	3.0	71*	1.0	1.5	3.5	2.0	3.0	7.3	0.87

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
423.822	719*	1010	3.5	77*	1.0	1.0	3.5	2.2	2.0	15.3*	0.79
423.831	723*	1007	3.0	88*	1.0	2.0	3.5	2.0	2.5	11.2	0.87
423.849	712	1005	1.0	38	1.0	2.0	3.5	2.2	—	18.3	0.64
423.852	726*	1012	3.0	68	1.0	1.0	1.5	2.0	3.5	6.8	1.04
423.853	713*	1005	2.5	62	1.0	1.0	2.5	1.7	—	14.6	1.16
423.859	710	1005	3.5	59	1.0	1.0	3.5	1.5	2.0	16.5	1.66
423.861	721	1002	1.5	58	1.0	1.0	4.5	1.7	4.5	6.7	1.00
423.878	723*	1011	2.0	80*	1.0	2.0	1.0^	2.5	3.5	25.0^	1.24
423.879	807	1026	2.5	63	1.0	1.0	1.0	2.5	2.0	21.7	1.26
423.895	715	1006	2.0	75	1.0	2.5	4.0	2.0	2.0	17.5	1.19
423.898	712	1007	1.0	38	1.0	1.0	2.0	2.0	2.5	19.0	0.92
423.900	719*	1003	2.5	80	1.0	1.0	4.0	1.5	2.0	11.3	1.57
423.905	716	1011	1.0	78	1.0	2.0	2.5	2.0	1.5	18.1*	1.17
423.907	712	1005	1.5	77	1.0	1.5	4.5	2.0	1.0	16.3	1.21
423.916	726*	1020	3.0	70	1.0	1.0	3.0*	2.2	2.0	14.9	0.97
423.918	715	1006	1.0	67	1.0	2.0	4.0^	2.5	1.0	20.9	1.19
423.921	711	1006	2.0	71	1.0	1.0	3.5	2.2	2.0	23.7	1.53
423.925	712	1005	1.0	61	1.0	1.0	3.0	2.5	3.0	17.2	1.16
423.930B	715	1005	1.0	64	1.0	1.5	2.5	2.0	1.5	15.7	1.56
423.931	715	1011	1.0	62	1.0	1.0	2.5	2.2	1.0	17.7	1.10
423.964	728	1025	2.5	85	1.0	1.0	2.0	3.0	2.5	21.2	1.34
423.965	716	1011	1.5	80	1.0	2.0	3.5	2.5	2.0	18.6*	1.13
423.969	720	1011	2.0	58	1.0	2.0	3.5	2.2	2.0	23.2	0.96
423.978	728	1023	2.5	67	1.0	1.5	2.0*	2.2	2.0	16.0	1.23
423.986	712	1005	2.0	57	1.0	2.0	2.5	2.0	2.0	13.5	1.27
424.139	712	1005	1.0	55	1.0	2.0	3.5	2.5	2.0	30.0	0.96
424.142	727	1012	3.0	73	1.0	2.0	4.5	2.2	—	13.2	0.81
424.145	713*	1005	1.0	54	1.0	2.0	4.0	3.0	2.0	28.1	0.92
424.146	712	1010	2.0	50	1.0	1.0	2.0	2.2	—	23.0*	0.95
424.147	712	1008	1.0	61	1.0	2.0	3.5	3.0	2.0	30.6	0.65
424.156B	718	1002	3.5	120	3.0	1.0	3.0*	2.2	—	15.4	1.08
424.157A	713*	1009	1.5	47	1.0	1.0	1.0	2.2	—	17.8	0.73
424.157B	715	1005	2.5	58	1.0	1.0	1.5	2.2	—	18.4	1.03
424.161	713*	1005	2.5	62	1.0	1.5	2.0	2.2	3.0	19.1	1.00
424.163	719*	1005	3.0	84	1.0	2.0	4.5	2.0	3.0	10.0	1.01
424.164B	724*	1011	2.5	85	1.0	2.0	2.0^	2.2	—	25.5*	0.91
424.172B	715	1005	2.5	65	1.0	1.0	1.5	1.5	2.0	7.0	1.25
424.172C	719*	1008	3.5	56	1.0	1.0	2.5	1.5	2.0	7.0	0.71
424.174	710	1003	2.0	59	1.0	1.0	3.5	2.2	3.0	21.6	1.27
424.178C	726*	1006	2.5	55*	1.0	2.0	4.0	1.5	2.0	7.2	1.32
424.182B	710*	1006	3.0*	56*	1.0	1.0	2.5	2.7	1.5	21.5*	1.01
424.185	712	1005	2.0	69	1.0	2.0	4.0	2.5	2.0	32.0	1.10
424.304	726*	1010	3.0	77	1.0	1.0	2.0	1.7	4.0	7.7	1.40
424.337–2	713*	1005	1.5	63	1.0	1.5	2.5	2.2	2.5	23.7*	1.15
424.360	724*	1007	3.0	68	1.0	1.0	4.0	2.5	2.0	13.0	1.10
424.361	724*	1007	3.0	67	1.0	1.0	3.0*	2.5	2.0	13.7	1.02
424.371	712	1011	1.5	56	1.0	1.5	1.5	2.5	2.0	24.5	1.20
424.375	713*	1007	1.0	57	1.0	2.0	3.5	2.7	2.0	31.5	0.82
424.391	723*	1006	2.0*	68*	1.0	1.0	2.5	1.7	4.0	10.1	1.05
424.416	712	1005	3.0*	50	1.0	1.0	2.5	2.2	3.5	15.8	0.87
424.433	730	1005	4.0	59*	1.0	1.0	2.0	1.7	3.0	5.4	0.97
424.434	714	1005	2.5	66	1.0	1.0	1.5	2.2	5.0	17.0	1.16
424.437	721	1011	3.0	81	1.0	2.0	2.5	2.2	2.5	23.5	1.00
424.438	715	1011	2.5	67	1.0	1.5	2.5	2.2	—	25.2	0.98
424.442	719	1010	3.0*	62	1.0	1.5	2.5	2.2	—	17.8	1.06
424.447	718	1008	3.0	95	3.0	1.0	3.0	2.0	—	17.6	1.28

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering Early (score)	Shattering Late (score)	Seed Quality (score)	Seed Mottling (score)	Seed Weight (cg/sd)	Seed Yield (Mg/ha)
424.453	726*	1010	3.0	71	1.0	1.0	1.0	1.7	2.0	6.8	1.12
424.456	719*	1011	2.0	63	1.0	1.5	2.0	2.0	3.0	20.0	1.37
424.461	722	1005	4.0	71	1.0	2.5	4.0	1.5	2.0	7.3	1.05
424.464	719*	1005	2.5	67	1.0	1.0	2.0	2.0	3.0^	14.7	1.30
424.473	726*	1020	4.0	160+	3.0	1.0	3.0	2.0	—	11.5	0.57
424.478	721	1003	2.5	44	1.0	1.0	2.5	2.0	—	14.3	0.86
424.501	715	1005	2.5	66	1.0	2.0	4.0	2.2	2.0	21.2	1.47
424.502	715	1005	3.5	68	1.0	2.0	3.5	2.5	2.0	21.5	1.39
424.534	713*	1005	3.5	50	1.0	2.0	3.0	2.2	—	26.2*	0.98
424.591	724*	1009	2.5	77	1.0	1.0	2.0	1.7	2.5	14.4	1.42
424.594	725	1009	2.0*	57*	1.0	1.5	3.0	1.7	2.5	7.4	0.64
424.595	718	1009	3.5	131	3.0	1.0	1.5	2.0	—	8.2	1.27
427.241	815	1011	5.0	160+	5.0	1.0	1.0	2.5^	—	2.9	0.08
430.600C	723	1002	3.0	102	1.0	2.0	3.5	2.5	2.0	17.6	1.02
437.667	805	1009	4.5	144*	3.0	2.0	3.0*	2.2	2.5	11.7	0.55
437.708	724	1002	4.0	143	3.0	1.0	1.0	2.2	—	4.2	0.62
437.726	723	1006	3.0	106	1.0	1.0	3.0	1.7	1.5	10.3	1.63
437.730	803	1009	3.0	86	1.0	1.0	3.0*	2.0	3.5	13.1	1.20
438.280	724	1010	2.0*	67	1.0	1.5	3.5	2.0	3.0	15.5	0.85
438.284	811	1027	4.0	122*	1.0	1.0	1.0	2.2	3.0	14.3	0.58
438.342	727	930	4.0	159*	3.0	1.0	2.0	2.2	—	3.6	0.62
438.426	727	930	5.0	143*	5.0	1.0	2.0	1.7	—	4.5	0.37
438.431	715	1002	3.0*	75	1.0	1.0	3.0	1.7	1.5	13.1	1.59
438.438	723	1005	2.5	65	1.0	1.0	1.0	2.2	—	13.3	0.76
458.122	716	1002	2.0	75*	1.0	1.0	3.0	1.7	2.0	7.6	1.08
458.155	726*	1010	3.5	52	1.0	1.0	1.0	1.5	3.0	8.4	0.63
458.187	725	1009	2.5	96*	1.0	1.5	2.5	2.0	—	21.8	1.08
458.206	721	1010	3.5	53	1.0	1.5	1.5	2.2	—	23.3	1.00
458.210	719*	1016	4.0	102*	1.0	1.5	2.0^	2.2	—	20.3	0.69
458.212	723	1005	4.5	122	3.0	2.0	5.0	2.2	—	10.6	0.55
458.213	723	1022	3.0	115*	1.0	1.0	2.0	2.2	—	25.2	0.84
458.220	719*	1005	4.5	83	1.0	1.0	2.0	1.5^	2.0	7.3	1.00
458.228	722	1011	2.0	82	1.0	2.0	2.0^	2.2	3.0	24.6	1.04
458.241	724*	1012	3.5	80	1.0	2.0	3.0*	2.5	2.5	23.8	0.95
458.243	722	1011	3.0	80	1.0	2.0	3.5	2.5	2.5	23.2	1.10
458.251	723	1020	2.5	89	1.0	1.0	2.5	2.2	—	29.1	1.30
458.257	723	1010	3.0	95*	1.0	1.5	2.0^	2.5	2.5	24.3	1.05
464.932	729	1010	2.5	95	1.0	1.0	2.0	1.7	2.0	13.7	1.56
468.130	802	1009	5.0	78	5.0	1.0	2.0	2.0	—	3.4	0.32
468.131	723	1002	5.0	122*	5.0	1.0	3.0	2.2	—	3.5	0.14
468.964	809	1011	4.0	110	1.0	2.0	3.5	1.7	3.5	7.9	0.90
468.966	723	1003	3.5	109	1.0	1.5	3.5	2.2	2.0	17.0	1.58
471.903	802	1010	3.5	116*	2.0*	1.5	2.5	2.0	3.5	8.1	0.62
471.927	810	1015	3.0	133	3.0	1.0	1.5	1.7	—	10.8	0.36
471.940	810	1020	3.0	102	1.0	1.0	1.0	2.2	—	12.7	0.86
476.885	809	1011	3.5	136*	1.0	1.0	2.5	2.0	2.0	10.0	0.55
476.897	725	1016	3.0	110	1.0	1.5	2.0	1.7	2.0	9.7	1.24
476.900	808	1015	3.0	127	1.0	1.0	1.0	1.7	2.5	10.2	1.08
476.907	806	1015	3.0	109*	2.0*	1.0	2.5	2.0	2.5	10.3	1.13
476.916	805	1015	3.0	120	1.0	1.0	1.5	1.7	2.5	9.1	0.96
476.918	812	1011	4.0	130*	2.0*	2.5	5.0	2.0	2.5	9.2	0.80
476.925	805	1011	4.0	135	2.0*	1.0	3.0	1.7	1.5	9.3	0.68
476.930	802	1010	4.0	120*	2.0*	1.5	1.5	2.0	4.0*	7.8	0.78
476.934	805	1011	4.0	120	2.0*	1.0	3.5	2.0	2.0	9.7	0.51
486.335	812	1019	3.0	89	1.0	1.0	1.0	1.5	2.0	11.3	1.11
494.181	715	1005	2.5	70*	1.0	1.0	4.0	1.5	2.5	6.6	1.28

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
494.851	721	1006	2.5	97	1.0	1.0	1.0	1.7	2.0	10.2	1.83
504.507	722	1003	2.0	72	1.0	1.0	2.0	2.0	—	12.4*	0.90
506.471	712	1005	1.5	58	1.0	2.5	5.0	2.2	1.5	19.5*	1.34
506.473	713*	1007	2.5	88	1.0	2.0	5.0	2.0	1.0	20.5*	1.44
506.483	712	1010	2.0	63*	1.0	1.5	3.5	2.7	2.5	22.2*	1.32
506.484	719*	1020	3.0	77	1.0	2.0	4.0	2.2	3.0	24.3	0.72
506.486	709*	928	1.0	45	1.0	2.5	4.5	2.0	—	17.0*	0.65
506.493	715	1006	2.5	66	1.0	2.0	4.5	2.2	2.0	15.4	1.31
506.494	719*	1007	2.5	92	1.0	2.0	5.0	2.0	1.0	15.1	1.19
506.495	804	1017	2.5	82	1.0	1.5	3.0	2.5	3.0	19.4*	0.93
506.496	710	1002	2.0	62	1.0	2.0	3.5	1.7	1.5	13.8	1.04
506.497	712	1002	2.0	60	1.0	2.0	4.5	1.7	1.5	13.9	1.10
506.500	716	1010	2.0	70	1.0	1.5	3.5	2.0	2.5	16.9	0.85
506.501	711	1006	1.5	67	1.0	2.0	5.0^	1.5	1.5	11.8*	0.73
506.502	716	1011	2.0	64*	1.0	2.0	3.5	2.2	2.0	23.1	1.02
506.503	710	1003	2.5	68	1.0	1.0	5.0	2.0	2.0	17.5	1.28
506.505	713*	1011	2.0*	62	1.0	1.0	2.5	2.5	4.5	23.2	1.14
506.513	726*	1020	2.0	78*	1.0	1.0	2.0	2.0	1.0	18.7	1.21
506.514	720	1010	1.5	69	1.0	2.0	3.5	2.0	2.0	18.2	1.31
506.531	721	1015	2.5	79	1.0	2.0	3.5	2.5	3.0	24.8	1.05
506.533	719*	1010	1.5	77	1.0	1.5	4.0*	2.0	2.0	20.5	0.90
506.534	731	1014	2.0*	83*	1.0	1.0	4.0*	2.0	2.5	9.2	0.60
506.536	715	1009	2.0	66	1.0	1.5	3.5	2.2	1.0	21.5	1.11
506.537	728	1020	1.5	79	1.0	1.5	2.5	2.2	3.0	23.2	0.95
506.539	721	1015	2.0	69	1.0	1.5	4.0*	2.2	3.0	23.3	1.19
506.540	713*	1010	2.5	65	1.0	1.5	4.0	2.2	3.5	22.2	0.97
506.543	722*	1011	2.0	70	1.0	1.0	2.5	2.2	3.0	21.3	0.78
506.544	726*	1015	3.0	94	1.0	2.0	4.0*	2.2	3.0	21.6	0.98
506.545	731	1019	3.0	75	1.0	1.5	3.5	2.2	3.5	20.1	0.95
506.546	730	1010	1.5	82	1.0	2.0	4.5	2.0	3.0	10.7	0.71
506.551	712	1008	1.0	62	1.0	2.0	5.0^	2.2	1.0	22.2	0.73
506.554	721	1010	2.0	84	1.0	2.0	4.0	2.2	3.0	19.5	1.45
506.559	713	1006	1.0	49*	1.0	2.5	5.0	1.7	4.0*	7.7	0.47
506.561	716	1008	2.5	66	1.0	2.0	3.0^	2.2	2.5	19.7	0.96
506.564	712	1011	2.0	60	1.0	1.5	2.5	1.7	3.5*	15.3	1.15
506.566	712	1005	1.0	55	1.0	1.5	4.0	2.0	2.0	21.1	1.03
506.567	719*	1008	2.5	88*	1.0	2.5	4.5	2.5	2.5	20.4	1.35
506.568	716	1005	1.5	83	1.0	2.5	4.5	2.0	1.0	17.5	1.34
506.569	716	1015	1.0	71	1.0	2.0	3.5	2.0	1.5	30.6	0.81
506.571	726*	1008	1.0	56	1.0	3.0*	5.0	2.0	3.5	12.8	0.53
506.577	721	1005	3.0	69	1.0	3.5	5.0^	2.0	2.0	13.4*	0.66
506.578	713*	1005	2.0	63	1.0	1.0	3.5	2.0	1.0	17.4	1.21
506.580	720	1011	2.0	71	1.0	2.0	3.0	2.7	3.0	23.2*	1.06
506.584	712	1005	3.0	64	1.0	2.5	4.5	1.7	1.5	20.3	0.86
506.585A	730	1010	1.0	51	1.0	1.0	2.5	2.2	1.0	22.5	1.23
506.589	804	1022	1.0	46	1.0	1.0	2.0	2.0	1.0	17.6	0.78
506.604	716	1011	2.5	84	1.0	1.0	2.5	2.5	2.5	24.1	1.00
506.606	712	1005	1.0	54	1.0	1.0	3.0^	3.0	2.0	29.0*	1.14
506.611	716	1005	1.5	72	1.0	1.5	4.0	2.2	3.0	10.6	0.35
506.612	719*	1011	2.5	103*	1.0	1.0	3.0	2.0	—	24.2*	1.15
506.613	713*	1005	3.0	83	1.0	1.5	4.0^	2.0	—	22.7	0.94
506.614	718*	1015	2.0	57*	1.0	2.0	3.0*	2.2	—	24.3	1.13
506.615	713*	1005	2.0	79*	1.0	2.0	4.5	2.2	—	24.6	0.95
506.617	713*	1012	1.5	65	1.0	1.0	2.0*	2.2	—	24.4	0.68
506.619	713*	1008	1.5	68	1.0	1.5	2.5	2.5	—	25.0	0.52
506.621	712	1009	2.0	64	1.0	1.5	3.0	2.0	1.5	23.9	1.15

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
506.622	713*	1010	1.0	59	1.0	1.5	3.0*	2.2	3.0*	18.1	0.59
506.624	712	1009	1.0	56	1.0	2.0	3.0	2.0	1.0	19.8	1.08
506.628	720	1014	1.0	65	1.0	1.0	2.5	2.5	2.0	16.0	1.13
506.640	726*	1017	2.0	79	1.0	1.0	2.5	2.5	2.0	20.5	1.43
506.643	801	1022	2.0	88	1.0	1.0	2.5	2.0	2.0	14.2	1.26
506.644	801	1020	2.0	71	1.0	1.0	1.5	2.5	3.0*	22.7*	1.04
506.648	727	1012	2.0	74*	1.0	2.5	4.0^	2.0	3.5	6.6	0.73
506.649	722*	1015	2.0	63	1.0	2.0	3.5	2.0	1.5	12.4*	0.60
506.650	719*	1006	2.5	79	1.0	2.0	4.5	2.2	2.0	12.9*	0.80
506.653	725	1011	1.0	64	1.0	1.0	2.0	1.7	1.0	14.0*	0.91
506.656	807	1009	3.0	88	1.0	1.0	2.0	2.0	4.0*	12.1	1.21
506.664	724	1009	2.0	85	1.0	1.0	2.5	1.5	1.5	13.9*	1.07
506.667	725	1017	2.5	83	1.0	1.0	2.5	1.7	1.0	17.2*	1.25
506.670	716	1015	3.0	73	1.0	1.5	2.0^	2.5	2.5	24.2*	1.05
506.675	723	1017	2.5	104*	1.0	1.0	2.0*	1.7	1.5	17.9*	1.44
506.687	716	1009	3.0	83	1.0	1.0	3.5	1.7	1.5	14.0	1.18
506.689	722	1017*	2.0*	81	1.0	1.5	3.5*	2.0	2.0	16.6	1.13
506.691	715	1006	1.5	64	1.0	1.5	4.0	1.5	1.0	14.4	1.43
506.695	802	1022	1.5	77	1.0	1.0	1.5	2.0	2.0	14.5*	1.25
506.702	714	1008	2.5	74	1.0	2.0	5.0	2.0	2.5	15.4*	1.05
506.704	712	1003	2.0	53	1.0	1.0	3.5	1.7	2.0	12.0*	1.06
506.706	712	1008	2.0	62	1.0	1.0	2.5	2.5	2.0	21.4*	1.08
506.708	721	1010	1.0	57	1.0	1.5	3.0	2.0	3.0	11.0	1.15
506.712	730	1020	2.0	66*	1.0	1.5	2.5	2.2	2.0	20.0*	1.28
506.714	715	1009	1.5	59	1.0	1.0	3.0*	2.0	1.0	19.5*	1.40
506.719	730	1019	1.5	75	1.0	1.0	2.5	2.0	1.0	22.5*	1.27
506.725	712	1004	1.0	54	1.0	1.5	4.0	2.2	2.0	23.2*	0.70
506.736	712	1003	1.5	63	1.0	1.0	3.0	2.2	2.5	11.5*	0.97
506.739	713*	1015	1.0	65	1.0	1.5	2.5	2.2	—	24.1*	0.88
506.740	715	1013	1.0	60	1.0	2.0	4.0	2.2	2.5	14.2*	1.08
506.741	711	1009	1.0	67	1.0	3.5	5.0	1.7	2.5	14.3*	1.07
506.742	723	1015	3.5	69*	1.0	1.0	2.5	2.0	2.5	10.6*	0.89
506.743	726	1013	2.5	55*	1.0	1.5	2.5	2.5	3.5	9.3*	0.51
506.747	716	1020	2.5	55*	1.0	1.5	2.5	2.5	—	20.0*	0.94
506.748	715	1019	2.0	67	1.0	1.0	2.0*	2.5	—	26.7*	0.87
506.750	713	1022	1.0	50*	1.0	1.5	2.5	2.5	—	27.7*	0.72
506.753	712	1012	1.0	44	1.0	1.5	3.0*	2.5	1.5	22.0*	0.52
506.754	715	1009	1.5	64*	1.0	2.0	4.0	2.5	3.0	14.9*	1.13
506.761	713*	1012	1.0	53	1.0	1.5	2.5	2.5	1.0	15.3*	1.06
506.763	714	1013	1.0	71*	1.0	1.5	2.5	2.0	1.0	12.7*	1.18
506.768	718	1012	2.5	63	1.0	1.5	2.5	2.2	2.5	20.4*	1.05
506.772	712	1007	2.0	59	1.0	1.0	2.5	2.2	1.0	13.5*	1.14
506.773	719	1013	1.0	59	1.0	1.5	4.0	2.2	2.5	11.0*	0.81
506.775	715	1009	2.5	69	1.0	2.0	3.5	2.5	2.0	18.0*	1.21
506.776	716	1012	2.0	53	1.0	1.5	3.0	2.2	2.5	19.7*	1.17
506.777	727	1024	1.0	50	1.0	1.5	2.5	2.5	3.5	13.7*	0.89
506.778	723	1017	2.0	74*	1.0	1.5	2.0*	1.7	—	22.1*	1.02
506.786	712	1006	1.0	68	1.0	2.0	4.0	1.7	1.5	17.4*	1.10
506.792	712	1006	1.0	50*	1.0	2.0	4.0^	2.5	2.5	22.0*	0.83
506.793	721	1025	1.5	62*	1.0	1.0	1.0^	2.7	4.0*	24.0*	0.67
506.795	711*	1007	1.0	53	1.0	2.0	4.0	2.2	2.0	26.2*	0.72
506.796	713*	1016	1.5	60	1.0	1.5	3.5	2.2	2.5	22.8*	1.21
506.798	712	1012	1.5	62	1.0	1.5	3.5	2.2	1.5	25.3*	0.70
506.802	712	1007	1.5	52*	1.0	1.5	3.5	2.2	—	24.0*	0.90
506.822	715	1009	2.5	61	1.0	2.0	3.0	2.0	1.0	16.5*	1.41
506.828	715	1022	1.0	66*	1.0	1.0	2.0*	2.0	4.0	21.2*	0.99

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
506.871	712	1019	1.0	55	1.0	2.0	3.0	3.2	2.0	26.2*	1.10
506.878	725	1022	2.0	84*	1.0	2.0	3.0^	3.0	3.5	11.3*	0.35
506.884	716	1020	1.5	63*	1.0	1.5	2.0^	2.5	3.5	24.9*	0.99
506.885	713*	1006	1.0	49	1.0	2.0	4.0	2.2	4.5	5.5*	0.62
506.886	712	1007	2.0	61	1.0	2.0	4.5	3.0	2.5	18.7*	0.49
506.888	711	1007	2.5	56	1.0	1.5	3.5	2.2	1.0	15.0*	1.00
506.902	716	1006	2.5	62	1.0	2.0	5.0	2.5	2.5	15.8*	1.17
506.904	730*	1013	3.0	76	1.0	1.0	3.0	2.0	3.5	10.0*	1.10
506.905	718	1007	1.0	59	1.0	2.0	3.0	2.2	2.5	9.6*	1.28
506.907	715	1009	2.5	60	1.0	1.5	3.0	2.0	1.0	16.1*	1.03
506.908	729	1022	3.0	78	1.0	1.5	2.5	2.2	2.5	11.2*	1.49
506.910	726	1012	2.5	75	1.0	1.5	4.0	1.7	1.0	13.9*	1.41
506.921	712	1024	1.0	60	1.0	1.5	2.0	2.5	4.5	22.6*	1.19
506.922	713*	1009	2.0	73	1.0	2.5	4.5	2.7*	2.5	16.1*	0.97
506.926	713*	1007	1.0	62	1.0	1.5	3.0	2.0	2.5	14.4*	1.07
506.939	729	1009	3.5	133*	3.0	2.0	3.0	2.5	4.0*	6.2*	0.78
506.946	713*	1009	2.0	76*	1.0	2.0	4.5	2.0	2.0	14.9*	1.11
506.948	713*	1007	2.0	64*	1.0	2.0	3.5	2.2	—	23.4*	1.09
506.950	719*	1012	2.5	75*	1.0	1.5	4.0	2.2	3.0	17.5*	1.27
506.952	713*	1019	2.5	81*	1.0	1.5	3.0	2.2	—	21.6*	0.98
506.953	725	1016	3.0	74	1.0	1.5	3.5	2.2	—	13.5*	0.77
506.955	712	1016	2.5	65	1.0	2.0	2.5	2.2	—	22.3*	0.83
506.956	712	1016	3.0	64	1.0	2.0	3.0	2.2	—	21.3*	0.86
506.962	712	1009	1.0	58	1.0	1.5	2.5	2.0	—	22.4*	0.68
506.964	713*	1015	3.0*	72	1.0	1.5	3.0	2.2	—	18.5*	1.05
506.965	721	1013	2.0	80*	1.0	1.5	4.0	2.0	—	20.4*	0.83
506.966	723	1013	2.0	80^	1.0	2.0	4.0	1.7	—	19.6*	1.09
506.967	715	1024	1.0	54	1.0	2.0	3.0^	2.2	—	24.0*	0.62
506.968	715	1021	1.0	54	1.0	2.0	3.0^	2.5	—	23.9*	0.60
506.970	727	1013	2.5	76	1.0	2.0	4.0*	1.7	—	19.6*	0.74
506.971	719*	1021	1.0	50	1.0	2.0	—	2.7	—	24.7*	0.33
506.972	723	1012	2.5	69	1.0	2.0	3.0	2.0	—	16.2*	0.97
506.974	713*	1009	2.0	52	1.0	1.5	3.5	2.2	—	23.7*	1.14
506.976	714	1013	2.5	80	1.0	1.5	3.5	2.0	—	21.2*	0.72
506.978	711	1007	1.5	58	1.0	1.5	3.0	2.2	—	24.9*	0.91
506.979	712	1007	2.0	63	1.0	2.0	3.5	2.5	—	24.4*	1.05
506.980	712	1012	2.5	64	1.0	1.5	3.0	2.5	—	25.3*	0.94
506.984	724	1019	2.0	70^	1.0	2.0	3.0	2.5	—	25.0*	1.22
506.991	716	1012	2.0	64	1.0	1.5	3.0^	2.7	—	25.7*	0.90
506.996	713*	1009	1.5	60	1.0	2.0	4.5	2.5	—	29.5*	1.18
507.001	712	1005	1.0	53	1.0	3.0	4.5	2.0	2.5	14.2	0.55
507.003	730	1024	2.0	80	1.0	1.5	2.0	3.0	3.0*	14.6	1.01
507.006	729	1022	2.0	65^	1.0	1.5	2.5	2.2	3.0*	15.6	1.06
507.007	723*	1020	2.5	64^	1.0	1.5	2.5	2.2	3.5	17.5*	1.12
507.009	801	1024	1.5	76	1.0	1.0	1.5	2.2	2.5	17.2	1.25
507.011	725	1019	2.0	86^	1.0	1.0	2.0	2.0	1.0	21.2	1.42
507.012	721	1007	2.0*	99*	1.0	2.5	5.0^	2.0	1.5	19.3	0.82
507.030	718	1012	2.0*	71*	1.0	1.5	3.5	2.0	2.0	17.8*	1.00
507.036	713*	1007	2.0	62	1.0	2.0	5.0	1.5	1.5	19.6*	1.38
507.037	714	1006	1.5	72	1.0	1.0	3.0	1.7	1.0	17.2*	1.26
507.044	717	1016	2.5	78	1.0	2.0	3.0	2.2	—	22.0*	1.08
507.049	712	1009	1.0	63	1.0	1.0	3.0	1.5	1.5	12.4*	1.07
507.050	712	1009	3.0	60	1.0	3.0	4.5	2.0	2.5	14.2*	0.77
507.057	712	1009	1.0	65	1.0	1.5	4.0	2.5	2.5	25.0*	1.20
507.068	727	1021	2.0	59	1.0	1.0	1.0	2.7	1.5	17.2*	1.05
507.069	725	1019	2.0	87	1.0	1.5	1.5	2.2	3.0*	11.7*	0.93

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
507.070	726	1019	3.0	90	1.0	1.5	2.5	2.0	3.5	11.5*	0.94
507.074	719	1013	2.0	83	1.0	1.5	2.0	2.7	4.0	20.9*	0.84
507.078	713*	1013	1.0	66	1.0	2.0	3.0	1.7	1.0	19.3*	1.32
507.084	716	1013	1.5	75	1.0	2.0	3.5	2.0	1.0	17.2*	1.15
507.085	728	1019	2.5	84	1.0	1.0	2.0	2.2	4.5	16.8*	1.22
507.088	715	1010	1.5	60	1.0	1.5	4.0	1.5	4.0	4.9*	1.30
507.099	713	1013	1.0	70*	1.0	1.5	3.5	2.0	2.0	21.2*	0.91
507.103	719*	1016	2.0	82	1.0	1.5	2.5	2.2	2.5	14.2*	1.06
507.105	716	1015	2.0	88*	1.0	1.5	3.5	2.5	2.5	14.3*	1.13
507.109	716	1017	2.0	82	1.0	1.0	2.0	2.7	3.0*	20.7*	0.98
507.110	713*	1013	1.5	72	1.0	2.0	3.0^	2.2	—	24.0*	0.97
507.111	725	1016	3.0	89	1.0	2.0	4.0	2.5	3.5	20.0	1.09
507.112	718	1013	2.0	80^	1.0	1.5	2.0^	2.2	3.5	24.5*	0.90
507.113	720	1019	2.0	69	1.0	1.5	3.0^	2.7	4.0*	23.7*	0.76
507.114	723*	1019	2.0	86	1.0	2.0	2.5	2.5	3.5	23.3	0.94
507.116	725	1019	2.5	90*	1.0	2.0	3.0*	2.7	3.5	21.7	1.24
507.117A	725	1016	2.5	80*	1.0	1.5	3.5	2.7	3.5	21.5	1.19
507.117B	725	1019	2.5	82*	1.0	2.0	2.0^	2.5	3.5	19.9	1.35
507.118	719*	1016	1.0	35	1.0	1.0	2.0	2.5	2.0	27.5*	1.07
507.119	721	1012	2.5	65	1.0	2.0	4.0	1.5	1.0	24.5*	1.69
507.120	713*	1019	1.0	64	1.0	1.0	2.0	2.5	3.0	24.2*	1.07
507.122	721	1012	3.0	72	1.0	2.0	4.0	2.5	2.5	20.4	1.12
507.136	726	1013	1.0	69	1.0	2.0	4.0	2.2	2.5	20.7	1.22
507.140	713*	1012	1.0	54	1.0	2.5	3.5	2.2	2.0*	17.8*	0.69
507.142	716	1019	1.5	72	1.0	1.0	1.0	1.5	2.0	16.3	1.20
507.143	712	1006	2.0	75	1.0	1.0	2.5	2.0	—	23.3*	1.58
507.187	712	1006	2.0	66	1.0	3.0	4.0	2.2	2.5	18.9*	1.14
507.192	713*	1009	1.5	57*	1.0	1.5	3.0^	2.5	2.5	25.4	1.23
507.205	726	1019	1.0	59	1.0	1.5	1.5	2.0	2.0	22.5	1.18
507.206	721	1013	2.5	79	1.0	2.0	3.5	2.0	3.0	21.1	1.32
507.208	711*	1012	1.0	52	1.0	2.0*	3.0	2.2	—	28.9*	0.81
507.210	713*	1010	1.0	65	1.0	1.5	3.5	2.5	2.5	27.5	1.40
507.211	711	1010	2.0	65	1.0	1.5	4.0	2.2	2.0	23.8*	1.62
507.214	713*	1010	2.0	73	1.0	1.5	2.5	2.5	2.0	26.0*	1.19
507.215	729	1013	1.0	67*	1.0	1.0	1.5	2.2	2.0	22.8	1.21
507.216A	719	1009	1.5	63	1.0	1.0	2.5	2.2	3.0	16.1	0.84
507.216B	721	1022	1.5	82*	1.0	2.0	2.0	2.2	3.0	24.2	1.23
507.219	713*	1009	2.0	64	1.0	2.0	3.5	2.0	2.0	15.5	1.03
507.223	729	1017	2.0	85	1.0	2.0	2.5	2.2	3.0	11.8	0.16
507.224	729	1013	2.0	73	1.0	2.0	2.5	3.0	3.0	11.9	0.35
507.225	729	1013	2.0	78*	1.0	2.0	2.5	2.2	3.5	11.5	0.41
507.228	713*	1009	2.0	71*	1.0	1.5	3.0*	1.7	1.5	19.9*	1.13
507.231	716	1006	2.0	64*	1.0	2.0	4.5	2.7	1.5	22.3	0.78
507.236	727	1013	2.5	80	1.0	2.0	3.0	2.0	1.0	17.7*	1.31
507.247	717	1009	1.5	58	1.0	1.0	2.5	1.7	1.0	21.5	0.91
507.250	712	1009	1.5	62	1.0	1.5	2.5	1.7	1.0	19.2*	0.92
507.251	712	1009	1.0	51	1.0	1.5	3.0	2.2	1.0	22.2	0.84
507.254	715	1009	1.0	63	1.0	1.5	4.5	1.7	1.5	15.1	1.05
507.257	728	1022	2.0	86	1.0	1.5	2.0*	2.5	4.0*	14.4	0.89
507.262	725	1022	2.0	76	1.0	1.5	2.5	2.2	2.5	19.3	1.08
507.264	713*	1007	1.0	60	1.0	1.5	4.0	3.2	2.5	26.0*	0.82
507.276	727	1019	2.0	72	1.0	1.5	2.5	1.7	1.0	18.5	1.17
507.278	716	1012	2.0	76	1.0	2.0	3.0	2.2	2.5	19.0	1.02
507.289	713*	1009	2.0	62*	1.0	1.5	3.0	2.0	2.5	24.1	1.24
507.292	718*	1007	1.5	66	1.0	1.5	2.5	2.0	1.0	20.9	1.03
507.298	721	1010	3.0	68	1.0	2.0	4.5	2.2	3.5	9.8	0.55

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
507.299	712	1009	1.0	52	1.0	1.5	2.5	2.0	3.0	17.8	1.18
507.300	712	1007	1.0	48	1.0	1.5	4.0	2.2	2.0	19.9*	1.27
507.302	804	1014	3.0	88	1.0	1.0	2.5	2.2	1.0	15.4	1.22
507.310	713*	1010	1.0	61	1.0	2.0	3.5	3.5	2.5	26.2	1.00
507.322	722	1017	2.5	72	1.0	2.5	4.0*	2.0	3.0	14.5	1.24
507.326	713*	1007	1.0	45	1.0	1.5	4.0*	2.2	2.0	21.6	1.27
507.327	713*	1014	2.0	72	1.0	2.0	3.0	1.7	2.0	19.8	1.55
507.329	725	1024	2.5	98	1.0	1.5	2.5	3.5	3.5	21.6*	0.97
507.335	725	1006	2.0	71	1.0	2.5	5.0	2.7	3.0	21.2	0.95
507.337	719*	1010	3.5	83	1.0	2.5	5.0	2.5	1.5	19.8*	1.00
507.338	723	1017	2.0	94	1.0	1.0	2.5	2.0	3.0	15.5*	1.41
507.340	805	1013	4.0	140+	1.0	1.0	1.0	2.0	1.5	12.4	1.24
507.342	713*	1009	1.0	55	1.0	1.5	2.5	2.2	3.0*	20.4	1.27
507.343	713*	1009	2.0	65	1.0	1.5	2.5	1.7	1.5	14.7	1.48
507.346	718*	1007	2.0	65	1.0	1.0	4.5	2.5	1.5	18.3	0.69
507.356	713*	1009	1.5	64*	1.0	1.5	3.0	2.0	1.0	18.7*	1.39
507.357	719*	1013	2.5	60	1.0	2.0	3.0	2.2	2.0	23.6	1.37
507.358	729	1013	2.0	70	1.0	1.0	2.0	2.2	1.0	24.3	1.30
507.360	713*	1007	2.0	61	1.0	1.5	4.5	1.5	1.0	13.5	1.11
507.377	713*	1013	1.5	70	1.0	1.5	3.5	2.2	3.0	25.2	1.16
507.380	715	1013	1.5	88*	1.0	1.5	3.0*	1.7	3.0	18.7	1.42
507.381	715	1010	1.5	69	1.0	2.0	4.5	2.2	2.0	24.2	1.29
507.394	714*	1007	1.0	59	1.0	1.5	4.0*	2.2	1.5	18.6	0.84
507.414	715	1012	2.0	55	1.0	1.5	3.0*	2.2	1.5	19.0*	0.70
507.421	713*	1019	2.0	74	1.0	1.5	2.0	2.2	2.0	20.5*	1.20
507.422	726	1006	1.5	56	1.0	1.0	1.0	2.5	1.0	13.7*	1.13
507.423	724	1006	2.0	55	1.0	1.0	1.5	2.2	1.0	14.1*	1.16
507.428	716*	1009	1.0	59	1.0	1.5	4.0*	2.5	2.0	28.2	0.79
507.444	715	1014	1.5	81	1.0	2.0	3.0	2.5	2.5	21.0*	1.24
507.451	715	1012	1.5	60	1.0	1.5	3.0*	2.2	2.5	21.5	1.16
507.452	715	1019	1.0	62	1.0	2.0	2.5	2.2	2.5	25.2	1.04
507.457	713*	1010	1.5	62	1.0	2.0	3.5	2.0	—	26.7*	1.08
507.459	714	1007	2.5	68*	1.0	1.5	5.0	1.7	2.5	16.5*	0.78
507.470	716	1007	1.5	64	1.0	1.5	4.5	1.7	2.0	13.6*	1.37
507.476	717	1012	1.0	45	1.0	1.0	1.0	1.7	2.5	8.9	0.81
507.478	719*	1019	1.0	55*	1.0	1.0	1.0	1.7	3.0	13.2*	0.81
507.479	716	1007	3.0	105*	3.0	1.5	3.0	2.0	2.5	12.0	1.01
507.484	713*	1009	1.5	74	1.0	1.5	3.5	2.2	3.0	23.9*	0.95
507.488	713*	1012	1.0	46	1.0	2.0	3.0	2.5	3.0	21.6*	1.07
507.495	718	1007	2.0	65	1.0	1.5	4.0	2.5	2.0	18.4	1.35
507.496	715	1009	1.0	69	1.0	1.5	2.5	2.2	2.5	21.9*	1.33
507.497	713*	1010	1.0	42*	1.0	1.5	2.0^	2.5	2.5	24.5	1.08
507.499	712	1009	1.5	63	1.0	1.5	2.0	2.5	2.5	24.7*	0.90
507.503	721	1016	2.0	78	1.0	2.0	3.0	2.5	3.5	24.5*	1.04
507.504	715	1016	3.0*	72	1.0	2.0	3.5	2.7	3.5	24.3*	0.99
507.505	721	1013	3.0	86	1.0	1.5	2.5	2.0	4.0*	13.6*	1.04
507.506	713*	1012	2.5	67	1.0	2.0	3.0	2.5	4.0*	19.5*	1.01
507.507	714*	1012	2.0	69*	1.0	2.0	3.0^	2.5	3.5	23.5*	1.02
507.508	716	1010	1.0	79	1.0	2.0	2.5	2.2	—	26.8	1.24
507.511	718*	1014	2.5	70	1.0	1.5	3.0^	2.2	2.0	21.9	1.12
507.512	721	1022	2.5	72	1.0	1.5	2.0	2.5	3.5	21.0	0.93
507.514	713*	1010	1.0	60	1.0	2.0	4.5	2.0	2.0	13.3	0.98
507.533	719*	1012	3.0	74	1.0	2.0	3.0*	2.2	3.5	18.3	1.33
507.536	716	1007	2.5	78*	1.0	2.5	4.5	2.0	1.0	24.9*	1.00
507.557	725	1007	2.0	49	1.0	1.5	3.5	2.0	1.0	16.8	0.82
507.558	719*	1007	1.5	62*	1.0	2.0	4.5	2.5	2.0	22.8	1.02

Table 3.1. Agronomic data for USDA soybean germplasm collection in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
507.559	716	1022	2.0	64	1.0	2.5	3.0^	2.7	4.5	25.1	0.81
507.577	712	1007	1.5	66*	1.0	1.5	4.0	2.7	2.5	26.2	1.04
507.579	719*	1020	3.0	73	1.0	2.0	2.0^	2.2	2.5	23.2	1.01
509.077	721	1016	4.0*	110*	3.0	1.0	1.0	2.5	—	8.4	0.51
509.084	713*	1007	1.5	54	1.0	2.0	4.0	2.2	—	24.4	1.02
509.086	713*	1010	1.0	54*	1.0	1.0	2.0	2.2	—	28.1*	0.77
509.090	724	1007	4.0	68	1.0	1.5	2.0	2.2	5.0	8.2	1.05
509.093	714*	1007	1.0	54	1.0	2.0	3.5	2.2	2.0	30.7*	0.62
509.094	715	1010	4.5	120*	3.0	2.0	2.0	2.7	—	13.8	0.80
509.102	713*	1007	2.5	57	1.0	1.0	1.0	2.2	5.0	18.7	0.99
509.104	721	1013	4.0	128	3.0	2.0	2.0	2.5	—	9.8	0.95
509.108	725	1012	4.5	150	3.0	2.0	2.0	2.2	—	9.0	0.92
518.296	715	1009	3.0	127	3.0	1.5	2.0*	2.0	1.0	12.7	1.54
518.297	725	1009	2.5	105	1.0	2.0	4.0	2.2	4.0*	11.5	1.18
518.726	812	1016	3.5	134	2.0*	1.0	2.0	2.2	2.5	16.0	0.81
518.727	724	1006	3.0	100	1.0	2.0	3.0	2.2	2.0	18.5	1.15
520.732	713*	1007	1.0	50	1.0	1.5	3.0	2.2	—	25.6*	1.07

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
Arksoy	VI	46.4	17.2	11.6	3.3	17.1	60.2	7.8
Armredo	VI	45.2	16.4	12.5	3.6	17.9	57.1	8.9
Brim	VI	45.0	18.3	12.3	3.2	21.3	55.5	7.7
Bryan	VI	41.5	19.7	10.9	2.6	24.5	54.8	7.2
Centennial	VI	45.3	18.4	11.5	2.8	22.0	55.9	7.9
Choska	VI	40.6	20.9	11.3	2.6	20.8	57.5	7.8
Davis	VI	43.4	19.4	12.1	2.7	19.2	58.7	6.0
Delsoy	VI	45.6[w]	16.2[w]	14.1	2.6	17.9	59.3	6.9
Easycook	VI	43.8	18.7	12.0	2.3	16.9	60.0	8.8
Gail	VI	47.2	18.9	12.3	2.3	27.1	52.0	6.4
Haberlandt	VI	41.5	20.0	11.2	2.4	20.3	58.6	7.6
Hahto	VI	45.2[w]	18.9[w]	10.8	2.1	21.1	58.6	7.4
Hayseed	VI	44.8	17.0	11.5	3.4	21.3	56.7	7.1
Hood	VI	45.1	18.5	12.9	2.6	17.6	58.7	8.2
Hood 75	VI	42.9	19.8	12.9	3.0	18.1	58.3	7.8
Jeff	VI	43.6	18.1	12.0	3.1	17.0	59.7	8.2
Kershaw	VI	44.3	18.3	12.1	3.0	18.5	58.4	8.0
Lamar	VI	44.5[w]	18.2[w]	11.5	3.0	19.4	58.3	7.8
Laredo	VI	40.4[w]	12.6[w]	12.6	3.4	14.7	57.9	11.3
Lee	VI	45.1	19.1	11.2	2.8	23.3	55.6	7.1
Lee 68	VI	43.6	19.6	11.4	2.8	23.1	55.9	6.9
Leflore	VI	44.5	17.1	12.2	2.9	22.2	54.9	7.8
Lloyd	VI	43.9	18.7	11.9	3.2	19.5	57.7	7.7
Magnolia	VI	46.9	15.8	12.7	3.0	19.7	56.2	8.5
Mamredo	VI	44.9	17.2	11.5	3.6	22.1	55.3	7.5
Ogden	VI	44.2	18.6	11.5	2.5	19.7	58.0	8.3
Old Dominion	VI	45.7[w]	13.5[w]	12.3	2.9	17.8	56.3	10.6
Pickett	VI	43.4[w]	19.0[w]	11.8	3.0	20.7	55.6	8.9
Pickett 71	VI	43.3	19.1	11.7	2.8	21.1	55.6	8.8
Pine Dell Perfection	VI	41.9[w]	16.0[w]	11.8	2.6	18.8	58.1	8.7
Ralsoy	VI	46.3	17.3	11.3	3.4	17.9	59.8	7.6
Rokusun	VI	45.7	18.2	11.3	3.0	25.5	53.5	6.6
Rose Non Pop	VI	44.5	17.6	10.7	2.7	24.8	55.2	6.7
Sharkey	VI	46.4	17.7	11.8	2.8	29.7	49.0	6.8
Sohoma	VI	44.9	20.0	11.3	2.4	21.5	58.1	6.7
Tracy	VI	46.8	17.1	12.4	3.1	27.3	50.1	7.1
Tracy-M	VI	46.1	17.6	12.3	2.9	28.8	49.1	7.0
Twiggs	VI	43.1[w]	19.8[w]	12.3	2.6	22.0	55.9	7.2
Young	VI	45.0	19.0	12.1	2.6	20.7	57.6	7.0
FC 03.659	VI	45.9	17.3	11.9	2.9	19.7	56.7	8.7
FC 03.981	VI	42.3	18.7	12.5	2.9	24.4	53.2	7.1
FC 31.665	VI	43.8	18.9	11.4	2.7	27.0	52.1	6.9
FC 31.700	VI	43.3	19.6	10.9	2.5	26.0	53.7	6.9
FC 31.709	VI	47.6	16.9	13.1	2.8	18.9	57.5	7.7
FC 31.745	VI	45.9	18.9	11.8	2.5	25.5	53.0	7.1
FC 31.933	VI	45.1	18.7	11.6	3.8	23.7	53.5	7.4
FC 31.935	VI	43.5	19.5	11.3	2.5	20.5	58.1	7.6
FC 31.943	VI	48.9	16.9	12.4	2.3	21.5	56.8	6.9
FC 32.175	VI	43.6	19.0	11.4	3.2	17.8	59.0	8.7
36.906	VI	45.8	16.5	12.3	3.2	22.3	52.9	9.3
54.610	VI	46.9	18.5	12.6	2.8	27.7	49.9	6.2
79.825	VI	47.1	16.6	12.0	2.7	21.7	56.0	7.7
79.862	VI	44.6	17.7	11.0	2.9	19.3	59.2	7.5
80.468	VI	46.0	17.8	10.8	2.3	20.8	59.0	7.1
80.476	VI	45.6	18.3	12.5	2.6	26.1	52.6	6.2
81.037	VI	43.1	19.7	10.7	3.3	26.1	53.3	6.6

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
82.312	VI	44.4	18.2	10.5	3.3	22.4	56.6	7.2
85.010	VI	45.8[w]	17.9[w]	11.8	2.8	19.2	58.0	8.1
85.465	VI	45.0	17.0	12.8	2.9	20.1	56.0	8.2
85.476	VI	45.2	16.7	13.2	2.4	17.4	58.8	8.2
85.490	VI	45.0	18.2	11.2	2.9	21.8	55.7	8.4
86.091	VI	43.4	19.0	10.7	3.0	31.8	47.9	6.6
86.109	VI	51.6	13.9	12.8	2.9	21.5	54.4	8.3
86.490	VI	50.2	9.8	11.8	3.2	16.4	58.5	10.2
86.904	VI	44.9	16.2	11.1	3.7	20.8	55.3	9.1
87.968	VI	46.9	15.6	11.9	2.8	18.6	58.8	7.8
88.461	VI	45.5	17.7	12.0	3.0	27.0	51.0	5.8
88.816S	VI	45.5	17.3	11.2	2.8	22.1	55.6	8.3
89.775	VI	45.6	16.5	11.6	3.6	19.6	56.8	8.4
90.406	VI	45.7	17.9	11.2	2.7	29.0	50.7	6.5
90.495	VI	45.1	18.7	12.3	2.7	25.4	53.1	6.4
90.499	VI	47.6	17.6	11.7	3.0	23.7	54.3	7.2
90.577	VI	42.8	18.8	11.5	3.0	25.4	53.1	7.1
90.768	VI	42.9	19.2	10.5	2.8	20.9	57.4	8.4
92.567	VI	48.8	17.6	10.3	3.4	27.5	52.4	6.3
92.601	VI	43.5	15.4	11.8	2.8	17.0	58.3	10.0
92.707S	VI	45.0	16.7	12.2	3.3	20.2	55.6	8.7
94.159	VI	47.3[w]	15.7[w]	10.7	2.9	17.3	61.1	8.0
95.860	VI	43.3	19.3	12.1	2.8	20.6	56.5	8.0
95.969	VI	42.5	20.5	10.7	2.8	26.2	52.5	7.9
96.035	VI	47.4	16.1	11.7	3.1	18.6	58.0	8.7
96.257	VI	41.8[w]	19.8[w]	10.2	3.2	19.5	59.0	8.1
96.354	VI	48.2	16.8	11.6	3.9	31.1	47.1	5.7
97.150	VI	45.1	17.4	11.1	3.2	28.3	49.8	6.6
97.161	VI	45.9	19.4	9.7	1.9	27.8	54.0	6.5
148.260	VI	45.5	17.1	12.5	2.8	21.9	54.4	8.4
157.469	VI	43.6	21.0	10.6	3.4	33.6	46.0	6.3
157.475	VI	43.3[w]	16.7[w]	12.3	2.7	17.5	58.8	8.8
157.476	VI	43.8[w]	16.6[w]	10.8	2.7	24.8	53.7	7.1
157.487A	VI	46.6	17.3	11.7	3.5	20.4	56.4	8.0
157.488	VI	43.2	19.2	11.2	2.5	25.0	53.9	7.3
159.321	VI	44.0[w]	19.0[w]	10.6	2.6	20.5	58.2	8.0
159.322	VI	46.0	18.3	10.5	2.8	22.0	57.3	7.4
159.923A	VI	45.7	19.6	11.4	3.0	26.0	53.1	6.5
165.672	VI	47.8	15.4	12.2	3.0	22.1	54.9	7.8
165.673	VI	51.5	11.7	11.5	2.7	19.1	57.9	8.8
166.147	VI	45.6	17.4	11.5	3.1	20.5	56.4	8.4
170.886	VI	45.9[w]	17.3[w]	11.3	2.9	20.4	57.3	8.2
170.887	VI	47.0	17.3	10.8	2.9	21.8	57.1	7.5
170.888	VI	44.7	18.8	12.1	3.5	20.0	56.2	8.1
170.889	VI	46.3	15.8	11.0	2.9	18.6	58.0	9.5
170.890	VI	44.2	18.5	11.2	3.2	19.8	56.7	9.0
170.891	VI	46.0	16.8	11.9	2.9	22.1	55.0	8.0
170.892	VI	49.4	14.4	11.5	3.6	20.4	55.2	9.2
171.436	VI	48.0	13.3	12.1	3.1	16.2	57.8	10.8
171.437	VI	49.0	11.4	12.3	3.1	16.9	57.5	10.1
171.439	VI	44.2[w]	15.6[w]	13.0	2.9	20.4	54.8	8.9
171.440	VI	48.2	17.6	11.6	2.9	21.4	56.1	8.0
171.441	VI	41.0[w]	10.2[w]	12.0	3.2	13.6	57.9	13.3
171.443	VI	41.8[w]	18.8[w]	11.1	2.8	25.9	52.8	7.5
171.444	VI	48.4	11.3	12.9	3.1	15.0	58.9	10.0
174.862	VI	48.3[w]	11.8[w]	12.4	3.1	20.1	54.9	9.5

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
174.863	VI	43.3[w]	13.8[w]	11.7	3.2	15.1	57.8	12.2
175.174	VI	42.0^	23.9^	11.6^	3.8^	19.4^	54.0^	11.2^
175.187	VI	47.1[w]	11.2[w]	12.1	3.1	17.8	56.6	10.4
175.189	VI	45.0[w]	12.5[w]	12.0	3.2	17.8	56.8	10.2
175.192	VI	44.1[w]	12.5[w]	11.6	3.2	18.8	55.3	11.1
175.193	VI	46.6[w]	11.3[w]	12.0	3.1	17.7	56.7	10.4
175.194	VI	45.8[w]	11.2[w]	12.0	3.1	17.7	56.8	10.4
175.195	VI	46.7[w]	12.0[w]	12.0	3.1	18.7	56.3	10.0
175.196	VI	46.1[w]	11.2[w]	11.7	3.2	17.9	56.9	10.1
175.198	VI	45.8[w]	11.6[w]	11.8	3.2	17.8	56.9	10.3
175.199	VI	46.4[w]	10.9[w]	12.0	3.2	19.2	55.5	10.1
181.556	VI	43.4	19.9	12.2	3.0	26.3	51.1	7.3
181.559	VI	42.0	19.0	11.9	3.3	23.1	53.7	8.0
181.561	VI	43.4	19.1	11.1	3.0	25.6	53.4	6.8
187.156	VI	44.8	16.6	13.7	2.6	25.5	51.1	7.1
200.446	VI	43.1	19.4	12.1	3.1	24.2	52.7	7.9
200.449	VII	44.7[w]	18.5[w]	12.0	3.3	18.4	58.8	7.4
200.461	VI	47.3[w]	13.7[w]	12.6	3.0	19.3	56.7	8.4
200.483	VI	45.2[w]	15.7[w]	13.7	3.2	17.2	57.5	8.5
200.497	VI	42.6[w]	17.1[w]	11.6	3.0	24.3	53.9	7.2
200.502	VI	47.8	15.8	12.8	2.9	19.6	45.0	15.9
200.505	VI	43.6	18.3	12.7	2.7	18.5	57.5	8.6
200.553	VI	45.2[w]	13.7[w]	12.2	3.0	19.9	57.7	7.2
201.421	VI	46.6	18.0	11.1	3.6	20.1	58.5	6.7
201.422	VI	43.6	17.1	10.7	3.0	19.8	58.2	8.2
201.428	VI	44.7	19.2	11.3	2.9	21.1	57.4	7.3
201.431	VI	44.0[w]	19.8[w]	11.0	2.7	21.6	57.6	7.1
205.384	VI	44.3	18.8	11.4	3.4	22.9	54.9	7.3
208.432	VI	43.8[w]	19.7[w]	12.3	2.7	20.1	57.2	7.7
209.908	VI	45.7	16.9	11.9	3.0	24.6	53.0	7.5
212.604	VI	46.7[w]	11.9[w]	11.8	3.0	14.0	59.2	12.1
212.605	VI	47.4[w]	13.5[w]	12.3	3.2	14.8	57.0	12.6
212.606	VI	47.1[w]	12.7[w]	13.0	3.0	17.4	56.9	9.6
212.716	VI	42.6	19.5	11.5	3.3	20.2	56.5	8.6
215.693	VI	47.7	16.0	11.5	3.2	23.7	54.7	7.0
215.811	VI	46.3[w]	12.8[w]	12.2	3.1	15.7	56.9	12.1
219.656	VI	45.6[w]	14.9[w]	13.0	4.4	23.3	50.8	8.6
219.698	VI	41.3[w]	12.6[w]	13.3	3.4	16.1	57.2	10.0
219.732	VI	43.0[w]	15.5[w]	12.2	3.5	17.5	57.0	9.8
221.713	VI	44.9	17.4	11.6	3.2	19.0	57.5	8.7
221.714	VI	45.4	18.8	10.8	2.9	23.6	55.5	7.3
221.717	VI	44.9	18.0	11.3	2.7	19.3	59.2	7.6
221.972	VI	47.4[w]	12.7[w]	12.7	3.0	17.1	57.9	9.3
222.397	VI	44.5^	15.3^	12.4^	3.4^	17.6^	56.7^	10.0^
227.214	VII	45.7	17.3	13.2	3.5	21.2	55.0	7.1
229.320	VI	44.4	18.9	10.9	3.7	25.8	52.4	7.1
230.974	VI	44.6[w]	16.0[w]	11.6	3.3	26.6	52.0	6.4
230.978	VI	45.1[w]	18.4[w]	11.9	3.2	22.9	54.6	7.3
230.979	VI	45.6	15.6	11.8	2.9	21.3	56.3	7.7
243.526	VI	43.9	19.9	11.1	3.9	26.7	51.1	7.2
253.662	VI	46.7	17.8	11.6	3.4	27.4	51.0	6.6
253.664	V	47.5	16.4	13.3	3.0	22.4	52.6	8.7
283.327	V	48.8	15.6	11.1	4.0	41.4	35.8	7.7
284.815	VI	48.3	13.5	12.7	3.0	21.3	54.2	8.8
303.653	VI	43.1[w]	18.9[w]	11.3	2.9	26.2	52.0	7.6
304.217	V	45.2	19.2	11.9	2.7	22.5	56.5	6.5

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
312.222	VI	43.4	18.9	11.3	2.9	20.7	58.1	7.1
319.525	VI	42.7[w]	14.8[w]	11.7	3.7	20.3	54.3	10.0
319.529	VI	49.6	14.5	13.5	3.2	20.2	54.7	8.4
319.530	VI	47.1	16.8	12.4	3.2	23.9	52.3	8.1
319.531	VI	46.0	16.8	12.3	3.1	21.0	55.5	8.1
324.066	VI	44.0	19.2	10.6	3.5	21.8	56.0	8.1
340.050	VI	44.5	16.8	12.6	2.7	22.3	54.1	8.3
341.264	VI	45.9	17.0	12.5	3.2	20.0	56.0	8.3
346.301	VI	49.0	13.5	11.3	3.3	23.9	53.7	7.8
360.834	VII	43.8	20.1	12.2	3.5	18.5	58.8	7.0
360.839	VI	45.8	18.9	11.6	3.2	23.1	56.1	6.1
360.851	VII	43.6[w]	19.4[w]	11.8	3.2	19.5	57.8	7.7
365.426	VI	42.0[w]	12.9[w]	11.8	3.6	15.8	58.0	10.8
366.036	VI	45.9	15.5	12.8	3.9	17.1	58.0	8.2
368.037	VI	47.8	15.8	13.0	3.5	19.5	55.8	8.2
368.038	VI	46.2	16.4	12.6	3.6	23.7	53.1	7.0
368.039	VI	46.9	16.2	12.9	3.7	24.4	52.3	6.7
371.607	VI	44.1	17.6	11.0	3.2	19.2	58.7	8.0
371.609	VI	47.3	15.8	11.3	3.0	23.2	55.2	7.2
371.612	V	43.1	20.5	12.5	2.7	24.8	53.6	6.4
374.220	VI	44.9	19.2	10.9	3.0	22.1	56.2	7.9
374.221	VI	42.5[w]	19.4[w]	10.9	3.9	21.2	55.9	8.1
377.575	VI	43.5	19.6	11.0	3.0	21.8	56.8	7.4
377.576	VI	48.7	16.1	12.9	3.7	25.6	51.0	6.9
377.577	VI	44.7	17.0	11.3	3.2	25.0	55.4	5.0
379.620	VI	48.7	15.7	12.1	3.1	22.2	55.4	7.2
379.621	VI	48.4	15.3	12.1	3.6	20.5	55.9	7.8
379.622	VI	44.3	18.6	11.7	3.1	24.2	54.6	6.3
381.679	VI	45.8	15.6	12.2	3.0	20.7	55.3	8.8
381.683	VI	47.4	17.0	11.3	3.7	18.5	59.5	7.0
398.192	VI	46.6	17.2	11.8	3.0	19.9	57.6	7.7
398.194	VI	46.3[w]	16.4[w]	11.8	3.0	18.7	58.5	8.0
398.220	VI	49.2	13.8	12.2	3.5	19.0	57.2	8.2
398.254	VI	44.5[w]	19.3[w]	13.0	3.7	21.7	54.5	7.2
398.292	VI	40.8[w]	17.4[w]	11.2	3.6	22.4	54.4	8.3
398.332	VI	43.8[w]	18.8[w]	11.0	3.2	26.7	52.4	6.6
398.361	VI	45.0[w]	18.5[w]	11.4	3.2	20.1	57.9	7.4
398.372	VI	46.0	14.6	11.5	3.4	17.3	58.9	8.9
398.469	VI	46.0	16.3	12.2	3.0	21.1	55.9	7.8
398.473	VI	40.9[w]	18.3[w]	11.4	2.9	20.7	57.3	7.8
398.479	VI	47.3	14.3	11.6	3.2	15.4	59.4	10.5
398.556	VI	45.0[w]	17.2[w]	12.2	3.2	18.0	58.4	8.1
398.557	VI	43.2[w]	16.9[w]	12.1	3.0	17.6	58.7	8.6
398.570	VI	43.8[w]	17.3[w]	11.9	2.7	20.2	57.7	7.4
398.575	VI	44.7[w]	16.4[w]	11.0	3.0	19.9	57.5	8.5
398.578	VI	43.6[w]	17.5[w]	10.9	3.7	24.0	54.3	7.1
398.580	VI	48.2	16.1	12.6	2.7	19.6	57.2	7.8
398.592	VI	51.8	11.1	12.6	3.2	17.8	56.6	9.8
398.598	VI	45.5[w]	15.8[w]	11.2	2.6	22.2	56.7	7.2
398.606	VI	47.7	14.2	12.2	3.2	18.7	56.6	9.3
398.611	VI	46.7	17.3	10.7	2.6	21.3	53.3	12.0
398.635	VI	50.3[w]	12.1[w]	11.4	3.4	19.8	56.9	8.5
398.646	VI	45.7[w]	18.0[w]	10.9	2.9	22.1	57.4	6.7
398.648	VI	44.5[w]	16.9[w]	10.5	2.8	25.9	54.1	6.7
398.718	VI	45.7[w]	19.9[w]	10.4	2.9	26.8	53.0	7.0
398.719	VI	45.6[w]	16.4[w]	11.5	3.2	22.4	55.4	7.4

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
398.721	VI	45.2[w]	16.7[w]	11.6	3.1	21.0	56.6	7.7
398.724	VI	46.8[w]	16.0[w]	11.7	3.1	21.8	55.7	7.8
398.729	VI	46.6[w]	18.2[w]	11.3	2.7	27.2	52.9	5.9
398.731	VI	45.8[w]	14.5[w]	16.1	2.7	19.5	52.2	9.5
398.732	VI	46.4[w]	16.0[w]	10.9	3.1	21.8	56.9	7.3
398.734	VI	43.8[w]	18.5[w]	11.0	3.0	28.4	50.5	7.1
398.736	VI	43.2[w]	18.5[w]	9.2	3.4	35.0	46.0	6.4
398.742	VI	45.2[w]	15.8[w]	12.6	2.5	22.8	54.9	7.2
398.769	VI	44.5	19.6	11.0	2.7	25.2	54.3	6.8
398.771	VI	43.8[w]	17.9[w]	9.6	3.2	23.4	55.7	8.1
398.781	VI	44.7[w]	18.8[w]	11.2	3.0	27.5	51.8	6.5
398.789	VI	48.5	12.6	12.2	3.4	18.5	56.7	9.2
398.794	VI	43.6[w]	18.2[w]	11.9	3.0	33.9	44.4	6.8
398.817	VI	44.0[w]	19.1[w]	12.2	3.0	21.3	56.0	7.4
398.824	VI	48.8[w]	11.6[w]	12.9	3.8	17.7	57.4	8.2
398.826	VI	43.8[w]	16.8[w]	11.2	3.2	23.6	55.2	6.7
398.827	VI	43.0[w]	16.0[w]	11.1	3.3	16.3	60.5	8.8
398.850	VI	44.9[w]	18.7[w]	11.5	2.9	25.9	53.6	6.1
398.853	VI	45.9[w]	16.3[w]	12.0	3.5	17.2	58.8	8.6
398.896	VI	51.2	13.4	12.5	3.2	19.5	56.2	8.6
398.925	VI	44.3[w]	16.8[w]	12.2	3.3	27.2	49.4	7.9
398.945	VI	44.7[w]	17.4[w]	10.7	2.5	22.9	56.2	7.6
398.950	VI	45.3[w]	17.4[w]	11.3	2.4	21.6	58.2	6.6
398.952	VI	43.4[w]	17.8[w]	11.0	2.7	19.6	57.9	8.8
398.956	VI	47.0[w]	13.7[w]	11.7	3.2	17.2	59.6	8.3
398.966	VI	45.2[w]	19.3[w]	11.6	3.3	28.1	50.5	6.6
398.967	VI	40.5[w]	17.6[w]	9.9	2.4	19.9	58.2	7.6
398.973	VI	48.2[w]	18.1[w]	12.2	3.6	24.3	53.4	6.6
398.978	VI	45.9[w]	18.2[w]	11.6	2.5	26.5	53.1	6.4
398.983	VI	51.5[w]	11.7[w]	12.2	3.0	16.5	58.4	10.0
398.998	VI	46.0[w]	15.8[w]	12.4	3.0	22.6	54.8	7.2
398.999	VI	46.6[w]	15.9[w]	12.9	2.8	17.6	58.2	8.5
399.041	VI	49.9	14.6	11.7	3.2	23.0	54.4	7.6
399.047	VI	46.0[w]	17.3[w]	11.7	3.1	22.1	56.0	7.3
399.048	VI	45.1[w]	18.1[w]	12.1	2.8	34.4	44.4	6.3
399.049	VI	45.8[w]	16.8[w]	12.3	2.9	31.9	46.4	6.5
399.053	VI	44.3	19.1	12.3	2.9	30.8	46.5	7.4
399.061	VI	46.7	16.4	11.7	3.2	24.2	53.0	7.9
399.087	VI	43.8[w]	17.9[w]	11.5	3.3	23.7	54.3	7.3
399.088	VI	46.2[w]	17.6[w]	11.5	2.8	24.2	53.9	7.6
399.090	VI	45.9[w]	17.1[w]	12.4	3.1	25.5	51.7	7.4
399.102	VI	46.8[w]	11.7[w]	13.1	3.1	20.5	55.0	8.3
399.104	VI	50.8[w]	12.0[w]	12.4	3.0	17.5	57.7	9.5
407.738	VI	41.4[w]	20.7[w]	11.2	3.3	19.5	57.8	8.3
407.743	VI	45.4[w]	17.8[w]	10.8	2.7	25.0	54.5	6.9
407.744	VI	45.8	17.7	11.2	2.9	21.9	56.5	7.5
407.771	VI	46.6[w]	15.2[w]	10.1	3.4	27.8	51.6	7.1
407.781C	VI	52.1	13.1	12.5	3.4	19.1	57.1	7.8
407.801	VI	48.8	12.9	11.8	3.2	16.7	59.0	9.3
407.839-2	VI	49.1[w]	13.9[w]	12.8	4.4	24.0	51.3	7.5
407.868C	VI	45.4[w]	18.4[w]	10.4	3.0	22.5	57.0	7.1
407.872B	VI	43.0[w]	18.6[w]	11.8	3.1	23.5	54.6	7.0
407.898B	VI	45.6	17.7	12.0	3.4	21.2	55.4	8.0
407.937-2	VI	44.7	16.6	12.4	3.1	19.8	56.9	7.9
407.945	VI	45.6[w]	18.1[w]	11.8	2.8	20.5	57.2	7.7
407.946-1	VI	44.7[w]	16.8[w]	12.3	3.7	24.5	51.7	7.8

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
407.964	VI	43.1[w]	18.4[w]	10.6	3.5	23.7	54.5	7.6
407.967	VI	45.3	19.0	11.1	2.6	23.0	57.1	6.3
407.969	VI	43.3[w]	19.0[w]	11.4	2.6	22.6	55.7	7.8
407.997	VI	47.4[w]	16.1[w]	11.5	2.3	20.9	57.6	7.7
408.007	VI	46.1[w]	18.1[w]	11.1	2.6	26.9	53.0	6.5
408.030	VI	43.9[w]	18.5[w]	11.8	3.1	20.7	57.2	7.1
408.043	VI	45.3[w]	17.6[w]	11.2	2.8	21.6	56.3	8.1
408.044	VI	45.3[w]	15.6[w]	11.9	3.1	23.2	54.5	7.3
408.061	VI	46.2	17.2	11.1	3.4	18.8	59.2	7.5
408.067B	VI	42.7[w]	15.5[w]	11.7	3.0	16.8	59.5	8.9
408.085	VI	44.6	16.4	10.2	3.2	22.0	56.9	7.7
408.092C	VI	44.4[w]	16.2[w]	9.9	2.5	22.3	58.2	7.2
408.101	VI	42.3[w]	15.9[w]	10.9	3.2	20.4	58.1	7.4
408.109B	VI	43.4[w]	17.7[w]	11.4	3.1	25.1	53.4	7.0
408.169C	VI	46.4	16.9	12.2	3.2	20.0	56.8	7.8
408.184B	VI	44.9	19.0	11.3	3.4	24.3	54.0	7.1
408.191B	VI	42.3[w]	19.6[w]	10.8	2.4	24.2	56.1	6.5
408.240	VI	44.1[w]	19.1[w]	12.6	3.0	25.1	52.6	6.8
408.241	VI	44.8	19.2	12.2	3.2	25.2	52.2	7.2
408.253	VI	45.3	19.1	11.6	3.0	29.0	49.5	6.9
408.254	VI	44.5[w]	17.7[w]	11.6	3.4	29.2	49.3	6.4
408.257	VI	44.1	19.3	10.7	3.2	21.9	56.4	7.8
408.259B	VI	45.8[w]	15.0[w]	10.6	2.8	23.1	55.6	7.9
408.265C	VI	45.6[w]	17.7[w]	12.1	3.2	20.8	56.1	7.8
408.266	VI	44.5	18.2	11.7	3.2	21.9	55.5	7.7
408.269C	VI	44.7	17.6	11.1	3.0	22.1	56.4	7.4
408.276	VI	46.7[w]	18.7[w]	11.8	3.0	22.5	55.8	6.9
408.296B	VI	44.3[w]	18.3[w]	10.8	2.9	25.2	54.5	6.7
408.318B	VI	45.8	18.7	11.1	2.7	23.1	55.9	7.1
408.332B	VI	49.2[w]	14.8[w]	13.3	2.9	20.5	55.0	8.4
408.340	VI	43.1	19.6	12.8	3.3	22.6	53.2	8.2
408.342	VI	47.9[w]	15.1[w]	12.1	2.7	21.7	55.6	7.9
416.754	VI	44.0	18.5	11.5	2.7	19.8	57.9	8.1
416.760	VI	43.3	18.2	11.3	3.1	23.2	55.6	6.9
416.766	VI	42.0	20.0	12.0	2.9	21.4	55.8	7.8
416.767	VI	42.2	20.7	11.8	3.3	22.8	54.5	7.6
416.781	VI	45.6	18.8	11.4	3.3	22.4	55.4	7.4
416.787	VI	42.1[w]	16.7[w]	11.6	3.3	24.9	52.8	7.5
416.790	VI	41.6[w]	17.3[w]	12.1	3.0	23.9	53.4	7.6
416.794	VI	43.6[w]	18.1[w]	10.8	2.8	21.0	57.5	7.9
416.796	VI	44.4[w]	18.8[w]	11.3	2.5	25.7	53.9	6.6
416.798	VI	43.5	19.9	11.2	3.7	25.1	52.8	7.1
416.809	VI	46.9[w]	15.1[w]	12.1	2.9	23.8	53.7	7.5
416.812	VI	45.2[w]	13.6[w]	13.1	3.1	17.3	57.3	9.1
416.848	VI	45.5	17.6	11.4	3.1	22.8	55.3	7.5
416.876	VI	43.5[w]	17.2[w]	11.6	3.1	22.6	56.4	6.2
416.885	VI	41.9	19.0	10.3	3.3	24.4	52.8	9.3
416.895	VI	42.0[w]	19.1[w]	10.6	3.2	25.6	53.5	7.3
416.903	VI	43.4	18.4	12.2	2.5	21.2	55.7	8.3
416.907	VI	42.5	18.6	14.0	3.6	21.9	53.1	7.5
416.912	VI	43.4	20.0	12.0	3.1	20.9	56.3	7.6
416.922	VI	47.7	17.6	12.5	3.3	23.5	54.0	6.7
416.924	VI	43.8	20.2	12.2	3.0	21.3	56.0	7.6
416.925	VI	45.3	17.1	13.9	2.6	21.5	53.3	8.7
416.932	VI	43.9	20.4	10.8	3.0	26.7	53.1	6.3
416.933	VI	43.0	19.9	11.1	2.9	26.3	53.4	6.2

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
416.937	VI	47.1	15.6	13.1	3.1	20.6	54.6	8.7
416.951	VI	45.2[w]	18.3[w]	12.5	3.4	24.1	54.0	6.0
416.955	VI	44.4	19.5	11.4	2.9	21.5	57.0	7.1
416.969	VI	42.2	19.5	10.8	3.0	20.3	58.1	7.7
417.011	VI	45.2[w]	14.7[w]	13.0	2.5	18.3	56.9	9.2
417.038	VI	43.0	19.4	11.8	2.8	19.8	57.4	8.2
417.083	VI	45.9[w]	15.6[w]	11.9	3.0	21.2	56.5	7.4
417.097	VI	44.6	19.6	10.8	3.1	27.5	52.5	6.2
417.164	VI	44.1[w]	17.3[w]	12.9	3.0	22.6	53.7	7.8
417.181	VI	44.7	19.9	11.4	3.2	25.3	53.1	6.9
417.188	VI	45.7	17.1	10.9	3.3	26.6	51.9	7.2
417.194	VI	47.0	17.1	11.7	3.1	21.8	55.9	7.4
417.197	VI	44.2	19.5	12.2	3.0	20.1	57.4	7.3
417.203	VI	43.1	18.9	11.1	3.3	20.5	56.9	8.2
417.204	VI	43.2	20.6	10.8	3.0	26.5	53.7	6.0
417.212	VI	42.0	20.8	12.5	3.3	22.8	53.9	7.6
417.213	VI	47.0	16.7	12.3	2.9	18.9	58.5	7.5
417.216	VI	44.0	19.7	10.6	3.6	35.1	44.5	6.2
417.220	VI	45.5	18.6	12.3	2.8	22.8	55.1	7.1
417.221	VI	45.1	18.4	12.3	2.8	20.7	56.1	8.1
417.223	VI	46.3[w]	18.0[w]	12.9	3.1	21.4	55.0	7.7
417.224	VI	44.8	18.8	12.6	2.9	21.1	55.9	7.4
417.256	VI	45.0	19.2	11.5	3.8	30.4	47.3	7.0
417.266	VI	43.7[w]	18.9[w]	11.2	2.9	21.6	56.3	8.0
417.267	VI	42.6[w]	19.0[w]	12.5	3.2	24.6	52.1	7.5
417.310	VI	45.5	19.8	11.2	3.5	28.1	50.1	7.1
417.330	VI	44.9	19.5	11.2	2.9	27.1	52.7	6.2
417.357	VI	41.8[w]	18.6[w]	11.7	2.7	24.1	54.4	7.1
417.358	VI	41.8[w]	19.1[w]	11.1	3.0	27.5	51.0	7.4
417.375	VI	45.3	18.0	9.9	2.7	28.0	51.2	8.2
417.376	VI	45.0	18.6	12.2	2.9	24.0	53.3	7.5
417.378	VI	42.9[w]	16.8[w]	12.6	3.0	24.2	52.7	7.6
417.405	VI	43.2	20.8	10.8	3.4	24.4	54.4	7.0
417.406	VI	43.2[w]	19.6[w]	11.1	3.4	33.0	45.9	6.6
417.407	VI	42.4	20.1	12.0	3.3	25.4	51.6	7.6
417.408	VI	43.8	19.4	11.7	2.9	24.2	54.5	6.6
417.409	VI	43.3	19.8	12.2	3.0	28.8	49.1	6.9
417.410	VI	43.2	20.0	11.9	3.1	30.1	48.1	6.9
417.416	VI	44.1	20.4	12.9	2.4	25.2	52.6	7.0
417.421	VI	43.3	18.7	10.8	2.6	25.3	53.3	8.0
417.422	VI	43.1	19.4	11.1	3.0	20.5	58.3	7.1
417.427	VI	42.3	19.9	11.3	3.1	26.9	52.1	6.6
417.444	VI	42.2[w]	17.5[w]	11.6	2.9	22.0	55.9	7.7
417.469	VI	43.0	18.3	11.8	2.5	20.1	57.1	8.5
417.473	VI	48.0	16.0	12.2	2.8	19.1	58.2	7.8
417.477	VI	47.4	17.1	11.3	3.0	23.9	54.5	7.2
417.490	VI	44.2	20.2	11.0	3.1	25.1	54.4	6.4
417.503	VI	50.5	15.1	12.5	3.3	24.7	52.1	7.4
417.561	VI	43.6	18.3	11.6	2.7	22.8	56.3	7.7
417.562	VI	41.7	19.0	11.5	3.6	20.0	57.4	7.5
417.563	VI	48.2	15.1	11.4	3.1	25.0	52.7	7.8
423.736B	VI	43.8[w]	18.6[w]	11.2	3.6	23.1	54.4	7.6
423.755	VI	43.0[w]	17.2[w]	11.1	2.8	24.4	54.3	7.4
423.780	VI	47.1[w]	16.6[w]	12.1	2.7	23.9	54.5	6.9
423.821	VI	45.8[w]	15.6[w]	11.5	3.6	21.1	55.6	8.2
423.822	VI	43.8[w]	17.1[w]	11.9	4.2	24.9	52.0	7.0

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
423.831	VI	50.3	12.8	11.2	2.6	19.8	56.3	10.1
423.849	VI	47.1[w]	16.7[w]	11.2	2.6	24.2	55.3	6.7
423.852	VI	47.2	14.0	12.2	3.4	18.5	56.6	9.3
423.853	VI	43.6[w]	16.1[w]	11.2	2.8	21.4	56.2	8.4
423.859	VI	45.4[w]	18.5[w]	11.4	3.1	22.6	56.0	6.9
423.861	VI	47.2[w]	15.2[w]	10.7	3.3	19.9	58.3	7.9
423.878	VI	47.3^	16.8^	11.2^	3.9^	24.0^	53.7^	7.0^
423.879	VII	46.8	17.8	11.9	3.4	23.3	54.7	6.7
423.895	VI	47.0	17.5	12.0	2.9	19.2	58.3	7.7
423.898	VI	43.7	18.4	11.4	3.3	25.3	53.5	6.5
423.900	VI	49.1	14.5	12.1	2.8	20.2	55.9	9.0
423.905	VI	45.3	18.7	13.1	3.3	27.4	49.6	6.5
423.907	VI	43.6	18.9	11.9	2.9	21.9	55.0	8.3
423.916	VI	43.4	19.2	11.8	3.3	20.2	57.4	7.4
423.918	VI	44.0	19.4	11.4	3.2	25.6	52.8	7.0
423.921	VI	42.9	20.9	13.2	3.3	23.7	52.9	6.9
423.925	VI	43.7	19.4	11.5	3.2	30.1	48.6	6.6
423.930B	VI	45.3	18.5	11.7	2.8	24.2	54.6	6.7
423.931	VI	42.0	19.1	11.7	2.7	19.3	57.0	9.1
423.964	VII	44.8	17.9	11.4	3.4	23.4	55.1	6.7
423.965	VI	45.3	17.3	12.0	3.1	21.0	56.8	7.0
423.969	VI	44.5	18.9	11.5	3.1	25.3	53.3	6.7
423.978	VI	43.2	19.9	11.4	2.8	22.5	56.9	6.4
423.986	VI	42.4	20.4	11.3	3.3	29.5	48.8	7.1
424.139	VI	44.0[w]	17.8[w]	12.0	3.0	34.3	44.4	6.4
424.142	VI	43.9[w]	17.5[w]	10.7	3.3	29.2	49.6	7.1
424.145	VI	44.9[w]	18.6[w]	11.9	2.9	34.4	44.4	6.4
424.146	VI	42.1[w]	19.6[w]	10.8	2.9	28.6	51.0	6.7
424.147	VI	45.3[w]	18.2[w]	11.6	3.2	35.0	44.0	6.2
424.156B	VI	45.5[w]	18.0[w]	10.1	3.4	31.6	49.2	5.7
424.157A	VI	44.9[w]	18.0[w]	11.0	2.9	20.7	56.5	8.8
424.157B	VI	44.7[w]	19.5[w]	11.4	2.8	24.6	54.6	6.7
424.161	VI	48.2	17.8	12.6	2.8	23.1	55.0	6.5
424.163	VI	45.9[w]	16.5[w]	12.0	3.5	22.6	55.1	6.8
424.164B	VI	43.0[w]	20.3[w]	11.1	2.7	24.4	54.5	7.3
424.172B	VI	51.0	13.5	12.5	3.5	20.3	56.3	7.3
424.172C	VI	44.7	18.2	11.4	3.7	27.7	50.5	6.8
424.174	VI	47.4	18.5	11.5	3.6	26.9	52.7	5.3
424.178C	VI	45.1[w]	15.3[w]	12.3	3.4	19.0	56.4	8.8
424.182B	VI	43.8	20.3	10.3	2.6	23.5	56.9	6.6
424.185	VI	44.4[w]	17.8[w]	11.0	3.2	32.9	47.0	5.9
424.304	VI	53.1	12.4	12.1	3.8	19.0	55.9	9.1
424.337–2	VI	43.1[w]	19.3[w]	11.2	2.8	26.9	53.2	6.0
424.360	VI	42.7[w]	18.1[w]	11.9	2.9	21.4	55.8	8.0
424.361	VI	42.4[w]	18.2[w]	11.5	2.9	21.9	56.0	7.7
424.371	VI	45.9	19.7	11.3	2.7	27.7	52.0	6.3
424.375	VI	43.8[w]	18.4[w]	12.0	3.1	34.3	44.0	6.6
424.391	VI	46.1	17.7	11.7	2.8	19.5	58.5	7.5
424.416	VI	45.4[w]	16.1[w]	11.8	3.2	23.4	54.9	6.7
424.433	VI	53.7	10.9	12.0	3.9	17.8	58.7	7.6
424.434	VI	43.8[w]	17.4[w]	12.1	3.0	22.8	55.3	6.9
424.437	VI	43.7[w]	17.8[w]	12.0	2.7	26.4	51.4	7.5
424.438	VI	43.1[w]	18.6[w]	11.6	2.7	21.6	56.8	7.3
424.442	VI	43.8[w]	16.5[w]	11.7	3.1	23.4	53.6	8.1
424.447	VI	42.7[w]	17.9[w]	10.9	2.8	23.7	54.6	8.0
424.453	VI	50.6	13.7	12.7	3.2	22.9	53.2	7.9

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
424.456	VI	43.6	18.2	12.0	3.8	24.9	52.1	7.2
424.461	VI	47.3[w]	14.3[w]	11.1	3.2	23.0	56.7	6.0
424.464	VI	43.5[w]	17.5[w]	11.8	3.4	21.3	56.4	7.1
424.473	VI	48.0[w]	14.8[w]	11.1	2.9	20.9	57.5	7.6
424.478	VI	49.0[w]	17.3[w]	11.5	2.5	20.4	58.3	7.3
424.501	VI	45.1[w]	17.5[w]	12.0	3.2	26.1	51.9	6.9
424.502	VI	44.8	19.0	12.0	3.2	25.1	52.5	7.2
424.534	VI	45.7[w]	17.6[w]	11.7	2.9	22.0	56.6	6.9
424.591	VI	45.9	18.0	11.0	3.5	23.1	54.9	7.5
424.594	VI	45.0[w]	14.9[w]	11.8	3.4	19.6	56.8	8.5
424.595	VI	43.4[w]	17.6[w]	12.1	3.5	20.2	56.7	7.4
427.241	VI	44.9^	12.0^	—	—	—	—	—
430.600C	VI	46.5	17.1	12.6	2.8	25.2	52.0	7.4
437.667	VI	46.9	16.5	10.9	3.0	27.1	51.0	8.0
437.708	VI	41.3[w]	11.7[w]	12.8	3.2	16.1	56.6	11.3
437.726	VI	43.5	19.0	11.5	2.8	19.3	59.4	6.9
437.730	VI	43.9	18.4	11.1	3.4	21.8	55.1	8.5
438.280	VI	46.8	17.8	11.0	3.1	22.7	56.2	7.1
438.284	VII	47.2	16.7	10.2	3.1	19.9	58.5	8.2
438.342	VI	37.8[w]	14.8[w]	12.1	3.5	13.4	58.3	12.7
438.426	VI	47.1[w]	11.1[w]	11.2	3.3	14.0	60.6	10.8
438.431	VI	42.3[w]	19.0[w]	11.2	2.5	18.2	59.9	8.1
438.438	VI	44.2[w]	17.0[w]	11.8	2.7	21.1	57.2	7.2
458.122	VI	42.6[w]	18.6[w]	10.0	2.9	24.3	56.0	6.8
458.155	VI	45.4	17.2	11.6	2.9	26.4	52.3	6.8
458.187	VI	42.1[w]	19.2[w]	12.9	3.3	30.0	47.5	6.3
458.206	VI	44.7[w]	18.4[w]	11.3	3.0	20.5	57.0	8.3
458.210	VI	44.4[w]	18.5[w]	12.4	2.8	26.1	51.0	7.6
458.212	VI	43.7[w]	15.7[w]	11.1	3.1	23.4	54.3	8.0
458.213	VI	42.4[w]	19.2[w]	11.8	3.3	23.0	54.4	7.5
458.220	VI	48.9	14.8	11.6	3.1	19.9	57.4	8.0
458.228	VI	44.7[w]	16.1[w]	12.2	2.8	26.5	50.7	7.8
458.241	VI	44.0[w]	16.9[w]	12.1	2.6	25.8	51.6	7.8
458.243	VI	43.7[w]	17.3[w]	11.8	2.6	26.0	52.0	7.6
458.251	VI	41.8[w]	19.8[w]	12.2	3.2	22.5	54.8	7.3
458.257	VI	44.6[w]	17.9[w]	12.2	2.4	25.1	51.8	8.5
464.932	VI	44.8	17.9	11.9	2.7	24.1	54.0	7.2
468.130	VI	42.6[w]	11.1[w]	11.4	3.3	15.7	58.4	11.2
468.131	VI	43.4[w]	12.1[w]	12.0	3.6	17.3	57.1	10.0
468.964	VI	42.8	15.9	12.0	3.5	25.5	51.4	7.6
468.966	VI	45.3	17.2	12.8	2.5	24.5	51.5	8.8
471.903	VI	48.3	14.6	12.0	3.0	22.9	52.9	9.2
471.927	VI	47.5[w]	12.9[w]	10.6	2.9	22.0	55.9	8.6
471.940	VI	43.5[w]	16.0[w]	11.7	2.8	21.3	56.8	7.3
476.885	VI	47.0	14.6	12.9	2.9	23.7	52.2	8.2
476.897	VI	48.3	13.4	12.0	2.8	16.4	59.0	9.7
476.900	VI	46.1	17.5	10.1	2.9	21.6	57.3	8.0
476.907	VI	46.2	16.8	10.2	2.9	21.7	57.2	8.0
476.916	VI	46.1	17.1	10.2	2.7	21.6	57.3	8.2
476.918	VI	47.7	14.6	11.8	2.8	24.3	52.3	8.8
476.925	VI	47.1	16.2	12.5	2.8	21.8	54.6	8.3
476.930	VI	44.0	15.1	11.6	3.2	25.0	52.2	8.0
476.934	VI	48.0	14.0	13.3	3.0	24.5	51.4	7.8
486.335	VI	47.6	16.1	11.0	3.0	22.6	56.0	7.4
494.181	VI	46.5	15.0	11.4	2.3	17.2	59.3	9.8
494.851	VI	43.0	19.7	11.7	2.7	19.9	58.8	6.8

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
504.507	VI	43.1[w]	18.1[w]	12.1	2.6	20.0	57.5	7.9
506.471	VI	45.3	20.2	10.7	2.6	23.2	57.1	6.5
506.473	VI	44.7	19.3	13.6	2.7	23.7	52.4	7.5
506.483	VI	44.0	18.8	11.2	3.2	24.3	54.0	7.2
506.484	VI	43.6[w]	16.3[w]	12.7	2.9	25.6	51.5	7.3
506.486	VI	42.9[w]	17.1[w]	11.4	2.1	23.7	56.2	6.7
506.493	VI	42.0	18.9	11.3	2.5	20.4	57.9	7.9
506.494	VI	44.0	18.7	11.1	2.5	18.0	59.6	8.7
506.495	VI	45.1	18.0	11.8	3.1	26.3	51.9	7.0
506.496	VI	43.8	19.6	11.7	2.8	25.2	52.2	8.1
506.497	VI	42.6	20.1	11.6	3.0	25.7	51.9	7.8
506.500	VI	44.0	19.5	10.1	3.2	24.9	54.2	7.6
506.501	VI	44.8	18.8	11.4	2.7	18.2	59.7	8.1
506.502	VI	44.1	19.2	11.2	2.9	25.7	53.4	6.7
506.503	VI	44.1	19.0	11.4	2.9	24.1	53.7	7.9
506.505	VI	42.6[w]	18.2[w]	11.7	3.0	26.1	52.0	7.2
506.513	VI	44.9	18.5	10.4	3.1	23.4	55.7	7.3
506.514	VI	44.2	18.3	10.4	2.6	20.0	57.9	9.2
506.531	VI	43.5[w]	18.3[w]	12.1	2.8	25.3	51.8	8.0
506.533	VI	43.2[w]	18.5[w]	11.8	3.1	22.3	54.6	8.1
506.534	VI	43.3[w]	16.1[w]	11.5	3.0	21.4	56.5	7.5
506.536	VI	42.4[w]	20.2[w]	11.2	2.8	21.6	57.3	7.2
506.537	VI	41.4[w]	19.6[w]	10.5	2.4	21.8	58.4	6.9
506.539	VI	42.1[w]	19.2[w]	12.5	3.1	23.5	53.7	7.2
506.540	VI	44.1[w]	18.6[w]	11.7	2.6	25.6	53.3	6.9
506.543	VI	42.9[w]	19.0[w]	11.3	2.8	25.5	53.2	7.2
506.544	VI	44.7[w]	18.7[w]	12.6	2.9	25.1	52.5	6.9
506.545	VI	43.2[w]	17.7[w]	12.4	2.6	25.4	52.6	7.0
506.546	VI	44.0[w]	16.6[w]	12.6	2.9	16.6	59.4	8.4
506.551	VI	42.6[w]	20.3[w]	11.5	2.6	21.4	58.5	6.1
506.554	VI	44.1[w]	17.5[w]	12.2	3.1	25.5	51.8	7.5
506.559	VI	42.6[w]	15.6[w]	10.4	3.2	37.0	44.2	5.2
506.561	VI	44.3[w]	18.7[w]	12.5	3.5	28.8	48.1	7.1
506.564	VI	44.2[w]	18.7[w]	11.3	3.1	26.3	53.6	5.6
506.566	VI	44.4[w]	17.2[w]	11.7	3.2	21.3	57.0	6.8
506.567	VI	43.9[w]	18.2[w]	12.5	3.1	23.8	52.6	8.0
506.568	VI	43.4[w]	17.6[w]	12.4	2.7	22.9	54.7	7.4
506.569	VI	43.9	19.6	10.7	3.6	26.2	53.1	6.4
506.571	VI	46.9[w]	16.3[w]	11.6	2.8	24.9	53.5	7.3
506.577	VI	44.5[w]	17.4[w]	12.0	3.3	19.3	57.0	8.3
506.578	VI	46.3	18.8	11.3	3.0	27.9	51.8	6.0
506.580	VI	47.1	16.4	11.4	3.5	26.8	51.0	7.3
506.584	VI	43.5[w]	18.0[w]	11.6	2.8	19.1	57.7	8.8
506.585A	VI	45.0	18.8	11.4	3.6	28.3	50.6	6.2
506.589	VI	44.9	19.6	12.0	3.2	23.7	55.0	6.2
506.604	VI	43.4[w]	18.2[w]	11.6	3.4	24.3	53.8	7.0
506.606	VI	45.3[w]	18.2[w]	10.5	2.5	23.6	57.1	6.3
506.611	VI	44.8[w]	14.7[w]	11.7	2.9	26.6	51.6	7.2
506.612	VI	43.2[w]	19.5[w]	11.1	2.3	25.2	54.0	7.4
506.613	VI	43.8[w]	21.0[w]	11.8	2.1	24.3	54.0	7.7
506.614	VI	44.9[w]	15.6[w]	10.8	2.2	20.6	58.1	8.2
506.615	VI	44.9[w]	18.0[w]	11.4	2.6	25.7	54.2	6.2
506.617	VI	44.0[w]	20.4[w]	10.9	2.5	22.7	56.9	6.9
506.619	VI	45.7[w]	19.2[w]	11.6	2.6	27.8	51.2	6.7
506.621	VI	44.9	19.0	12.1	2.6	17.9	60.4	7.0
506.622	VI	44.8[w]	17.3[w]	11.1	3.3	17.8	60.3	7.5

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
506.624	VI	47.7	17.1	12.2	2.9	17.8	60.5	6.6
506.628	VI	43.2	18.8	11.3	3.1	20.9	56.8	7.9
506.640	VI	45.7	18.3	11.5	3.6	20.2	57.9	6.7
506.643	VI	44.1	19.2	12.2	3.5	21.0	56.4	7.0
506.644	VI	45.2	18.4	11.9	3.2	25.8	52.5	6.6
506.648	VI	46.4	16.1	10.9	3.2	26.0	52.7	7.2
506.649	VI	46.1[w]	16.8[w]	10.8	3.3	22.9	56.9	6.1
506.650	VI	43.8[w]	16.9[w]	11.0	3.4	24.1	55.0	6.5
506.653	VI	47.4	15.9	10.1	3.3	26.2	53.3	7.2
506.656	VI	44.1	18.0	10.7	3.0	21.7	56.0	8.6
506.664	VI	46.7	17.2	11.9	2.8	23.3	54.6	7.3
506.667	VI	44.3	19.4	11.4	3.6	24.7	53.0	7.4
506.670	VI	42.0[w]	19.0[w]	14.8	2.8	26.4	49.5	6.5
506.675	VI	44.0	20.0	11.3	3.4	23.2	55.5	6.6
506.687	VI	43.8	19.5	11.0	3.6	24.4	53.3	7.7
506.689	VI	47.0	18.0	11.0	3.3	24.9	54.2	6.7
506.691	VI	45.1	17.4	11.9	2.7	20.0	56.6	8.7
506.695	VI	44.4	18.6	11.8	2.5	19.7	58.9	7.1
506.702	VI	44.8	19.0	11.6	2.8	26.5	52.6	6.5
506.704	VI	44.3	19.2	11.7	3.0	24.3	53.3	7.7
506.706	VI	43.7	20.3	12.0	2.8	21.7	56.5	7.1
506.708	VI	46.2	17.8	13.5	3.3	22.8	53.4	7.1
506.712	VI	44.8	19.4	10.6	3.5	29.1	50.7	6.0
506.714	VI	43.2	20.5	11.8	2.6	22.7	55.2	7.6
506.719	VI	46.3	16.7	11.6	3.6	26.5	52.1	6.2
506.725	VI	43.8[w]	19.2[w]	13.3	2.6	23.0	54.6	6.6
506.736	VI	43.1	18.7	10.9	2.9	24.5	54.1	7.6
506.739	VI	40.1[w]	19.1[w]	11.8	2.8	23.0	55.0	7.4
506.740	VI	46.5	17.4	11.7	3.2	21.7	55.6	7.7
506.741	VI	44.0	17.9	12.6	2.8	20.1	57.1	7.4
506.742	VI	43.4	20.0	11.6	3.4	23.9	54.8	6.3
506.743	VI	43.4	18.6	10.8	2.5	31.8	48.4	6.5
506.747	VI	42.2[w]	18.7[w]	11.3	3.7	28.1	49.9	7.0
506.748	VI	44.9[w]	15.1[w]	10.9	2.9	27.1	51.9	7.2
506.750	VI	44.7[w]	19.4[w]	11.5	2.5	24.8	55.2	6.0
506.753	VI	42.4[w]	18.6[w]	12.3	2.2	20.1	57.5	7.9
506.754	VI	43.3	17.8	10.4	2.9	34.0	46.3	6.3
506.761	VI	41.3	19.3	11.9	2.6	18.4	57.5	9.6
506.763	VI	43.2	18.4	11.8	2.5	19.5	57.6	8.5
506.768	VI	44.6	18.5	11.5	3.3	23.9	54.2	7.0
506.772	VI	44.9	18.1	11.5	2.7	26.9	50.9	7.9
506.773	VI	46.2	17.0	11.2	2.9	30.7	48.3	6.9
506.775	VI	43.7	18.8	11.1	3.1	23.0	55.3	7.5
506.776	VI	44.1	18.8	11.0	3.1	25.7	51.5	8.7
506.777	VI	43.1	18.6	11.4	2.7	24.0	54.5	7.4
506.778	VI	45.4[w]	17.2[w]	10.6	2.7	23.1	56.2	7.4
506.786	VI	44.7	19.9	11.7	2.9	25.5	53.9	6.0
506.792	VI	40.3[w]	20.9[w]	11.8	2.3	23.5	55.4	7.0
506.793	VII	45.3[w]	16.4[w]	12.3	2.7	25.3	51.9	7.8
506.795	VI	42.6[w]	19.4[w]	11.1	2.3	31.0	49.8	5.9
506.796	VI	44.1	19.9	11.7	2.8	24.5	54.6	6.5
506.798	VI	41.7[w]	19.0[w]	11.1	3.0	26.8	52.4	6.8
506.802	VI	42.9[w]	20.2[w]	12.9	2.9	23.9	53.5	6.7
506.822	VI	42.4	19.1	11.3	2.5	21.6	56.4	8.2
506.828	VI	43.4	20.5	10.7	3.5	30.0	49.9	6.0
506.871	VI	43.5	18.4	10.5	2.9	27.5	51.7	3.4

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
506.878	VI	43.2	18.7	10.7	2.7	36.6	44.2	5.7
506.884	VI	42.9[w]	18.2[w]	12.2	2.5	25.7	52.2	7.3
506.885	VI	41.1[w]	16.3[w]	9.9	2.7	39.6	42.6	5.2
506.886	VI	44.1[w]	18.0[w]	11.7	2.5	35.8	44.3	5.8
506.888	VI	42.8	19.3	11.0	2.6	24.0	54.3	8.0
506.902	VI	44.2	19.4	10.6	2.7	28.8	51.4	6.5
506.904	VI	43.4	18.9	11.0	3.0	20.2	58.1	7.6
506.905	VI	44.2	17.7	10.7	2.3	24.6	53.7	8.8
506.907	VI	42.1	18.3	11.2	2.3	19.3	58.4	8.8
506.908	VI	42.2	19.3	11.4	2.8	23.8	55.6	6.5
506.910	VI	42.1	18.5	10.3	2.8	22.3	55.1	9.6
506.921	VI	42.9	18.8	11.2	2.8	24.9	53.4	7.8
506.922	VI	43.6	19.8	11.1	2.7	19.7	59.3	7.2
506.926	VI	43.0	19.4	11.4	3.2	28.7	49.7	6.9
506.939	VI	47.0	16.5	12.2	3.4	21.7	54.7	8.0
506.946	VI	46.5	17.1	11.8	2.7	17.4	59.9	8.2
506.948	VI	46.9[w]	16.4[w]	10.6	2.6	23.9	56.1	6.8
506.950	VI	44.9	18.6	12.8	2.7	25.0	51.8	7.7
506.952	VI	43.4[w]	18.5[w]	11.7	2.9	21.9	56.6	6.8
506.953	VI	43.1[w]	17.0[w]	12.0	2.4	20.1	57.4	8.1
506.955	VI	44.1[w]	19.6[w]	11.3	2.7	22.8	56.4	6.7
506.956	VI	44.5[w]	19.7[w]	11.7	2.7	22.9	56.1	6.6
506.962	VI	42.9[w]	20.1[w]	13.0	2.3	21.4	55.0	8.3
506.964	VI	43.8[w]	18.2[w]	11.9	2.7	22.4	56.5	6.6
506.965	VI	43.2[w]	20.0[w]	11.2	2.6	22.8	55.5	7.9
506.966	VI	46.0[w]	18.0[w]	11.1	3.0	23.7	54.2	8.0
506.967	VI	42.6[w]	18.7[w]	10.9	3.0	25.4	53.7	6.9
506.968	VI	43.4[w]	19.3[w]	11.0	3.1	25.5	53.3	7.1
506.970	VI	44.4[w]	19.5[w]	11.4	3.5	23.2	54.3	7.6
506.971	VI	42.7[w]	18.5[w]	10.8	3.1	27.8	51.7	6.7
506.972	VI	43.7[w]	19.7[w]	12.0	2.3	21.7	55.7	8.2
506.974	VI	43.8[w]	18.6[w]	12.0	2.6	21.6	56.5	7.3
506.976	VI	44.2[w]	20.3[w]	11.1	3.5	28.2	50.7	6.6
506.978	VI	44.8[w]	20.2[w]	11.2	2.4	22.9	57.1	6.5
506.979	VI	43.2[w]	20.4[w]	11.2	3.0	27.7	51.9	6.2
506.980	VI	43.7[w]	20.6[w]	11.5	3.0	23.7	54.8	7.1
506.984	VI	43.1[w]	18.7[w]	11.7	3.6	26.8	51.0	6.9
506.991	VI	44.4[w]	18.1[w]	11.3	2.9	25.6	53.3	6.8
506.996	VI	45.4[w]	18.6[w]	11.7	2.3	20.4	59.0	6.5
507.001	VI	43.6	20.1	11.6	2.7	22.0	56.5	7.3
507.003	VI	45.1	18.0	11.3	3.0	18.6	58.5	8.5
507.006	VI	45.3	17.3	10.9	2.7	22.6	56.2	7.6
507.007	VI	43.1	19.5	10.9	3.3	27.3	52.5	6.0
507.009	VI	44.4	19.2	11.5	2.8	20.6	58.2	6.9
507.011	VI	42.7	19.0	11.5	2.7	21.3	57.6	6.9
507.012	VI	46.3	17.5	12.3	2.5	19.2	58.8	7.2
507.030	VI	44.2	19.7	11.0	3.0	23.3	54.9	7.8
507.036	VI	42.5	20.8	12.1	2.5	19.8	58.1	7.4
507.037	VI	43.4	19.9	11.4	2.4	22.7	56.8	6.7
507.044	VI	45.0[w]	17.6[w]	10.2	2.4	22.8	56.6	7.9
507.049	VI	44.7	16.7	11.7	2.2	23.9	54.2	8.0
507.050	VI	41.7	20.1	11.4	3.1	23.0	55.9	6.7
507.057	VI	43.2	21.0	10.8	2.6	25.1	55.1	6.4
507.068	VI	44.6	19.3	11.5	3.2	22.5	55.8	6.9
507.069	VI	47.1	17.0	12.2	2.9	23.4	54.4	7.0
507.070	VI	46.2	17.2	12.4	2.8	22.2	55.3	7.4

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
507.074	VI	43.0[w]	18.7[w]	11.1	2.8	23.7	54.6	7.7
507.078	VI	42.1	20.2	10.8	2.4	20.1	58.2	8.5
507.084	VI	43.9	18.1	11.2	2.4	19.2	58.0	9.2
507.085	VI	44.9	18.1	11.2	2.8	20.8	57.1	8.0
507.088	VI	46.9	15.0	11.4	2.2	17.2	59.3	10.0
507.099	VI	43.9	19.0	11.5	2.5	21.4	57.0	7.6
507.103	VI	43.3	18.0	10.7	3.2	22.0	55.5	8.6
507.105	VI	42.1	18.3	10.7	3.2	20.5	56.7	8.9
507.109	VI	42.6	19.3	10.7	2.9	22.4	56.3	7.8
507.110	VI	43.8[w]	19.9[w]	10.6	2.2	23.5	56.8	6.9
507.111	VI	44.4[w]	18.9[w]	12.2	2.7	24.4	53.4	7.3
507.112	VI	43.3[w]	18.1[w]	11.2	2.7	24.3	54.5	7.2
507.113	VI	42.5[w]	18.7[w]	10.7	3.0	26.9	52.5	6.8
507.114	VI	42.2[w]	17.2[w]	11.7	2.6	27.1	51.7	7.0
507.116	VI	43.7[w]	19.4[w]	11.9	2.7	24.4	53.8	7.3
507.117A	VI	44.1[w]	18.7[w]	11.9	2.6	22.9	54.5	8.1
507.117B	VI	43.6[w]	19.1[w]	12.0	2.8	24.1	53.8	7.4
507.118	VI	43.4[w]	18.5[w]	10.8	2.3	19.5	59.3	8.0
507.119	VI	43.7	18.2	10.7	2.9	19.4	57.1	9.9
507.120	VI	43.6	19.8	11.3	3.1	23.6	54.9	7.0
507.122	VI	43.5	19.5	11.2	3.3	25.3	53.7	6.5
507.136	VI	44.4	19.1	12.1	3.4	24.8	53.0	6.7
507.140	VI	44.0[w]	17.2[w]	10.9	3.0	17.0	61.2	7.8
507.142	VI	44.1	19.2	10.6	3.6	22.7	55.3	7.9
507.143	VI	43.9[w]	18.5[w]	10.8	2.3	21.4	57.5	7.9
507.187	VI	43.2	20.7	11.1	2.9	27.7	51.2	7.1
507.192	VI	44.2	20.0	10.4	2.7	28.5	52.8	5.7
507.205	VI	44.8	18.2	11.0	3.4	28.0	51.3	6.3
507.206	VI	43.6[w]	18.4[w]	12.6	2.7	25.4	51.6	7.7
507.208	VI	42.2[w]	19.3[w]	12.3	2.5	24.0	54.2	7.1
507.210	VI	43.1	20.8	10.4	2.8	27.4	53.4	5.9
507.211	VI	43.6	19.8	11.0	2.8	23.0	55.6	7.5
507.214	VI	43.1	19.9	11.3	2.6	22.7	55.9	7.4
507.215	VI	45.2	18.3	11.2	3.3	27.1	51.8	6.6
507.216A	VI	44.2	18.9	11.1	3.2	28.7	50.2	6.9
507.216B	VI	45.1	17.9	11.2	3.2	24.0	54.2	7.3
507.219	VI	44.1	17.8	11.3	3.1	21.4	55.5	8.6
507.223	VI	43.2	18.2	10.6	2.8	36.8	43.8	5.9
507.224	VI	43.6	17.6	10.6	2.8	36.8	44.0	5.8
507.225	VI	44.0	17.8	10.8	3.0	35.1	45.1	6.0
507.228	VI	41.8[w]	18.6[w]	10.9	3.0	21.1	57.0	7.9
507.231	VI	42.4	20.3	10.8	2.5	30.2	49.6	6.8
507.236	VI	43.5	19.8	11.7	3.3	27.9	50.8	6.3
507.247	VI	45.5	18.3	11.4	2.6	23.5	55.5	7.0
507.250	VI	43.3	18.5	11.1	2.4	20.2	57.5	8.8
507.251	VI	44.1	20.2	11.9	2.9	28.8	50.4	6.0
507.254	VI	43.7	18.8	12.2	2.8	17.8	58.4	8.7
507.257	VI	45.2	18.0	11.0	3.1	20.5	57.3	8.1
507.262	VI	44.1	18.2	11.0	3.6	24.3	53.7	7.4
507.264	VI	48.7[w]	15.2[w]	12.0	2.7	21.9	56.0	7.3
507.276	VI	44.6	18.5	11.4	3.3	18.9	58.4	8.1
507.278	VI	46.4	18.5	11.7	2.9	20.1	58.3	6.9
507.289	VI	42.6	18.8	11.5	3.0	24.6	52.8	8.1
507.292	VI	41.8	18.9	12.0	2.6	22.7	54.1	8.6
507.298	VI	44.0[w]	16.7[w]	10.5	2.6	28.2	51.1	7.7
507.299	VI	44.4	18.0	11.7	3.1	27.1	50.8	7.3

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition Protein (%)	Seed composition Oil (%)	Oil composition Palmitic (%)	Oil composition Stearic (%)	Oil composition Oleic (%)	Oil composition Linoleic (%)	Oil composition Linolenic (%)
507.300	VI	44.0	18.7	11.8	2.7	19.7	57.9	8.0
507.302	VI	45.0	17.8	12.5	3.3	21.1	56.2	6.8
507.310	VI	43.8	20.4	10.6	2.8	26.3	53.9	6.4
507.322	VI	44.7	17.1	11.6	2.9	22.9	55.3	7.3
507.326	VI	44.0	19.4	11.4	2.5	20.4	58.0	7.7
507.327	VI	40.8	20.8	10.6	2.6	25.2	54.5	7.1
507.329	VII	43.6	17.8	11.4	3.1	22.3	55.6	7.5
507.335	VI	45.3	17.7	11.2	3.2	31.4	47.3	6.9
507.337	VI	40.9[w]	17.1[w]	11.0	3.2	26.7	52.1	7.0
507.338	VI	45.2	17.3	10.0	2.8	23.6	54.5	9.1
507.340	VI	48.3	17.2	10.8	2.8	22.5	56.0	7.9
507.342	VI	43.3	20.1	11.3	3.0	31.2	48.2	6.3
507.343	VI	43.2	18.6	12.5	3.0	23.9	52.8	7.9
507.346	VI	43.7	19.0	10.3	3.0	25.3	54.3	7.1
507.356	VI	42.1	19.1	11.2	2.4	19.9	58.0	8.5
507.357	VI	43.2	19.7	11.1	3.1	25.3	53.8	6.7
507.358	VI	45.2	18.6	11.1	3.5	26.2	52.9	6.2
507.360	VI	44.4	18.5	11.3	2.9	29.1	50.2	6.6
507.377	VI	43.7	19.8	11.8	3.0	25.6	52.8	6.9
507.380	VI	43.2	19.2	11.7	2.5	19.8	56.4	9.6
507.381	VI	44.3	19.4	11.5	2.5	24.0	54.2	7.7
507.394	VI	43.1	18.8	10.7	2.8	22.1	56.8	7.6
507.414	VI	43.5	19.1	10.5	3.3	29.1	50.5	6.5
507.421	VI	43.9	19.5	10.7	3.0	25.5	54.4	6.4
507.422	VI	44.0	19.8	13.5	2.8	19.6	55.0	9.1
507.423	VI	45.4	18.9	13.6	2.8	19.9	54.3	9.4
507.428	VI	42.7	20.3	11.3	2.5	24.3	55.6	6.4
507.444	VI	43.9	18.4	12.6	2.8	22.8	53.6	8.2
507.451	VI	44.7	18.3	12.3	2.9	24.8	52.8	7.3
507.452	VI	43.4	19.5	11.9	3.6	30.9	47.1	6.6
507.457	VI	42.5[w]	19.3[w]	11.9	2.4	25.5	52.8	7.4
507.459	VI	41.2	20.7	11.6	2.4	20.0	57.8	8.1
507.470	VI	42.7	19.5	12.0	2.6	19.7	57.4	8.3
507.476	VI	40.7	19.2	11.6	3.1	15.4	59.6	10.3
507.478	VI	42.6	18.5	11.9	2.4	19.6	56.7	9.2
507.479	VI	43.9	18.7	11.6	2.8	23.2	53.9	8.6
507.484	VI	44.3	20.2	10.6	2.7	22.1	57.6	7.0
507.488	VI	43.1	18.9	11.1	3.0	28.3	51.2	6.4
507.495	VI	42.6	20.1	10.9	3.1	24.9	53.4	7.7
507.496	VI	42.8	19.6	10.9	2.5	24.8	55.1	6.7
507.497	VI	43.9	19.9	11.7	2.9	26.0	52.7	6.7
507.499	VI	42.9	21.0	10.4	3.0	27.7	52.5	6.4
507.503	VI	45.6[w]	16.7[w]	11.5	3.4	28.1	50.8	6.3
507.504	VI	43.2[w]	18.2[w]	12.4	2.8	30.0	47.3	7.5
507.505	VI	45.7[w]	17.5[w]	10.9	2.7	25.2	54.5	6.7
507.506	VI	44.7[w]	18.5[w]	11.7	2.4	26.3	52.6	7.0
507.507	VI	44.0[w]	18.6[w]	12.2	2.6	26.9	51.4	6.9
507.508	VI	45.4[w]	16.9[w]	11.1	2.7	24.2	54.7	7.3
507.511	VI	43.0[w]	18.2[w]	10.8	2.6	20.4	58.3	7.8
507.512	VI	43.1[w]	18.8[w]	11.1	2.9	23.0	55.6	7.4
507.514	VI	43.6	18.8	11.3	2.7	27.2	51.1	7.7
507.533	VI	42.7[w]	17.9[w]	11.2	2.5	23.1	55.6	7.5
507.536	VI	41.2[w]	18.1[w]	11.2	2.5	22.6	56.0	7.6
507.557	VI	43.5	19.8	13.0	2.8	20.9	56.5	6.8
507.558	VI	42.2[w]	18.7[w]	12.3	2.7	25.9	51.8	7.2
507.559	VI	44.2[w]	17.2[w]	10.3	2.7	20.0	59.7	7.3

Table 4.1. Seed composition data for USDA soybean germplasm in maturity group VI, FC 03.659 to PI 520.732, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
507.577	VI	42.7	20.6	10.7	3.0	25.6	54.1	6.5
507.579	VI	44.1[w]	16.7[w]	11.6	2.9	21.1	57.2	7.2
509.077	VI	47.4[w]	15.7[w]	11.1	3.8	19.1	57.2	8.9
509.084	VI	48.2[w]	17.4[w]	11.2	2.7	25.0	54.3	6.8
509.086	VI	41.6[w]	19.4[w]	10.9	2.7	27.3	51.8	7.3
509.090	VI	45.9[w]	16.1[w]	11.7	3.2	23.0	54.5	7.6
509.093	VI	43.7[w]	19.2[w]	12.1	2.5	32.9	45.6	6.9
509.094	VI	44.9[w]	17.9[w]	11.5	2.8	18.6	58.5	8.7
509.102	VI	43.2[w]	19.0[w]	11.0	2.8	24.5	54.1	7.6
509.104	VI	43.1[w]	17.2[w]	11.2	4.0	24.2	53.8	6.8
509.108	VI	42.9[w]	19.7[w]	11.8	3.8	21.7	55.5	7.2
518.296	VI	42.6	20.7	11.4	2.7	19.1	59.3	7.5
518.297	VI	45.8	16.7	12.1	2.9	19.3	57.4	8.3
518.726	VI	46.2	16.3	12.2	2.9	25.6	51.0	8.3
518.727	VI	46.5	17.3	13.1	2.8	26.5	50.7	6.9
520.732	VI	44.9[w]	19.3[w]	11.0	3.0	27.7	51.7	6.7

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
	Acadian	Louisiana	United States	United States	1943	VIII
	Arisoy	Saitama	Japan	Japan	by 1943	VIII
	Avoyelles	Louisiana	United States	United States	1931	VIII
	Barchet	Zhejiang	China	United States	1910	VIII
	Bienville	Louisiana	United States	United States	1958	VIII
	Biloxi	Zhejiang	China	United States	1918	VIII
	Bossier	Louisiana	United States	United States	1964	VIII
	Bragg	Florida	United States	United States	1963	VII
	Braxton	Florida	United States	United States	1979	VII
	Brim	North Carolina	United States	United States	1990	VI
	Buckshot 723	Louisiana	United States	United States	1990	VII
	Charlee	Jiangsu	China	United States	1939	VII
	Cherokee	Zhejiang	China	United States	by 1944	VIII
	Clemson	Jiangsu	China	United States	1939	VII
	CNS	Jiangsu	China	United States	1943	VII
	Cobb	Florida	United States	United States	1973	VIII
	Colquitt	Georgia	United States	United States	1989	VII
	Cook	Georgia	United States	United States	1991	VIII
	Creole	Jiangsu	China	United States	1936	VII
	Crockett	Texas	United States	United States	1983	VIII
	Delsta		Unknown	United States	1924	VIII
	Dortchsoy 31	Arkansas	United States	United States	by 1948	VII
	Dowling	Texas	United States	United States	1978	VIII
	Duocrop	Georgia	United States	United States	1981	VII
	Foster	Florida	United States	United States	1981	VIII
	Gasoy 17	Georgia	United States	United States	1977	VII
	Gatan	Georgia	United States	United States	1943	VII
	Georgian	Jiangsu	China	United States	1936	VII
	Gordon	Georgia	United States	United States	1994	VII
	Govan	Mississippi	United States	United States	1977	VII
	Gregg	Louisiana	United States	United States	1983	VII
	Hagood	South Carolina	United States	United States	1990	VII
	Hardee	Florida	United States	United States	1962	VIII
	Haskell	Georgia	United States	United States	1993	VII
	Howard	Florida	United States	United States	1990	VII
	Hutton	Florida	United States	United States	1972	VIII
	Improved Pelican	Louisiana	United States	United States	1950	VIII
	J.E.W. 45	South Carolina	United States	United States	1945	VIII
	Jackson	North Carolina	United States	United States	1953	VII
	Johnston	North Carolina	United States	United States	1983	VIII
	Kirby	Florida	United States	United States	1983	VIII
	Lee 74	Arkansas	United States	United States	1974	VI
	Louisiana Green	Louisiana	United States	United States	by 1946	VIII
	Majos	South Carolina	United States	United States	by 1949	VIII
	Mamloxi	Mississippi	United States	United States	1922	VIII
	Mammoth Yellow	Unknown	Japan	United States	by 1895	VII
	Mamotan 6640	Mississippi	United States	United States	1929	VIII
	Maxcy	South Carolina	United States	United States	1992	VIII
	Missoy	Jiangsu	China	United States	1939	VII
	Monetta	Jiangsu	China	United States	1936	VII
	Nela	Louisiana	United States	United States	1945	VIII
	Otootan	Unknown	Taiwan	United States	by 1918	VIII
	Padre	Texas	United States	United States	1988	VII
	Palmetto	Jiangsu	China	United States	1936	VII
	Perrin	South Carolina	United States	United States	1988	VIII
	Pluto	Anhui	China	United States	by 1948	VII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
	Pocahontas	Virginia	United States	United States	by 1950	VII
	Ransom	North Carolina	United States	United States	1970	VII
	Roanoke	Jiangsu	China	United States	1946	VII
	Seminole	Zhejiang	China	United States	by 1943	VIII
	Semmes	Mississippi	United States	United States	1965	VII
	Stonewall	Alabama	United States	United States	1988	VII
	Tanner	Arkansas	United States	United States	1939	VII
	Tarheel Black	Shanghai	China	United States	1910	VII
	Tennessee Non Pop	Tennessee	United States	United States	1942	VII
	Thomas	Georgia	United States	United States	1988	VII
	Tokyo	Kanagawa	Japan	United States	1907	VII
	Volstate	Tennessee	United States	United States	1942	VII
	White Biloxi	Zhejiang	China	United States	by 1939	VIII
	Woods Yellow	Virginia	United States	United States	1934	VII
	Wright	Georgia	United States	United States	1979	VII
	Yelnanda	South Carolina	United States	United States	by 1948	VIII
	Yelredo	South Carolina	United States	United States	1929	VIII
FC 30.267			Unknown	United States	1938	VII
FC 30.282			Unknown	United States	1938	VII
FC 30.967			Unknown	United States	1940	VII
FC 31.416	Non-Pop Clemson No. 2		Unknown	United States	1943	VII
FC 31.592	Giant Speckled	Unknown	Indonesia	United States	1944	VIII
FC 31.622			Unknown	United States	1944	VII
FC 31.649			Unknown	United States	1944	VII
FC 31.676			Unknown	United States	1945	VII
FC 31.677			Unknown	United States	1945	VII
FC 31.689			Unknown	United States	1946	VII
FC 31.707			Unknown	United States	1947	VII
FC 31.732			Unknown	United States	1947	VII
FC 31.737			Unknown	United States	1948	VII
FC 31.744			Unknown	United States	1948	VII
FC 31.750			Unknown	United States	1948	VII
FC 31.919	Santa Maria	Unknown	Venezuela	United States	1948	VIII
FC 31.921			Unknown	United States	1948	VII
FC 31.927			Unknown	United States	1948	VII
FC 33.123			Unknown	United States	1950	VII
71.558		Jiangsu	China	China	1927	VII
71.564		Jiangsu	China	China	1927	VII
71.570		Jiangsu	China	China	1927	VII
79.861		Northeast China	China	China	1929	VII
84.642	S-67	Kyonggi	South Korea	South Korea	1929	VII
84.967	Shariin	Kobe	Japan	Japan	1929	VII
85.416	Y-127	Kyonggi	South Korea	South Korea	1929	VII
85.897	Koshoku akidaizu	Unknown	Japan	Japan	1930	VIII
87.565	Antashu	Pyongan Nam	North Korea	North Korea	1930	VII
89.469			Unknown	Unknown	1930	VII
95.960		Kangwon	South Korea	South Korea	1932	VII
97.094		Hwanghae Puk	North Korea	North Korea	1932	VII
97.100		Hwanghae Puk	North Korea	North Korea	1932	VII
123.439		Unknown	Myanmar	Myanmar	1937	VII
133.226	Kedelee No. 367	Java	Indonesia	Indonesia	1939	VIII
145.079	Hernon No. 6	Mashonaland South	Zimbabwe	Zimbabwe	1942	VII
148.259	Java 29	Unknown	Indonesia	Indonesia	1944	VIII
153.681	Cibao	Unknown	El Salvador	El Salvador	1946	VII
153.682	Trinitaria	Unknown	El Salvador	El Salvador	1946	VII
159.093	34S 51	Transvaal	South Africa	South Africa	1947	VII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
159.094	35S 377	Transvaal	South Africa	South Africa	1947	VII
159.095	41S 31	Transvaal	South Africa	South Africa	1947	VII
159.096	41S 77	Transvaal	South Africa	South Africa	1947	VII
159.097	Geduld	Transvaal	South Africa	South Africa	1947	VII
159.922	Amarilla	Lima	Peru	Peru	1947	VIII
159.924	Honduras	Lima	Peru	Peru	1947	VIII
159.925		Lima	Peru	Peru	1947	VIII
159.926	Sao Paulo	Lima	Peru	Peru	1947	VIII
159.927	Tumbes	Lima	Peru	Peru	1947	VIII
164.885		Escuintla	Guatemala	Guatemala	1948	VIII
165.563		Uttar Pradesh	India	India	1948	VII
165.578		Uttar Pradesh	India	India	1948	VII
165.583		Uttar Pradesh	India	India	1948	VII
165.671	Great White	Jiangsu	China	China	1948	VII
165.674	Liuchow B	Jiangsu	China	China	1948	VIII
165.675	Nanking 332	Jiangsu	China	China	1948	VII
165.676	Perfume	Jiangsu	China	China	1948	VIII
165.896		Uttar Pradesh	India	India	1948	VII
165.914		Uttar Pradesh	India	India	1948	VII
165.926		Uttar Pradesh	India	India	1948	VII
165.929		Uttar Pradesh	India	India	1948	VII
165.943		Uttar Pradesh	India	India	1948	VII
165.947		Uttar Pradesh	India	India	1948	VII
165.989		Uttar Pradesh	India	India	1948	VII
166.028		Uttar Pradesh	India	India	1948	VII
166.032		Uttar Pradesh	India	India	1948	VII
166.048		Uttar Pradesh	India	India	1948	VII
166.105		Uttar Pradesh	India	India	1948	VII
166.140		Bagmati	Nepal	Nepal	1948	VII
166.141		Bagmati	Nepal	Nepal	1948	VIII
171.438		Sichuan	China	China	1948	VII
171.445	Nanksoy 332	Jiangsu	China	China	1948	VII
171.446	Nanking 373	Jiangsu	China	China	1948	VII
171.451	Kosamame	Kanagawa	Japan	Japan	1948	VII
174.853		Unknown	Nepal	Nepal	1949	VII
174.854		Unknown	Nepal	Nepal	1949	VIII
174.855		Unknown	Nepal	Nepal	1949	VII
174.856		Uttar Pradesh	India	India	1949	VII
174.857		Uttar Pradesh	India	India	1949	VII
174.858		Uttar Pradesh	India	India	1949	VII
174.859		Uttar Pradesh	India	India	1949	VIII
174.860		Uttar Pradesh	India	India	1949	VIII
174.861		Uttar Pradesh	India	India	1949	VIII
174.866		Uttar Pradesh	India	India	1949	VII
174.867		Uttar Pradesh	India	India	1949	VIII
174.868		Uttar Pradesh	India	India	1949	VII
175.175		Uttar Pradesh	India	India	1949	VIII
175.176		Uttar Pradesh	India	India	1949	VIII
175.177		Unknown	Nepal	Nepal	1949	VIII
175.178		Unknown	Nepal	Nepal	1949	VIII
175.179		Uttar Pradesh	India	India	1949	VIII
175.180		Uttar Pradesh	India	India	1949	VII
175.181		Uttar Pradesh	India	India	1949	VII
175.182		Uttar Pradesh	India	India	1949	VII
175.183		Uttar Pradesh	India	India	1949	VII
175.184		Uttar Pradesh	India	India	1949	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
175.185		Uttar Pradesh	India	India	1949	VII
175.186		Uttar Pradesh	India	India	1949	VII
175.188		Uttar Pradesh	India	India	1949	VII
175.190		Uttar Pradesh	India	India	1949	VIII
175.191		Uttar Pradesh	India	India	1949	VII
175.197		Uttar Pradesh	India	India	1949	VII
179.935		Punjab	India	India	1949	VII
180.051		West Bengal	India	India	1949	VII
180.445		Punjab	India	India	1949	VII
181.560		Unknown	Japan	Japan	1949	VII
181.564		Unknown	Japan	Japan	1949	VIII
181.565		Unknown	Japan	Japan	1949	VII
181.566		Unknown	Japan	Japan	1949	VII
181.567		Unknown	Japan	Japan	1949	VIII
181.568		Unknown	Japan	Japan	1949	VII
181.569		Unknown	Japan	Japan	1949	VII
181.696		Wanica	Suriname	Suriname	1949	VIII
181.697		Wanica	Suriname	Suriname	1949	VIII
181.698		Wanica	Suriname	Suriname	1949	VIII
183.900		Kuala Lumpur	Malaysia	Malaysia	1949	VIII
183.929		Assam	India	India	1949	VII
183.930		Unknown	India	India	1949	VII
187.154	Tambagura	Unknown	Japan	Japan	1950	VII
189.402		Peten	Guatemala	Guatemala	1950	VIII
192.867	Ringgit	West Java	Indonesia	Indonesia	1950	VII
192.868	Sumbing	West Java	Indonesia	Indonesia	1950	VIII
192.869		West Java	Indonesia	Indonesia	1950	VII
192.870		West Java	Indonesia	Indonesia	1950	VII
192.871		West Java	Indonesia	Indonesia	1950	VII
192.872		West Java	Indonesia	Indonesia	1950	VII
192.873		West Java	Indonesia	Indonesia	1950	VII
192.874		West Java	Indonesia	Indonesia	1950	VII
194.773		Nagaland	India	India	1951	VIII
197.182	C1 Raub 16.1442	Kuala Lumpur	Malaysia	Malaysia	1951	VIII
198.078	Punjab 1	Punjab	India	India	1951	VII
200.445	Aka nida	Shikoku	Japan	Japan	1952	VIII
200.448	Aki daizu 1	Shikoku	Japan	Japan	1952	VII
200.451	Amakusa daizu	Shikoku	Japan	Japan	1952	VIII
200.452	Amakusan nou 2	Shikoku	Japan	Japan	1952	VIII
200.454	Aokimame	Shikoku	Japan	Japan	1952	VII
200.455	Aso 1	Shikoku	Japan	Japan	1952	VIII
200.456	Awashima zairai	Shikoku	Japan	Japan	1952	VIII
200.459	Chiya sengoku	Shikoku	Japan	Japan	1952	VIII
200.462	Daizu 1	Shikoku	Japan	Japan	1952	VII
200.464	Daizu uchida	Shikoku	Japan	Japan	1952	VII
200.465	Fusanari daizu	Shikoku	Japan	Japan	1952	VIII
200.466	Gaku bun	Shikoku	Japan	Japan	1952	VII
200.469	Hanashirazu	Shikoku	Japan	Japan	1952	VII
200.474	Hikage daizu	Shikoku	Japan	Japan	1952	VIII
200.475	Hiroshima kuro daizu	Shikoku	Japan	Japan	1952	VII
200.476	Hito yoshi	Shikoku	Japan	Japan	1952	VII
200.477	Hondo daizu	Shikoku	Japan	Japan	1952	VII
200.484	Kawara	Shikoku	Japan	Japan	1952	VIII
200.486	Kikouchi nou 1	Shikoku	Japan	Japan	1952	VIII
200.487	Kinoshita	Shikoku	Japan	Japan	1952	VIII
200.488	Kiro aki daizu	Shikoku	Japan	Japan	1952	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
200.491	Kochi aki daizu	Shikoku	Japan	Japan	1952	VII
200.492	Komata	Shikoku	Japan	Japan	1952	VII
200.493	Kuma zairai	Shikoku	Japan	Japan	1952	VII
200.494	Kumazi 1	Shikoku	Japan	Japan	1952	VIII
200.498	Manchuria Native	Unknown	China	Japan	1952	VII
200.500	Mejiro	Shikoku	Japan	Japan	1952	VII
200.506	Nakate 2	Shikoku	Japan	Japan	1952	VII
200.507	Natsu daizu 1	Shikoku	Japan	Japan	1952	VIII
200.509	Nishimura daizu	Shikoku	Japan	Japan	1952	VIII
200.515	Oku kuro daizu	Shikoku	Japan	Japan	1952	VIII
200.516	Okute	Shikoku	Japan	Japan	1952	VIII
200.521	Oura	Shikoku	Japan	Japan	1952	IX
200.523	San goku	Shikoku	Japan	Japan	1952	VIII
200.524	Shimo baba	Shikoku	Japan	Japan	1952	VIII
200.525	Shimotsu ura	Shikoku	Japan	Japan	1952	VIII
200.526	Shira nuhi	Shikoku	Japan	Japan	1952	VIII
200.527	Shiro daihachirin	Shikoku	Japan	Japan	1952	VII
200.528	Shiro daizu	Shikoku	Japan	Japan	1952	VIII
200.529	Shiro daizu 1	Shikoku	Japan	Japan	1952	VII
200.530	Shiro daizu 3	Shikoku	Japan	Japan	1952	VII
200.531	Shiro daizu	Shikoku	Japan	Japan	1952	VIII
200.532	Shiro hanasaki 1	Shikoku	Japan	Japan	1952	VIII
200.538	Sugao zairai	Shikoku	Japan	Japan	1952	VIII
200.539	Suzanari	Shikoku	Japan	Japan	1952	VII
200.542	Tamana	Shikoku	Japan	Japan	1952	VII
200.543	Tamanishiki	Shikoku	Japan	Japan	1952	VII
200.544	Tanba kuro	Shikoku	Japan	Japan	1952	VII
200.547	Waka shima	Shikoku	Japan	Japan	1952	VIII
200.549	Yashiro zairai 1	Shikoku	Japan	Japan	1952	VIII
200.550	Yashiro zairai 2	Shikoku	Japan	Japan	1952	VIII
200.551	Yonekadake	Shikoku	Japan	Japan	1952	VIII
200.832		Kachin	Myanmar	Myanmar	1952	VIII
201.423	Wu kung 509		Unknown	Australia	1952	VII
203.398	Abura	Sao Paulo	Brazil	Brazil	1952	VIII
203.399	Avare	Unknown	Japan	Brazil	1952	VIII
203.400	Branca do Rio Grande	Unknown	France	Brazil	1952	VIII
203.402	Morro Agudo	Unknown	Japan	Brazil	1952	VIII
203.403	Novo Granada	Unknown	Japan	Brazil	1952	VIII
203.404	Parana Precoce	Unknown	Japan	Brazil	1952	VII
203.405	Rio Grande	Unknown	France	Brazil	1952	VIII
203.406	455	Unknown	South Africa	Brazil	1952	VIII
204.331	Lawoe	Wanica	Suriname	Suriname	1952	VIII
204.332	Lawoe strain 2/51	Wanica	Suriname	Suriname	1952	VIII
204.333	Lawoe strain 3/51	Wanica	Suriname	Suriname	1952	VIII
204.334	Lawoe strain 6/51	Wanica	Suriname	Suriname	1952	VIII
204.335	Ringgit	Wanica	Suriname	Suriname	1952	VIII
204.336	Ringgit strain 8/50	Wanica	Suriname	Suriname	1952	VIII
204.337	Ringgit strain 25/50	Wanica	Suriname	Suriname	1952	VIII
204.338	Ringgit strain 19/51	Wanica	Suriname	Suriname	1952	VIII
204.339	Ringgit strain 23/51	Wanica	Suriname	Suriname	1952	VIII
204.340		Wanica	Suriname	Suriname	1952	VIII
205.083	Akasaya	Unknown	Japan	Israel	1952	VII
205.899	Laheng	Unknown	Thailand	Thailand	1953	VIII
205.903	Ma kam lung C	Unknown	Thailand	Thailand	1953	VIII
205.906	Ringgit No. 317	Unknown	Thailand	Thailand	1953	VIII
205.907	San patong tung farbut	Unknown	Thailand	Thailand	1953	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
205.908	Sri samrong	Unknown	Thailand	Thailand	1953	VIII
205.909	Sumbing No. 452	Unknown	Thailand	Thailand	1953	VIII
205.911	Tung tam	Unknown	Thailand	Thailand	1953	VIII
205.912	USA–ARD–A	Unknown	Thailand	Thailand	1953	VIII
205.913		Unknown	Thailand	Thailand	1953	VIII
205.914		Unknown	Thailand	Thailand	1953	VIII
205.915		Unknown	Thailand	Thailand	1953	VIII
206.258	Headgreen	Unknown	Philippines	Philippines	1953	VIII
208.203	Aksarben		Unknown	Colombia	1953	VIII
208.204	Java		Unknown	Colombia	1953	VIII
208.429		Bagmati	Nepal	Nepal	1953	VIII
208.430		Gandaki	Nepal	Nepal	1953	VIII
208.431		Gandaki	Nepal	Nepal	1953	VII
208.433		Bagmati	Nepal	Nepal	1953	VII
208.434		Bagmati	Nepal	Nepal	1953	VIII
208.435		Gandaki	Nepal	Nepal	1953	VIII
208.437		Gandaki	Nepal	Nepal	1953	VII
208.438		Gandaki	Nepal	Nepal	1953	VII
208.439		Gandaki	Nepal	Nepal	1953	VIII
208.782	Gin daizu	Hyogo	Japan	Japan	1953	VII
208.783	Kaikon mame	Hyogo	Japan	Japan	1953	VII
208.784	Kiyozi	Hyogo	Japan	Japan	1953	VIII
208.785	Kosa mame	Hyogo	Japan	Japan	1953	VII
208.788	Tookichi	Hyogo	Japan	Japan	1953	VII
208.789	Zyuninyoshi	Hyogo	Japan	Japan	1953	VII
209.340	Obatsurumame	Hokkaido	Japan	Japan	1953	VIII
209.577	(Obatsurumame)	Hokkaido	Japan	Japan	1953	VIII
209.578	(Obatsurumame)	Hokkaido	Japan	Japan	1953	VIII
209.833		Gandaki	Nepal	Nepal	1953	VIII
209.836		Gandaki	Nepal	Nepal	1953	VII
209.837		Gandaki	Nepal	Nepal	1953	VIII
210.178		Unknown	Taiwan	Taiwan	1953	VIII
210.348	Dr. Sanders Soja	Transvaal	South Africa	Mozambique	1953	VIII
210.349	Jubiltan 65	Maputo	Mozambique	Mozambique	1953	VIII
210.352	Mammoth Yellow	Maputo	Mozambique	Mozambique	1953	VII
210.353	Potchefstroom 184	Transvaal	South Africa	Mozambique	1953	VII
215.755	Soya Otootan Tm 83	Huanuco	Peru	Peru	1954	VIII
219.652		Unknown	Indonesia	Indonesia	1954	VII
219.653		Unknown	Indonesia	Indonesia	1954	VIII
219.654	Ringgit	Unknown	Indonesia	Indonesia	1954	VIII
219.655	Sumbing	Unknown	Indonesia	Indonesia	1954	VII
221.715	50S 80	Transvaal	South Africa	South Africa	1954	VII
221.716	50S 244	Transvaal	South Africa	South Africa	1954	VII
222.546	947–DCE–Sj–020–1	Unknown	Argentina	Argentina	1954	VII
222.547	951–DCE–Sj–074	Unknown	Argentina	Argentina	1954	VIII
222.548	951–DCE–Sj–076	Unknown	Argentina	Argentina	1954	VIII
222.550	951–DCE–Sj–096	Unknown	Argentina	Argentina	1954	VIII
224.268	Asomasari	Hyogo	Japan	Japan	1955	VIII
224.269	Chasengoku 9	Hyogo	Japan	Japan	1955	VII
224.270	Howgyoku	Hyogo	Japan	Japan	1955	VII
224.273	Ohita akidaizu 2	Hyogo	Japan	Japan	1955	VII
227.219	Kodane	Aichi	Japan	Japan	1955	VII
227.221	Iyo daizu	Kyoto	Japan	Japan	1955	VII
227.222	Ippon suzunari	Aichi	Japan	Japan	1955	VII
227.224	Ya hagi	Aichi	Japan	Japan	1955	VII
227.687	Miyako White	Okinawa	Japan	Japan	1955	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
228.056	Oita akidaizu	Kagawa	Japan	Japan	1955	VIII
228.065	Yamaguchi shiro 1	Unknown	Japan	Japan	1955	VII
229.321	Hai daizu	Kanto	Japan	Japan	1955	VII
229.358	Soden daizu	Kanto	Japan	Japan	1955	VII
230.970		Unknown	Japan	Japan	1956	VII
230.971		Unknown	Japan	Japan	1956	VIII
230.972		Unknown	Japan	Japan	1956	VIII
230.973		Unknown	Japan	Japan	1956	VII
230.975		Unknown	Japan	Japan	1956	VIII
230.977		Unknown	Japan	Japan	1956	VII
230.980		Unknown	Japan	Japan	1956	VII
230.981		Unknown	Japan	Japan	1956	VII
239.235	USD–ARD-A	Unknown	Thailand	Thailand	1956	VIII
239.237	Otootan No. 27	Unknown	Thailand	Thailand	1957	VIII
240.665	Black Manchurian	Unknown	Philippines	Philippines	1957	VIII
240.666	E.G. 1	Unknown	Philippines	Philippines	1957	VIII
240.671	Yellow Biloxi 37	Unknown	Philippines	Philippines	1957	VIII
240.672	Yellow Biloxi 12	Unknown	Philippines	Philippines	1957	VIII
241.424		Hokkaido	Japan	Japan	1957	VII
245.007	H.49	Transvaal	South Africa	South Africa	1958	VIII
245.008	Yellow Kellebe	Unknown	Uganda	Uganda	1958	VIII
247.678	Herman	Unknown	Zaire	Zaire	1958	VIII
247.679	Otootan	Unknown	Zaire	Zaire	1958	VIII
248.510	Hagi dani	Osaka	Japan	Japan	1958	VII
253.657		Unknown	China	Netherlands	1958	VIII
255.734	Punjab No. 1	Punjab	India	India	1959	VII
256.376	China Cluster	Delhi	India	India	1959	VII
259.538	Kedelee No. 16	Java	Indonesia	Brazil	1959	VIII
259.539	Kedelee No. 29	Java	Indonesia	Brazil	1959	VIII
259.540	Pero Yellow 380	Unknown	Nigeria	Brazil	1959	VIII
259.543		Java	Indonesia	Brazil	1959	VIII
262.180	Sangoku	Unknown	Japan	Taiwan	1959	VIII
263.044		Unknown	Guatemala	Guatemala	1960	VIII
265.491	133225	Lima	Peru	Colombia	1960	VIII
265.497	Acadian	Unknown	Colombia	Colombia	1960	VIII
265.498	T–2	Unknown	Zaire	Colombia	1960	VIII
274.506		Fujian	China	Taiwan	1961	VIII
274.507		Fujian	China	Taiwan	1961	VIII
279.081	Masterpiece	Unknown	South Africa	South Africa	1962	VII
279.088	Light Speckled		Unknown	Tanzania	1962	VIII
281.885		Unknown	Indonesia	Malaysia	1962	VII
281.888		Unknown	Indonesia	Malaysia	1962	VIII
281.889		Unknown	Indonesia	Malaysia	1962	VII
281.904		Unknown	Malaysia	Malaysia	1962	VIII
283.326		Unknown	Taiwan	Taiwan	1962	VIII
283.328	Sankuo	Unknown	Taiwan	Taiwan	1962	VIII
284.814		Unknown	Sudan	Australia	1962	VIII
284.873	Nakei 1	Chiba	Japan	Japan	1962	VIII
285.090	Aracatuba	Aragua	Venezuela	Venezuela	1962	IX
285.091	Bicolor do Calai	Aragua	Venezuela	Venezuela	1962	VIII
285.092	Blyvoor	Unknown	South Africa	Venezuela	1962	VII
285.093	Geduld	Unknown	Zambia	Venezuela	1962	VII
285.094	Larix D–79	Aragua	Venezuela	Venezuela	1962	VIII
285.095	Mogiaka	Aragua	Venezuela	Venezuela	1962	VIII
307.836		Madhya Pradesh	India	India	1965	VIII
307.881		Madhya Pradesh	India	India	1965	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
309.658	K–16	Unknown	Pakistan	Pakistan	1965	VIII
310.439	Mission	Unknown	Papua New Guinea	Phillipines	1966	VII
310.441	Red Branch	Unknown	Taiwan	Phillipines	1966	VII
315.701			Unknown	United States	1966	VII
319.526	Mantichin	Unknown	China	India	1967	VII
319.533	Nanking No. 417	Unknown	China	India	1967	VIII
322.689	Improved	Huambo	Angola	Angola	1967	VII
322.690	Bean No. 279	Huambo	Angola	Angola	1967	VII
323.275	Mirjanhat	Unknown	Myanmar	Pakistan	1967	VII
323.276	Mothi	Unknown	Pakistan	Pakistan	1967	VII
323.550		Uttar Pradesh	India	India	1967	VII
323.551		Uttar Pradesh	India	India	1967	VIII
323.552		Uttar Pradesh	India	India	1967	VII
323.553		Uttar Pradesh	India	India	1967	VIII
323.554		Uttar Pradesh	India	India	1967	VII
323.557		Uttar Pradesh	India	India	1967	VII
323.558		Uttar Pradesh	India	India	1967	VII
323.559		Uttar Pradesh	India	India	1967	VIII
323.560		Uttar Pradesh	India	India	1967	VII
323.561		Uttar Pradesh	India	India	1967	VIII
323.562		Uttar Pradesh	India	India	1967	VII
323.564		Uttar Pradesh	India	India	1967	VIII
323.565		Uttar Pradesh	India	India	1967	VII
323.567		Uttar Pradesh	India	India	1967	VIII
323.568		Uttar Pradesh	India	India	1967	VIII
323.569		Uttar Pradesh	India	India	1967	VII
323.570		Uttar Pradesh	India	India	1967	VII
323.572		Uttar Pradesh	India	India	1967	VII
323.573		Uttar Pradesh	India	India	1967	VII
323.574		Uttar Pradesh	India	India	1967	VII
323.575		Uttar Pradesh	India	India	1967	VIII
323.578		Uttar Pradesh	India	India	1967	VIII
323.579		Uttar Pradesh	India	India	1967	VIII
324.067	Hernon 237	Unknown	Zimbabwe	Zimbabwe	1967	VII
324.068	Hernon 273	Unknown	Zimbabwe	Zimbabwe	1967	VIII
324.189	Taichung E24	Taichung	Taiwan	Phillipines	1967	VII
324.190	Taichung E32	Taichung	Taiwan	Phillipines	1967	VII
326.578	K–5363	Unknown	China	Russia	1968	VIII
330.633	36S 58	Transvaal	South Africa	South Africa	1968	VII
330.634	50S 81	Transvaal	South Africa	South Africa	1968	VII
330.635	59S 136	Transvaal	South Africa	South Africa	1968	VII
331.793	Dia phyng	Unknown	Vietnam	Vietnam	1968	VIII
331.794		Unknown	Vietnam	Vietnam	1968	VII
331.795		Unknown	Vietnam	Vietnam	1968	VIII
341.252	Amerelo Giganti	Goias	Brazil	Brazil	1969	IX
346.298		Unknown	India	India	1969	VII
346.300		Unknown	India	India	1969	VII
346.302		Unknown	India	India	1969	VII
346.304		Unknown	India	India	1969	VIII
346.305		Unknown	India	India	1969	VII
374.154		Madhya Pradesh	India	India	1972	VIII
374.155		Madhya Pradesh	India	India	1972	VIII
374.156		Madhya Pradesh	India	India	1972	VIII
374.157		Madhya Pradesh	India	India	1972	VIII
374.158		Madhya Pradesh	India	India	1972	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
374.159		Madhya Pradesh	India	India	1972	VIII
374.160		Madhya Pradesh	India	India	1972	VIII
374.161		Madhya Pradesh	India	India	1972	VIII
374.162		Madhya Pradesh	India	India	1972	VIII
374.163		Madhya Pradesh	India	India	1972	VIII
374.164		Madhya Pradesh	India	India	1972	VIII
374.165		Madhya Pradesh	India	India	1972	VIII
374.166		Madhya Pradesh	India	India	1972	VIII
374.167		Madhya Pradesh	India	India	1972	VIII
374.168		Madhya Pradesh	India	India	1972	VIII
374.169		Madhya Pradesh	India	India	1972	VIII
374.171		Madhya Pradesh	India	India	1972	VIII
374.172		Madhya Pradesh	India	India	1972	VIII
374.173		Madhya Pradesh	India	India	1972	VIII
374.174		Madhya Pradesh	India	India	1972	VIII
374.175		Madhya Pradesh	India	India	1972	VIII
374.176		Madhya Pradesh	India	India	1972	VIII
374.177		Madhya Pradesh	India	India	1972	VIII
374.178		Madhya Pradesh	India	India	1972	VIII
374.179		Madhya Pradesh	India	India	1972	VIII
374.180		Madhya Pradesh	India	India	1972	VIII
374.181		Madhya Pradesh	India	India	1972	VIII
374.182		Madhya Pradesh	India	India	1972	VIII
374.183		Madhya Pradesh	India	India	1972	VIII
374.184		Madhya Pradesh	India	India	1972	VIII
374.186		Madhya Pradesh	India	India	1972	VIII
376.069	DR 09	Unknown	Cameroon	Cameroon	1972	VIII
376.070	E 73	Unknown	Cameroon	Cameroon	1972	VII
376.844	S.J. 2	Lampang	Thailand	Thailand	1972	VII
376.845	Wakashima	Unknown	Japan	Thailand	1972	VIII
377.573	Pai may drew	Unknown	China	Sierra Leone	1973	VII
377.578	S.J. 3	Lampang	Thailand	Thailand	1973	VII
379.619	TC 2	Unknown	Taiwan	Taiwan	1973	VII
379.623	Wakajima 173	Unknown	Japan	Taiwan	1973	VIII
381.657	3H55 F4/9/2	Unknown	Uganda	Uganda	1973	VIII
381.660	Bukalasa 4	Unknown	Uganda	Uganda	1973	VII
381.661	Bukalasa 6	Unknown	Uganda	Uganda	1973	VIII
381.672	Kawanda 7	Unknown	Uganda	Uganda	1973	VII
381.680	S7	Unknown	Uganda	Uganda	1973	VII
381.681	S21	Unknown	Uganda	Uganda	1973	VII
381.682	S25	Unknown	Uganda	Uganda	1973	VII
393.542		Shanghai	China	China	1975	VII
393.543		Pingtung	Taiwan	Taiwan	1975	VIII
393.544		Pingtung	Taiwan	Taiwan	1975	VIII
393.545		Pingtung	Taiwan	Taiwan	1975	VIII
393.546		Pingtung	Taiwan	Taiwan	1975	VIII
393.547		Pingtung	Taiwan	Taiwan	1975	VIII
393.548		Pingtung	Taiwan	Taiwan	1975	VIII
393.549		Pingtung	Taiwan	Taiwan	1975	VIII
393.550		Pingtung	Taiwan	Taiwan	1975	VIII
393.565		Lampang	Thailand	Thailand	1975	VIII
407.766		Guangdong	China	China	1976	VIII
407.769		Guangdong	China	China	1976	VIII
408.051		Cholla Nam	South Korea	South Korea	1976	VII
416.764	Akasaya	Hokuriku	Japan	Japan	1977	VIII
416.770	Akasaya daizu	Kanto	Japan	Japan	1977	VII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
416.775	Aki daizu	Kanto	Japan	Japan	1977	VII
416.806	Aso aogari (Kyushu 27)	Kyushu	Japan	Japan	1977	VIII
416.813	Bansei kuro daizu	Kanto	Japan	Japan	1977	VII
416.824	Chasaya (2)	Kanto	Japan	Japan	1977	VII
416.867	Fuji zairai	Kanto	Japan	Japan	1977	VII
416.881	Gin daizu	Shikoku	Japan	Japan	1977	VIII
416.883	Ginjiro	Kanto	Japan	Japan	1977	VII
416.886	Ginsui zairai	Kyushu	Japan	Japan	1977	VIII
416.893	Hachigatsu daizu	Shikoku	Japan	Japan	1977	VII
416.928	Hitashi mame (Shirokuro)	Kanto	Japan	Japan	1977	VII
416.935	Hoshino zairai	Kyushu	Japan	Japan	1977	VIII
416.947	Ichinomiya zairai 1	Chugoku	Japan	Japan	1977	VII
416.948	Ichinomiya zairai 2	Chugoku	Japan	Japan	1977	VII
416.949	Ichinomiya zairai 3	Chugoku	Japan	Japan	1977	VIII
416.980	Kamifusa zairai (B)	Chugoku	Japan	Japan	1977	VII
417.009	Karasumame (Naihou)	Okinawa	Japan	Japan	1977	VIII
417.013	Kawahara	Kyushu	Japan	Japan	1977	VIII
417.047	Koban mame (zairai)	Hokuriku	Japan	Japan	1977	VII
417.061	Kosa mame	Kanto	Japan	Japan	1977	VIII
417.063	Kotane	Hokuriku	Japan	Japan	1977	VII
417.112	Kyushu 12	Kyushu	Japan	Japan	1977	VII
417.113	Kyushu 14	Kyushu	Japan	Japan	1977	VII
417.115	Kyushu 16	Kyushu	Japan	Japan	1977	VII
417.116	Kyushu 19	Kyushu	Japan	Japan	1977	VII
417.117	Kyushu 21	Kyushu	Japan	Japan	1977	VIII
417.119	Kyushu 24	Kyushu	Japan	Japan	1977	VIII
417.120	Kyushu 25	Kyushu	Japan	Japan	1977	VIII
417.122	Kyushu 28	Kyushu	Japan	Japan	1977	VII
417.123	Kyushu 29	Kyushu	Japan	Japan	1977	VIII
417.124	Kyushu 30	Kyushu	Japan	Japan	1977	VIII
417.125	Kyushu 31	Kyushu	Japan	Japan	1977	VIII
417.127	Kyushu 34	Kyushu	Japan	Japan	1977	VII
417.128	Kyushu 37	Kyushu	Japan	Japan	1977	VII
417.130	Kyushu 47	Kyushu	Japan	Japan	1977	VIII
417.131	Kyushu 53	Kyushu	Japan	Japan	1977	VIII
417.132	Kyushu 56	Kyushu	Japan	Japan	1977	VII
417.133	Madara mame	Tohoku	Japan	Japan	1977	VII
417.134	Magarikawa zairai	Kyushu	Japan	Japan	1977	VIII
417.136	Manshuu konpo daizu	Kinki	Japan	Japan	1977	VIII
417.146	Mejiro	Tohoku	Japan	Japan	1977	VIII
417.153	Minoaka daizu	Kanto	Japan	Japan	1977	VII
417.155	Misao	Unknown	Japan	Japan	1977	VII
417.190	Nezumi	Kanto	Japan	Japan	1977	VIII
417.206	Oho mame	Kanto	Japan	Japan	1977	VII
417.208	Oka daizu	Kyushu	Japan	Japan	1977	VIII
417.215	Ooita aki daizu 2	Kyushu	Japan	Japan	1977	VIII
417.222	Oono zairai (C)	Chugoku	Japan	Japan	1977	VII
417.258	Rinou	Kyushu	Japan	Japan	1977	VIII
417.261	Saishuutou tansei zairai	Kinki	Japan	Japan	1977	VIII
417.270	Satou daizu	Kanto	Japan	Japan	1977	VII
417.281	Sennari (A)	Kinki	Japan	Japan	1977	VIII
417.289	Shifuku zairai senbatsu	Chugoku	Japan	Japan	1977	VII
417.290	Shiga daizu	Shikoku	Japan	Japan	1977	VIII
417.311	Shiro daihachirin	Chugoku	Japan	Japan	1977	VII
417.313	Shiro daizu	Shikoku	Japan	Japan	1977	VIII
417.314	Shiro daizu	Chugoku	Japan	Japan	1977	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
417.316	Shiro daizu	Kanto	Japan	Japan	1977	VIII
417.318	Shiro daizu 1	Chugoku	Japan	Japan	1977	VII
417.319	Shiro daizu 3	Chugoku	Japan	Japan	1977	VII
417.320	Shirohada	Kanto	Japan	Japan	1977	VII
417.342	Shokuyou aki daizu	Kinki	Japan	Japan	1977	VIII
417.370	Tamanishiki	Kinki	Japan	Japan	1977	VIII
417.388	Tokushima daizu 1	Shikoku	Japan	Japan	1977	VIII
417.428	Tsunehira daizu	Kanto	Japan	Japan	1977	VIII
417.439	Uda daizu	Kinki	Japan	Japan	1977	VII
417.442	Usuao	Kanto	Japan	Japan	1977	VII
417.443	Wabun zairai	Chugoku	Japan	Japan	1977	VII
417.463	Y2	Kyushu	Japan	Japan	1977	VIII
417.470	Yamada	Kyushu	Japan	Japan	1977	VIII
417.496	3802	Unknown	Brazil	Japan	1977	VII
417.497	3837	Unknown	Brazil	Japan	1977	VII
417.500	Escura A	Unknown	Brazil	Japan	1977	VIII
417.501	Kedellee Stb 26	Unknown	Brazil	Japan	1977	VIII
417.504	S44/55	Unknown	Brazil	Japan	1977	VIII
417.566	A92	Unknown	Taiwan	Japan	1977	VIII
417.569	O38	Unknown	Taiwan	Japan	1977	VIII
423.886	Kurosengoku	Akita	Japan	Japan	1978	VIII
423.906	Gogaku	Nagano	Japan	Japan	1978	VII
423.908	Houjaku	Nagano	Japan	Japan	1978	VII
423.911	Mie daizu	Nagano	Japan	Japan	1978	VII
423.913	Mizukuguri	Nagano	Japan	Japan	1978	VIII
423.917	Oushoku aki daizu 34	Nagano	Japan	Japan	1978	VIII
423.920	Shiro daizu (Tottori)	Nagano	Japan	Japan	1978	VII
423.923	Tamahikari	Nagano	Japan	Japan	1978	VII
423.956	Akisengoku	Kumamoto	Japan	Japan	1978	VIII
423.957	Ano 2	Kumamoto	Japan	Japan	1978	VIII
423.959	Asomusume	Kumamoto	Japan	Japan	1978	VIII
423.962	Hyuga	Kumamoto	Japan	Japan	1978	VIII
423.966	Kumaji 2	Kumamoto	Japan	Japan	1978	VIII
423.968	Oita akidaizu 1	Kumamoto	Japan	Japan	1978	VIII
424.131	Buffalo	Harare	Zimbabwe	Zimbabwe	1978	VII
424.474–1		Cheju	South Korea	South Korea	1978	VII
424.474–2		Cheju	South Korea	South Korea	1978	VI
424.475		Cheju	South Korea	South Korea	1978	VII
429.328		Unknown	Nigeria	Nigeria	1978	VIII
429.329		Unknown	Nigeria	Nigeria	1978	VII
429.330		Unknown	Nigeria	Nigeria	1978	VIII
434.981		Unknown	Central African Republic	Nigeria	1979	VIII
434.982		Unknown	Indonesia	Nigeria	1979	VIII
437.562	Bej sjan' ni dou	Unknown	China	Russia	1980	VIII
437.668	Jun cuj 1	Unknown	China	Russia	1980	VII
437.670	La nin do (hy)	Unknown	China	Russia	1980	VIII
438.282B	(Nasu N5)	Unknown	Japan	Russia	1980	VII
438.347	35S 277	Transvaal	South Africa	Russia	1980	VII
438.428		Unknown	Indonesia	Russia	1980	VIII
438.430		Unknown	Israel	Russia	1980	VII
438.439		Unknown	Nepal	Russia	1980	VII
438.440–1		Unknown	Nepal	Russia	1980	VIII
438.440–2		Unknown	Nepal	Russia	1980	VIII
441.352		East Java	Indonesia	Indonesia	1980	VIII
441.353		Central Java	Indonesia	Indonesia	1980	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
441.355		Central Java	Indonesia	Indonesia	1980	VIII
441.358		Central Java	Indonesia	Indonesia	1980	VII
441.359		Central Java	Indonesia	Indonesia	1980	VIII
441.377		Lesser Sunda Islands	Indonesia	Indonesia	1980	VIII
441.378		East Java	Indonesia	Indonesia	1980	VIII
441.381		East Java	Indonesia	Indonesia	1980	VIII
442.003B	(Dong nong 43)	Unknown	China	China	1980	VII
442.014		Kyonggi	South Korea	South Korea	1980	VI
442.020		Kyongsang Puk	South Korea	South Korea	1980	VI
445.683		Karnali	Nepal	Nepal	1980	VII
445.842	Chiu yueh huang	Zhejiang	China	China	1980	VIII
445.843	Hua tou	Zhejiang	China	China	1980	VIII
458.198		Cholla Nam	South Korea	South Korea	1981	VII
458.211		Cholla Nam	South Korea	South Korea	1981	VII
458.218		Cholla Nam	South Korea	South Korea	1981	VII
458.242		Cholla Nam	South Korea	South Korea	1981	VII
458.261		Cholla Nam	South Korea	South Korea	1981	VII
462.312	Ankur	Uttar Pradesh	India	India	1981	VIII
468.969	MTD 10	Cantho	Vietnam	Vietnam	1982	VII
468.970	MTD 22	Cantho	Vietnam	Vietnam	1982	VII
468.971	MTD 22	Cantho	Vietnam	Vietnam	1982	VII
468.972	MTD 63	Cantho	Vietnam	Vietnam	1982	VII
468.973	MTD 65	Cantho	Vietnam	Vietnam	1982	VII
471.901	Golunggung	West Java	Indonesia	Indonesia	1982	VII
471.925		Unknown	Nepal	Japan	1982	VII
471.926		Unknown	Nepal	Japan	1982	VII
471.928		Unknown	Nepal	Japan	1982	VII
471.930		Unknown	Nepal	Japan	1982	VII
471.932		Unknown	Nepal	Japan	1982	VIII
471.933		Unknown	Nepal	Japan	1982	VIII
471.935		Unknown	Nepal	Japan	1982	VIII
471.936		Unknown	Nepal	Japan	1982	VIII
471.941		Unknown	Nepal	Japan	1982	VIII
476.878	A.9	(north)	Vietnam	Vietnam	1983	VII
476.882	Ba vi	(north)	Vietnam	Vietnam	1983	VII
476.884	Chi thao long trang	(north)	Vietnam	Vietnam	1983	VIII
476.888	Dau ban thang	(north)	Vietnam	Vietnam	1983	VIII
476.892	Den van quan	(north)	Vietnam	Vietnam	1983	VIII
476.896	Hatto hai vu may nau	(south)	Vietnam	Vietnam	1983	VIII
476.898	Hoang giang dai dau	Unknown	China	Vietnam	1983	VIII
476.904	Nau cao bang	(north)	Vietnam	Vietnam	1983	VII
476.919	Tung nchia 1	(south)	Vietnam	Vietnam	1983	VIII
476.923	V. 70	(north)	Vietnam	Vietnam	1983	VII
476.926	Vang moc ron nau	(north)	Vietnam	Vietnam	1983	VII
476.927	Vang muong khuong	(north)	Vietnam	Vietnam	1983	VII
476.928	Vang phu nhung	(north)	Vietnam	Vietnam	1983	VII
476.935	Nam vang	(south)	Vietnam	Vietnam	1983	VIII
481.679	Shauling nganti	Lhuntshi	Bhutan	Bhutan	1983	VII
481.686	Libi	Mongar	Bhutan	Bhutan	1983	VII
481.690	Reybi	Tashigang	Bhutan	Bhutan	1983	VII
482.602		Mashonaland West	Zimbabwe	Zimbabwe	1983	VIII
486.328	Birsa Soybean 1	Bihar	India	India	1984	VIII
486.329	Gaurava	Madhya Pradesh	India	India	1984	VIII
486.330	MACS 75	Maharashtra	India	India	1984	VIII
486.332	N 19	Bihar	India	India	1984	VIII
497.958		Unknown	Nepal	Canada	1985	VII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
497.960		Orissa	India	Canada	1985	VII
497.961		Himachal Pradesh	India	Canada	1985	VII
497.962		Himachal Pradesh	India	Canada	1985	VII
497.967		Kashmir	India	Canada	1985	VII
497.968		Kashmir	India	Canada	1985	VII
499.955		Sichuan	China	China	1985	VII
500.648		Copperbelt	Zambia	Zambia	1986	VIII
506.475		Hokuriku	Japan	Japan	1986	VII
506.488	Aka daizu	Shikoku	Japan	Japan	1986	VIII
506.490	Akamame	Shikoku	Japan	Japan	1986	VII
506.491	Akanida	Kyushu	Japan	Japan	1986	VIII
506.499	Akasaya (Matsuo)	Kanto	Japan	Japan	1986	VII
506.504	Aki daizu	Kanto	Japan	Japan	1986	VII
506.506	Aki daizu 1	Tohoku	Japan	Japan	1986	VIII
506.507	Aki daizu 1	Hokuriku	Japan	Japan	1986	VIII
506.508	Aki daizu 2	Kanto	Japan	Japan	1986	VIII
506.509	Aki daizu zairai	Kanto	Japan	Japan	1986	VII
506.510	Aki daizu (Shiro)	Kanto	Japan	Japan	1986	VII
506.512	Akijiro	Kanto	Japan	Japan	1986	VII
506.532	Ao chouhin 1	Kanto	Japan	Japan	1986	VII
506.538	Ao chouhin 6 (Shiro bana)	Kanto	Japan	Japan	1986	VII
506.542	Ao chouhin 10	Kanto	Japan	Japan	1986	VII
506.547	Ao chouhin 15 (Murasaki bana)	Kanto	Japan	Japan	1986	VII
506.548	Ao chouhin 15 (Shiro bana)	Kanto	Japan	Japan	1986	VII
506.555	Ao ginjiro	Kanto	Japan	Japan	1986	VII
506.556	Ao ginjiro	Kanto	Japan	Japan	1986	VII
506.557	Ao hata	Kanto	Japan	Japan	1986	VII
506.570	Aogin	Kanto	Japan	Japan	1986	VII
506.579	Asahi	Kanto	Japan	Japan	1986	VIII
506.585B	(Aso 1 (Kyuu))	Hokuriku	Japan	Japan	1986	VIII
506.599	Cha mame	Kanto	Japan	Japan	1986	VII
506.600	Cha sengoku	Tohoku	Japan	Japan	1986	VIII
506.603	Chinko	Kanto	Japan	Japan	1986	VII
506.607	Chinpitou (Torime)	Kyushu	Japan	Japan	1986	VIII
506.608	Chiyo zairai	Kanto	Japan	Japan	1986	VII
506.616	Chouhin hitashi 5	Kanto	Japan	Japan	1986	VII
506.618	Chouhin hitashi 7	Kanto	Japan	Japan	1986	VII
506.620	Chouhin hitashi 9	Kanto	Japan	Japan	1986	VI
506.623	Chouhin hitashi 12	Kanto	Japan	Japan	1986	VIII
506.625	Chouhin hitashi 14	Kanto	Japan	Japan	1986	VII
506.626	Chouhin hitashi 15	Kanto	Japan	Japan	1986	VII
506.627	Chouhin hitashi 16	Kanto	Japan	Japan	1986	VII
506.629	Chouhin hitashi 18	Kanto	Japan	Japan	1986	VII
506.632	Chousen kuro sengoku	Kyushu	Japan	Japan	1986	VIII
506.636	Chuu teppou	Tohoku	Japan	Japan	1986	VII
506.638	Chuujuku daizu	Chugoku	Japan	Japan	1986	VII
506.645	Col/Tokushima/1967	Shikoku	Japan	Japan	1986	VIII
506.646	Col/Tokushima/1967	Shikoku	Japan	Japan	1986	VII
506.665	E.G.L.I.	Kyushu	Japan	Japan	1986	VIII
506.676	Furuzato daizu	Kanto	Japan	Japan	1986	VII
506.677	Fusanari daizu	Kyushu	Japan	Japan	1986	VIII
506.679	Gakuran daizu	Kanto	Japan	Japan	1986	VIII
506.680	Gakuran daizu	Kanto	Japan	Japan	1986	VIII
506.682	Gankui 1	Tohoku	Japan	Japan	1986	VII
506.686	Gifu wase senshutsu	Kinki	Japan	Japan	1986	VIII

Table 1.2. Identification and origin information for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
506.688	Ginjiro	Hokuriku	Japan	Japan	1986	VII
506.690	Ginjiro	Kanto	Japan	Japan	1986	VII
506.696	Gogounari	Kanto	Japan	Japan	1986	VIII
506.735A	Heiwa kuro daizu	Kanto	Japan	Japan	1986	VII
506.735B	(Heiwa kuro daizu)	Kanto	Japan	Japan	1986	VII
506.737	Hikage daizu	Kanto	Japan	Japan	1986	VII
506.749	Hiroshima kuro daizu	Chugoku	Japan	Japan	1986	VII
506.755	Hitoyoshi	Kyushu	Japan	Japan	1986	VII
506.756	Hiyake shirazu	Kanto	Japan	Japan	1986	VII
506.764	Hyuuga	Kyushu	Japan	Japan	1986	VII
506.774	Ike 26	Kanto	Japan	Japan	1986	VII
506.781	Ippon suzunari	Kanto	Japan	Japan	1986	VIII
506.810	Iyo aogari	Tohoku	Japan	Japan	1986	VII
506.812	Izari 34	Kyushu	Japan	Japan	1986	VIII
506.813	Izumi	Kyushu	Japan	Japan	1986	VII
506.817	Kage mame	Hokuriku	Japan	Japan	1986	VII
506.829	Kamihisakata zairai	Kanto	Japan	Japan	1986	VII
506.877	Keihan daizu	Kanto	Japan	Japan	1986	VII
506.879	Kiiro	Kyushu	Japan	Japan	1986	VII
506.880	Kikuchi nou	Kyushu	Japan	Japan	1986	VIII
506.889	Kinmon daizu	Kyushu	Japan	Japan	1986	VIII
506.914	Kokubu 7	Kinki	Japan	Japan	1986	VII
506.947	Kumaji 2	Kyushu	Japan	Japan	1986	VIII
506.949	Kurakake daizu	Kanto	Japan	Japan	1986	VII
506.957	Kuro chouhin 6	Kanto	Japan	Japan	1986	VII
506.958	Kuro chouhin 7	Kanto	Japan	Japan	1986	VII
506.959	Kuro chouhin 8	Kanto	Japan	Japan	1986	VII
506.960	Kuro chouhin 9	Kanto	Japan	Japan	1986	VII
506.963	Kuro chouhin 12	Kanto	Japan	Japan	1986	VII
506.969	Kuro chouhin 19	Kanto	Japan	Japan	1986	VII
506.975	Kuro chouhin 24	Kanto	Japan	Japan	1986	VII
506.977	Kuro chouhin 27	Kanto	Japan	Japan	1986	VII
506.981	Kuro chouhin 30	Kanto	Japan	Japan	1986	VII
506.985	Kuro chouhin 34	Kanto	Japan	Japan	1986	VII
506.990	Kuro daizu	Chugoku	Japan	Japan	1986	VII
507.000	Kurotome	Tohoku	Japan	Japan	1986	VIII
507.002	Kyuushuu 13	Kyushu	Japan	Japan	1986	VII
507.004	Kyuushuu 33	Kyushu	Japan	Japan	1986	VIII
507.005	Kyuushuu 35	Kyushu	Japan	Japan	1986	VII
507.008	Kyuushuu 41	Kyushu	Japan	Japan	1986	VII
507.010	Kyuushuu 45	Kyushu	Japan	Japan	1986	VII
507.018	Maedamura zairai	Kanto	Japan	Japan	1986	VIII
507.020	Mansei ouhakushu	Kanto	Japan	Japan	1986	VIII
507.023	Manshuu kuro sengoku	Kyushu	Japan	Japan	1986	VIII
507.024	Manshuu massyokutou	Kyushu	Japan	Japan	1986	VII
507.035	Manka daizu	Shikoku	Japan	Japan	1986	VIII
507.039	Mikuni	Shikoku	Japan	Japan	1986	VII
507.040	Mikuriya ao	Tokai	Japan	Japan	1986	VIII
507.041	Mikuriya shiro	Tokai	Japan	Japan	1986	VII
507.042	Mino ryokucha daizu	Kanto	Japan	Japan	1986	VII
507.043	Mino ryokucha daizu	Chugoku	Japan	Japan	1986	VII
507.046	Mitama	Kyushu	Japan	Japan	1986	VIII
507.059	Mume	Tohoku	Japan	Japan	1986	VII
507.075	Nakakitaou	Kinki	Japan	Japan	1986	VII
507.137	Ooho mame	Kanto	Japan	Japan	1986	VII
507.146	Ootsuura	Kyushu	Japan	Japan	1986	VIII

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PI No.	Accession name	Region (state, province, etc.) of origin	Country of origin	Country of acquisition	Year introduced or released	Maturity group
507.156	Oushoku aki daizu	Hokuriku	Japan	Japan	1986	VII
507.161	Pakchong	Kanto	Japan	Japan	1986	VIII
507.193	Ryuusui	Kyushu	Japan	Japan	1986	VIII
507.194	Sagi shiro daizu	Kanto	Japan	Japan	1986	VII
507.202	Saishuutou shirokotsubu	Kinki	Japan	Japan	1986	VII
507.207	Saku zairai	Kanto	Japan	Japan	1986	VII
507.220	Sennari	Kinki	Japan	Japan	1986	VII
507.227	Shichigou chamame	Kanto	Japan	Japan	1986	VIII
507.249	Shiratama	Tohoku	Japan	Japan	1986	VII
507.258	Shiro dairin	Kanto	Japan	Japan	1986	VII
507.259	Shiro daizu	Kyushu	Japan	Japan	1986	VII
507.261	Shiro daizu	Tohoku	Japan	Japan	1986	VIII
507.301	Souta daizu	Kyushu	Japan	Japan	1986	VIII
507.336	Tanba kuro	Kinki	Japan	Japan	1986	VII
507.345	Tenzan	Tohoku	Japan	Japan	1986	VII
507.359	Tone tsurunoko	Kanto	Japan	Japan	1986	VII
507.371	Toukyo	Kyushu	Japan	Japan	1986	VII
507.486	Tsuru daizu	Kanto	Japan	Japan	1986	VIII
507.538	Yahagi (Aichi)	Kyushu	Japan	Japan	1986	VII
507.539	Yama aki daizu	Kanto	Japan	Japan	1986	VII
507.542	Yamaguchi aki daizu	Hokuriku	Japan	Japan	1986	VIII
507.546	Yamato zairai	Kanto	Japan	Japan	1986	VII
507.556	Yuda	Kanto	Japan	Japan	1986	VII
507.561	Yukikorogashi	Kinki	Japan	Japan	1986	VII
507.562	Yukikorogashi (Kashima)	Hokuriku	Japan	Japan	1986	VII
507.568	Yuta	Kanto	Japan	Japan	1986	VII
507.572	Zairai kurodaizu	Kyushu	Japan	Japan	1986	VII
507.574	Zairai aki daizu	Kanto	Japan	Japan	1986	VIII
507.576	Zairaishu	Kanto	Japan	Japan	1986	VIII
509.095		Cheju	South Korea	South Korea	1987	VII
509.100		Kyongsang Nam	South Korea	South Korea	1987	VII
509.113		Yunnan	China	China	1987	VII
518.284	Ai chia tou	Unknown	Taiwan	Taiwan	1988	VIII
518.286	Heng chun wu tou	Unknown	Taiwan	Taiwan	1988	VIII
518.288	Pai mei tou	Unknown	Taiwan	Taiwan	1988	VIII
518.295	Kao hsiung 8	Unknown	Taiwan	Taiwan	1988	VII
518.721	Cha lu kou 1	Jiangsu	China	China	1988	VII
518.722	Nan nong 493–1	Jiangsu	China	China	1988	VII
518.756	Centenaria	Sao Paulo	Brazil	Brazil	1988	VII
567.181A	861	Unknown	Vietnam	Vietnam	1992	VI
567.181B	(861)	Unknown	Vietnam	Vietnam	1992	V
567.231		Sichuan	China	China	1992	VIII
567.235A		Sichuan	China	China	1992	VIII
567.235B		Sichuan	China	China	1992	VIII

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
Acadian	VIII	N	P	T	E	N	Br	S	Y	Br		3N
Arisoy	VIII	N	P	T	E	N	Br	S	Y	Br		3N
Avoyelles	VIII	N	P	T	E	N	Br	I	Bl	Bl	Flk	3N
Barchet	VIII	N	P	T	E	N	Tn	Lb	Br	Br		4N
Bienville	VIII	D	P	T	E	N	Tn	I	Y	Brbl		3N
Biloxi	VIII	N	P	T	A	N	Tn	I	Rbr	Rbr	Sdef	3N
Bossier	VIII	D	P	T	E	N	Tn	I	Lgn	Bl		2N
Bragg	VII	D	W	T	Sa	N	Tn	S	Y	Bl		2N
Braxton	VII	D	P	T	E	N	Tn	I	Y	Bl		3N
Brim	VI	D	W	G	E	N	Br	S	Y	Bf		2N
Buckshot 723	VII	N	W	T	E	N	Tn	I	Y	Bl		2N
Charlee	VII	N	P	T	Sa	Ssp	Br	S	Y	Bl		3N
Cherokee	VIII	D	P	G	A	N	Bl	S	Gn	Bf	Gnc	3N
Clemson	VII	N	P	T	A	N	Tn	I	Y	Bl		2N
CNS	VII	D	P	T	A	N	Tn	I	Y	Br		3N
Cobb	VIII	D	W	G	E	N	Tn	I	Y	Bf		2N
Colquitt	VII	D	P	T	E	N	Tn	S	Y	Bl		2N
Cook	VIII	D	P	T	A	N	Tn	I	Y	Bl		2N
Creole	VII	N	P	T	A	N	Br	I	Y	Bl		2N
Crockett	VIII	D	P	T	Sa	N	Tn	D	Y	Br		2N
Delsta	VIII	D	P	G	A	N	Tn	S	Y	Bf		3N
Dortchsoy 31	VII	D	P	G	E	N	Br	I	Gn	Bf		2N
Dowling	VIII	D	W	G	E	N	Tn	I	Y	Bf		3N
Duocrop	VII	N	W	G	E	N	Tn	I	Y	Bf		3N
Foster	VIII	D	P	G	E	N	Tn	S	Y	Bf		3N
Gasoy 17	VII	D	W	G	Sa	N	Tn	S	Y	Bf		2N
Gatan	VII	N	P	Lt	E	N	Tn	S	Rbr	Rbr		4N
Georgian	VII	N	P	T	A	N	Br	I	Y	Bl		3N
Gordon	VII	D	W	G	E	N	Tn	S	Y	Bf		3N
Govan	VII	D	W	G	Sa	Ssp	Tn	I	Y	Bf		2N
Gregg	VII	D	P	G	E	N	Tn	S	Y	Ib		2N
Hagood	VII	D	W	G	A	N	Tn	S	Y	Bf	Vhil	2N
Hardee	VIII	D	W	G	E	N	Tn	S	Y	Bf		3N
Haskell	VII	D	P	T	E	N	Tn	I	Y	Bl		3N
Howard	VII	D	P	T	E	N	Tn	S	Y	Bl		2N
Hutton	VIII	D	P	T	E	N	Tn	I	Y	Bl		3N
Improved Pelican	VIII	N	P	T	Sa	N	Br	S	Y	Br		3N
J.E.W. 45	VIII	D	P	T	A	N	Tn	S	Y	Br		3N
Jackson	VII	D	W	G	Sa	N	Br	S	Y	Bf		2N
Johnston	VIII	D	P	T	Sa	N	Tn	S	Y	Bl		3N
Kirby	VIII	D	P	T	E	N	Tn	S	Y	Bl		2N
Lee 74	VI	D	P	T	E	N	Tn	S	Y	Bl		2N
Louisiana Green	VIII	N	P	T	E	N	Bl	S	Gn	Br		3N
Majos	VIII	S	W	G	A	Dn	Tn	I	Y	Bf		3N
Mamloxi	VIII	D	P	T	A	N	Br	S	Y	Br		3N
Mammoth Yellow	VII	D	W	G	A	N	Tn	S	Y	Bf		3N
Mamotan 6640	VIII	D	P	G	A	N	Lbr	S	Y	Bf		3N
Maxcy	VIII	D	P	T	E	N	Tn	I	Y	Bl		2N
Missoy	VII	N	P	T	A	Ssp	Br	S	Y	Bl		4N
Monetta	VII	D	P	T	A	N	Br	S	Y	Bl		3N
Nela	VIII	D	W	T	A	N	Tn	I	Y	Br		3N
Otootan	VIII	N	P	T	E	N	Tn	S	Bl	Bl		3N
Padre	VII	D	W	T	E	N	Tn	S	Y	Bl		2N
Palmetto	VII	N	P	T	A	N	Br	S	Y	Bl		3N
Perrin	VIII	N	P	T	A	N	Tn	I	Y	Bl		3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
Pluto	VII	S	W	T	A	N	Tn	I	Bl	Bl		2N
Pocahontas	VII	N	P	T	A	N	Br	I	Y	Br		3N
Ransom	VII	D	P	T	E	N	Tn	S	Y	Bl		2N
Roanoke	VII	D	W	G	E	N	Br	S	Y	Lbf	Vhil	2N
Seminole	VIII	D	P	T	A	N	Tn	S	Y	Br		3N
Semmes	VII	D	P	G	E	Ssp	Tn	S	Y	Ib		2N
Stonewall	VII	D	W	T	E	N	Tn	D	Y	Bl		2N
Tanner	VII	N	Lp	Lt	A	N	Tn	I	Rbr	Rbr		4N
Tarheel Black	VII	D	P	T	E	N	Br	I	Bl	Bl		4N
Tennessee Non Pop	VII	N	W	G	A	Dn	Br	I	Y	Y		2N
Thomas	VII	D	P	T	E	N	Tn	S	Y	Bl		2N
Tokyo	VII	D	P	G	E	N	Br	I	Gn	Gn	Vsc,Def	2N
Volstate	VII	D	W	G	E	N	Br	I	Y	Y		2N
White Biloxi	VIII	N	P	T	Sa	N	Br	S	Y	Br		3N
Woods Yellow	VII	D	W	G	A	N	Tn	I	Y	Bf		2N
Wright	VII	D	P	T	E	N	Tn	S	Y	Bl		2N
Yelnanda	VIII	S	W	G	A	Dn	Tn	I	Y	Bf		3N
Yelredo	VIII	N	W	G	A	N	Tn	I	Y	Bf		3N
FC 30.267	VII	D	P	Lt	E	N	Br	I	Gn	Gn		3N
FC 30.282	VII	D	P	G	E	Dn	Tn	I	Y	Bf		2N
FC 30.967	VII	D	W	G	E	N	Tn	I	Y	Bf		3N
FC 31.416	VII	N	P	T	A	N	Br	I	Y	Bl		2N
FC 31.592	VIII	N	P	T	A	N	Br	I	Bl	Bl	Gnc,Snet,Sflk	3N
FC 31.622	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
FC 31.649	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
FC 31.676	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
FC 31.677	VII	D	P	T	E	N	Tn	I	Br	Br		3N
FC 31.689	VII	D	W	T	Sa	Sdn	Br	I	Y	Br		2N
FC 31.707	VII	D	P	G	E	N	Br	I	Y	Bf	Wa	2N
FC 31.732	VII	N	P	T	Sa	N	Br	I	Br	Br		3N
FC 31.737	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
FC 31.744	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
FC 31.750	VII	D	P	G	E	N	Tn	I	Y	Bf		3N
FC 31.919	VIII	N	P	T	A	N	Br	I	Bl	Bl		3N
FC 31.921	VII	N	P	G	E	N	Br	I	Y	Bf		3N
FC 31.927	VII	N	P	T	E	N	Br	I	Y	Br		3N
FC 33.123	VII	D	W	G	A	N	Br	I	Y	Bf		2N
PI 71.558	VII	N	P	T	A	N	Br	I	Y	Br		2N
71.564	VII	D	P	T	E	N	Br	I	Y	Br		3N
71.570	VII	N	P	G	A	N	Tn	I	Y	Ib		3N
79.861	VII	N	P	T	A	N	Tn	I	Y	Brbl		3N
84.642	VII	N	P	G	A	N	Lbr	I	Y	Bf		2N
84.967	VII	N	W	T	E	N	Br	I	Y	Br		2N
85.416	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
85.897	VIII	S	P	T	Sa	N	Tn	I	Y	Br		2N
87.565	VII	D	P	G	E	N	Br	S	Y	Y		2N
89.469	VII	N	W	G	E	N	Br	I	Y	Lbf	Vhil	2N
95.960	VII	D	W	G	E	Ssp	Br	I	Y	Bf		2N
97.094	VII	N	P	T	E	Sdn	Tn	I	Y	Br		3N
97.100	VII	N	W	G	E	Ssp	Tn	S	Y	Lbf	Vhil	2N
123.439	VII	N	P	G	A	Sdn	Tn	I	Y	Ib	Lft5	3N
133.226	VIII	N	W	G	A	N	Tn	I	Y	Bf		4N
145.079	VII	D	P	G	E	N	Tn	S	Y	Bf		3N
148.259	VIII	N	P	T	E	Ssp	Tn	I	Lgn	Br		3N
153.681	VII	D	W	G	E	N	Tn	I	Y	Bf	Lft4	2N
153.682	VII	N	P	G	E	N	Br	I	Y	Bf	Lft4,5	3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
159.093	VII	N	W	G	E	N	Br	I	Y	Bf	Lft4	3N
159.094	VII	N	P	G	A	Dn	Tn	I	Y	Bf		2N
159.095	VII	N	W	G	A	N	Br	I	Y	Bf		2N
159.096	VII	N	P	G	Sa	N	Br	I	Y	Ib		2N
159.097	VII	N	W	G	E	N	Br	I	Y	Y		2N
159.922	VIII	N	P	T	E	N	Tn	I	Lgn	Bl		3N
159.924	VIII	N	P	T	E	N	Tn	I	Y	Br		3N
159.925	VIII	N	W	G	A	N	Tn	I	Y	Bf		2N
159.926	VIII	N	P	T	E	N	Br	I	Y	Bl		3N
159.927	VIII	D	W	G	A	Sdn	Tn	I	Y	Bf	Vhil	2N
164.885	VIII	S	P	T	E	N	Tn	I	Bl	Bl		3N
165.563	VII	N	P	T	E	Ssp	Tn	I	Bl	Bl		3N
165.578	VII	N	W	T	A	N	Br	I	Br	Br		2N
165.583	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk,Sw	4F
165.671	VII	D	W	G	A	N	Tn	I	Y	Bf		3N
165.674	VIII	D	P	T	Sa	N	Tn	I	Gn	Bl	Vhil	2N
165.675	VII	D	P	T	A	N	Tn	I	Y	Br		3N
165.676	VIII	D	P	T	A	N	Tn	I	Rbr	Rbr		3N
165.896	VII	D	P	T	E	N	Br	I	Bl	Bl		3N
165.914	VII	N	P	T	Sa	N	Br	I	Y	Br	Sw	5N
165.926	VII	N	P	T	E	N	Br	I	Y	Br	Sw	5N
165.929	VII	N	P	Lt	A	N	Tn	I	Bl	Bl	Sw	4N
165.943	VII	D	W	T	A	N	Br	I	Br	Br		3N
165.947	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk,Sw	4F
165.989	VII	N	P	T	E	N	Br	I	Y	Br	Sw	5N
166.028	VII	N	P	T	E	N	Br	I	Y	Br	Sw	5N
166.032	VII	N	P	T	Sa	N	Br	I	Y	Br	Sw	5N
166.048	VII	N	P	T	E	N	Br	I	Bl	Bl	Sw	4N
166.105	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4N
166.140	VII	N	W	T	A	N	Br	I	Br	Br		3N
166.141	VIII	N	W	T	A	N	Br	I	Bl	Bl		3N
171.438	VII	N	P	T	E	Sp	Br	I	Bl	Bl		4N
171.445	VII	D	P	T	A	N	Tn	I	Y	Br		3N
171.446	VII	D	P	T	A	N	Tn	I	Y	Br		3N
171.451	VII	D	W	T	E	N	Tn	I	Y	Br		2N
174.853	VII	N	W	T	A	N	Br	I	Br	Br		3N
174.854	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Flk	4F
174.855	VII	N	W	T	A	N	Br	I	Br	Br		3N
174.856	VII	N	W	T	A	N	Br	I	Br	Br		4N
174.857	VII	N	W	T	A	N	Br	I	Br	Br	Snet	4N
174.858	VII	N	W	T	A	N	Br	I	Br	Br		3N
174.859	VIII	N	P	T	E	Ssp	Tn	I	Bl	Bl	Sflk	3N
174.860	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
174.861	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Flk	5F
174.866	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
174.867	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
174.868	VII	N	W	T	A	N	Br	I	Br	Br		3N
175.175	VIII	N	P	T	E	N	Br	I	Bl	Bl	Flk	4N
175.176	VIII	N	P	T	E	N	Br	I	Bl	Bl		4N
175.177	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Flk	4N
175.178	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Flk	4N
175.179	VIII	N	P	T	E	N	Tn	I	Bl	Bl		4N
175.180	VII	N	P	T	E	N	Br	I	Bl	Bl	Sw	4F
175.181	VII	N	P	T	E	N	Br	I	Gn	Br	Sw	4N
175.182	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
175.183	VII	N	P	T	E	N	Tn	I	Gn	Br	Sw	4F
175.184	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
175.185	VII	N	P	T	E	N	Tn	I	Br	Br	Sw	4F
175.186	VII	N	P	T	E	N	Tn	I	Br	Br	Sw	5F
175.188	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
175.190	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Flk	5N
175.191	VII	N	P	T	E	N	Tn	I	Bl	Bl	Flk,Sw	4F
175.197	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
179.935	VII	N	W	G	E	N	Tn	I	Y	Bf		3N
180.051	VII	N	W	T	A	N	Br	I	Br	Br		3N
180.445	VII	N	P	T	E	N	Br	I	Br	Br		4F
181.560	VII	D	P	T	Sa	N	Br	I	Y	Br		2N
181.564	VIII	D	P	T	Sa	Ssp	Br	I	Bl	Bl	Lft4	3N
181.565	VII	D	P	G	A	Ssp	Tn	I	Y	Bf		3N
181.566	VII	D	P	G	A	N	Br	I	Y	Bf		2N
181.567	VIII	D	W	G	A	N	Br	I	Y	Bf		2N
181.568	VII	D	W	G	E	N	Br	I	Gn	Lbf	Vhil,Vsc,Lft4	2N
181.569	VII	D	P	T	A	N	Tn	I	Bl	Bl		3N
181.696	VIII	N	P	T	E	Ssp	Br	I	Bl	Bl		3N
181.697	VIII	N	P	T	E	Ssp	Br	I	Bl	Bl		3N
181.698	VIII	N	P	T	E	Ssp	Tn	I	Lgn	Br		3N
183.900	VIII	N	P	G	E	N	Tn	D	Y	Bf		3N
183.929	VII	N	W	T	Sa	N	Br	I	Y	Br		2N
183.930	VII	N	W	T	A	N	Br	I	Br	Br	Lft5	3N
187.154	VII	D	P	T	A	Ssp	Br	I	Bl	Bl		3N
189.402	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
192.867	VII	N	P	T	A	N	Br	I	Y	Br		3N
192.868	VIII	N	P	T	Sa	N	Br	I	Y	Br	Lft4	3N
192.869	VII	N	P	T	E	Ssp	Br	I	Bl	Bl		3N
192.870	VII	N	W	T	A	N	Br	I	Y	Br		3N
192.871	VII	N	P	T	A	N	Br	I	Y	Br		3N
192.872	VII	N	P	T	E	N	Br	I	Y	Br		2N
192.873	VII	N	P	T	A	N	Br	I	Y	Bl		2N
192.874	VII	N	W	T	A	N	Br	I	Bl	Bl		3N
194.773	VIII	N	P	T	E	N	Tn	I	Br	Br		3N
197.182	VIII	N	P	T	A	N	Br	I	Y	Br		3N
198.078	VII	D	P	T	A	N	Tn	I	Y	Br		3N
200.445	VIII	D	P	T	A	N	Tn	I	Y	Br		3N
200.448	VII	D	W	G	E	N	Tn	I	Y	Bf		2N
200.451	VIII	D	P	T	A	N	Tn	I	Y	Br		2N
200.452	VIII	D	P	T	Sa	N	Tn	I	Y	Br		3N
200.454	VII	D	P	T	A	N	Br	I	Gn	Gn	Gnc,Lft4,5	4N
200.455	VIII	D	P	T	A	N	Tn	I	Y	Bl		3N
200.456	VIII	D	W	T	A	N	Tn	I	Rbr	Rbr		3N
200.459	VIII	D	P	T	A	N	Br	I	Gnbr	Br		3N
200.462	VII	D	P	T	A	N	Br	I	Y	Br		3N
200.464	VII	N	P	T	A	Ssp	Br	I	Y	Br		3N
200.465	VIII	D	P	T	A	N	Tn	I	Y	Br		3N
200.466	VII	D	P	T	A	N	Br	I	Y	Br		3N
200.469	VII	D	P	G	A	Ssp	Br	I	Y	Bf		3N
200.474	VIII	N	P	T	A	Ssp	Tn	I	Y	Br		3N
200.475	VII	D	P	T	E	Sp	Br	I	Bl	Bl	Snet	3N
200.476	VII	N	P	T	E	N	Tn	I	Y	Br		3N
200.477	VII	D	P	T	E	Ssp	Br	I	Y	Br		3N
200.484	VIII	N	P	T	E	N	Tn	I	Y	Br		3N
200.486	VIII	N	P	T	E	N	Br	I	Y	Br		3N
200.487	VIII	N	P	T	A	N	Br	I	Y	Br		3N
200.488	VIII	D	P	T	E	N	Br	I	Y	Br		3N
200.491	VII	D	W	T	E	N	Br	I	Gn	Br		2N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
200.492	VII	D	W	T	A	N	Tn	I	Y	Br		3N
200.493	VII	D	P	T	E	Ssp	Tn	I	Gn	Bl	Gnc	2N
200.494	VIII	N	P	T	E	Ssp	Tn	I	Y	Bl		3N
200.498	VII	N	P	T	E	N	Br	I	Gn	Bl	Sad,Lft5	3N
200.500	VII	D	P	G	A	N	Br	I	Y	Bf		2N
200.506	VII	D	P	G	A	N	Tn	I	Y	Bf		3N
200.507	VIII	D	W	G	A	N	Tn	I	Y	Bf		3N
200.509	VIII	D	P	T	A	N	Br	I	Y	Br		3N
200.515	VIII	N	P	Ng	A	N	Tn	I	Bl	Bl		2N
200.516	VIII	N	P	G	A	N	Tn	I	Y	Ib		2N
200.521	IX	D	P	T	A	N	Br	I	Y	Br		2N
200.523	VIII	N	P	T	E	N	Tn	I	Y	Br		3N
200.524	VIII	D	P	T	E	N	Br	I	Y	Br		3N
200.525	VIII	D	P	T	A	N	Br	I	Y	Br		3N
200.526	VIII	D	P	T	A	N	Br	I	Y	Bl		3N
200.527	VII	D	P	G	A	N	Br	I	Y	Bf		3N
200.528	VIII	D	W	G	A	N	Tn	I	Y	Bf		3N
200.529	VII	D	P	G	A	N	Tn	I	Y	Bf		2N
200.530	VII	D	P	G	A	Ssp	Tn	I	Y	Bf		2N
200.531	VIII	D	P	T	A	N	Br	I	Y	Br		3N
200.532	VIII	D	P	T	A	N	Br	I	Gn	Br		3N
200.538	VIII	D	P	G	E	N	Tn	I	Y	Bf		3N
200.539	VII	D	P	T	E	Ssp	Tn	I	Y	Br		3N
200.542	VII	N	P	—	—	G	Tn	I	Y	Br		2N
200.543	VII	D	W	G	A	N	Tn	I	Y	Bf		2N
200.544	VII	D	P	T	E	N	Br	I	Bl	Bl	Snet	3N
200.547	VIII	D	P	T	A	Ssp	Br	I	Y	Br		3N
200.549	VIII	D	P	T	A	Ssp	Br	I	Y	Br		3N
200.550	VIII	D	P	T	A	N	Br	I	Y	Br		3N
200.551	VIII	D	P	T	Sa	N	Br	I	Y	Br		3N
200.832	VIII	D	W	G	Sa	N	Tn	I	Y	Bf		2N
201.423	VII	N	W	Lt	E	N	Br	I	Bl	Bl		3N
203.398	VIII	D	P	T	A	N	Tn	S	Y	Br	Vhil	3N
203.399	VIII	N	P	T	Sa	N	Tn	S	Y	Br		3N
203.400	VIII	N	P	G	Sa	N	Lbr	I	Y	Bf		3N
203.402	VIII	N	P	G	Sa	N	Br	I	Y	Bf		2N
203.403	VIII	N	P	T	Sa	N	Tn	I	Y	Br		3N
203.404	VII	N	P	G	E	N	Br	I	Y	Bf		2N
203.405	VIII	N	P	T	E	N	Tn	I	Y	Br		3N
203.406	VIII	N	P	T	A	N	Br	I	Y	Br		3N
204.331	VIII	N	W	G	A	N	Tn	I	Y	Bf		4N
204.332	VIII	N	W	G	A	N	Tn	I	Y	Bf		4N
204.333	VIII	N	W	G	A	N	Tn	I	Y	Bf	Vhil	3N
204.334	VIII	N	W	G	Sa	N	Tn	I	Y	Bf		3N
204.335	VIII	N	P	T	A	N	Br	I	Y	Br	Lft5	3N
204.336	VIII	N	P	T	Sa	N	Br	I	Y	Br	Lft5	3N
204.337	VIII	N	P	T	Sa	N	Br	I	Y	Br		3N
204.338	VIII	N	P	T	A	N	Br	I	Y	Br		3N
204.339	VIII	N	P	T	Sa	N	Br	I	Y	Br		3N
204.340	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
205.083	VII	D	W	G	Sa	N	Br	I	Y	Bf		3N
205.899	VIII	N	W	T	E	N	Br	I	Bl	Bl		3N
205.903	VIII	N	P	G	E	N	Tn	I	Y	Bf		3N
205.906	VIII	N	P	T	E	N	Br	I	Y	Br		3N
205.907	VIII	N	W	Ng	E	N	Tn	I	Y	Br		3N
205.908	VIII	N	W	T	E	N	Tn	I	Y	Br		2N
205.909	VIII	N	P	T	A	N	Br	D	Y	Br		3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
205.911	VIII	N	P	Ng	E	N	Tn	I	Y	Br		3N
205.912	VIII	N	P	G	E	N	Tn	I	Y	Bf		3N
205.913	VIII	N	P	T	E	Ssp	Tn	I	Bl	Bl		3N
205.914	VIII	N	P	T	E	Ssp	Tn	I	Lgn	Br		3N
205.915	VIII	N	W	T	E	N	Br	I	Bl	Bl		3N
206.258	VIII	N	P	T	E	N	Tn	I	Y	Tn		3N
208.203	VIII	N	P	Lt	E	N	Tn	I	Y	Y		3N
208.204	VIII	N	W	T	A	N	Br	I	Y	Br		3N
208.429	VIII	N	P	T	A	N	Br	I	Bl	Bl		4N
208.430	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Lft5	4N
208.431	VII	N	W	T	A	N	Br	I	Br	Br	Snet	2N
208.433	VII	N	W	T	H	N	Br	I	Br	Br	Snet	3N
208.434	VIII	N	P	T	Sa	N	Br	I	Y	Br		3N
208.435	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
208.437	VII	N	P	T	Sa	N	Br	I	Bl	Bl	Snet	3N
208.438	VII	N	W	T	A	N	Br	I	Br	Br	Snet	3N
208.439	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
208.782	VII	D	P	G	E	N	Tn	I	Y	Bf		3N
208.783	VII	N	P	G	A	N	Br	I	Gn	Ib		3N
208.784	VIII	D	P	G	A	N	Lbr	I	Y	Bf		3N
208.785	VII	N	P	T	E	N	Br	I	Y	Br		3N
208.788	VII	D	P	G	A	N	Br	I	Y	Bf		3N
208.789	VII	D	P	G	A	N	Br	I	Y	Bf		2N
209.340	VIII	N	P	T	A	N	Tn	I	Gn	Br		3N
209.577	VIII	N	P	T	E	N	Br	I	Gn	Br		3N
209.578	VIII	N	P	T	E	N	Tn	I	Y	Br		3N
209.833	VIII	N	P	T	A	N	Br	I	Y	Br		3N
209.836	VII	N	W	T	A	N	Br	I	Br	Br		3N
209.837	VIII	N	P	T	E	N	Lbr	I	Y	Br		3N
210.178	VIII	N	P	T	E	Ssp	Br	I	Bl	Bl		3N
210.348	VIII	N	W	G	A	N	Tn	I	Y	Bf		3N
210.349	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
210.352	VII	D	W	G	Sa	N	Tn	I	Y	Bf		3N
210.353	VII	N	W	G	E	N	Tn	I	Y	Bf		3N
215.755	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
219.652	VII	N	P	T	E	N	Br	I	Bl	Bl		3N
219.653	VIII	N	P	T	E	N	Tn	I	Gn	Br		3N
219.654	VIII	N	P	T	A	N	Tn	I	Y	Br	Lft5	3N
219.655	VII	N	P	T	E	N	Br	I	Bl	Bl		3N
221.715	VII	D	P	T	E	N	Tn	I	Y	Br	Def	2N
221.716	VII	D	P	T	E	N	Br	I	Y	Bl		3N
222.546	VII	D	W	T	A	N	Tn	I	Gn	Bl		2N
222.547	VIII	N	P	T	A	N	Tn	I	Y	Br		3N
222.548	VIII	N	P	T	A	N	Br	I	Y	Br		4N
222.550	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
224.268	VIII	D	P	T	A	N	Br	D	Y	Br		3N
224.269	VII	N	P	T	A	N	Br	I	Br	Br		3N
224.270	VII	D	W	G	A	N	Br	I	Y	Bf		3N
224.273	VII	D	P	T	A	N	Br	I	Y	Br		2N
227.219	VII	D	W	T	Sa	Ssp	Tn	I	Y	Br		3N
227.221	VII	D	W	G	A	N	Br	I	Y	Bf		3N
227.222	VII	D	P	T	A	N	Tn	I	Y	Br		3N
227.224	VII	D	P	T	A	N	Tn	I	Y	Br		3N
227.687	VIII	N	P	T	E	N	Br	I	Y	Bl		3N
228.056	VIII	D	P	G	A	N	Br	I	Y	Lbf	Vhil	3N
228.065	VII	D	W	G	A	N	Tn	I	Y	Bf		3N
229.321	VII	N	P	T	E	Ssp	Tn	I	Y	Br		3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
229.358	VII	D	P	T	E	N	Tn	I	Gn	Br		2N
230.970	VII	N	P	Lt	E	Ssp	Br	I	Gn	Bl	Gnc	3N
230.971	VIII	N	P	Lt	A	Ssp	Bl	I	Gn	Br		2N
230.972	VIII	D	W	G	E	Ssp	Lbr	I	Rbf	Rbf		3N
230.973	VII	D	P	T	A	N	Br	I	Y	Br		3N
230.975	VIII	D	P	T	E	Ssp	Br	I	Bl	Bl		2N
230.977	VII	D	P	T	E	Ssp	Br	I	Bl	Bl		3N
230.980	VII	D	P	G	A	Ssp	Tn	I	Y	Bf		2N
230.981	VII	D	P	T	A	N	Br	I	Bl	Bl		3N
239.235	VIII	S	W	G	E	N	Tn	I	Y	Bf		3N
239.237	VIII	S	P	T	E	Ssp	Br	I	Bl	Bl		3N
240.665	VIII	N	P	T	E	Ssp	Br	I	Bl	Bl		4N
240.666	VIII	N	P	Lt	A	N	Tn	I	Y	Brbl		3N
240.671	VIII	N	W	Ng	E	N	Tn	S	Y	Br	Lft5	3N
240.672	VIII	N	P	T	A	N	Tn	I	Y	Br	Lft5	3N
241.424	VII	N	P	T	A	Ssp	Br	I	Gn	Bl		2N
245.007	VIII	N	P	G	Sa	Sdn	Br	I	Y	Ib	Vhil	3N
245.008	VIII	N	P	G	E	N	Tn	I	Y	Bf		3N
247.678	VIII	N	W	T	E	N	Br	I	Y	Br		3N
247.679	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk	3N
248.510	VII	D	P	G	E	N	Tn	I	Y	Bf		4N
253.657	VIII	N	P	T	A	N	Br	I	Bl	Bl		3N
255.734	VII	D	P	T	A	N	Tn	I	Y	Br		2N
256.376	VII	D	P	T	A	N	Tn	I	Y	Br		3N
259.538	VIII	N	P	T	E	N	Br	I	Bl	Bl		4N
259.539	VIII	N	P	T	E	N	Tn	I	Lgn	Br		3N
259.540	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
259.543	VIII	N	P	T	E	Ssp	Tn	I	Lgn	Br		4N
262.180	VIII	N	P	T	E	N	Tn	I	Y	Br		3N
263.044	VIII	N	P	T	E	N	Br	I	Y	Br		3N
265.491	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
265.497	VIII	N	P	Ng	E	N	Tn	I	Y	Br		3N
265.498	VIII	N	P	T	Sa	N	Tn	I	Y	Brbl		3N
274.506	VIII	N	W	T	E	N	Br	I	Bl	Bl		3N
274.507	VIII	N	P	T	E	Ssp	Br	I	Lgn	Bl		3N
279.081	VII	N	W	G	E	N	Br	I	Y	Lbf	Vhil	2N
279.088	VIII	N	P	T	Sa	N	Tn	I	Y	Br		3N
281.885	VII	S	P	T	A	N	Br	I	Y	Br		3N
281.888	VIII	N	P	T	A	N	Tn	I	Y	Br		3N
281.889	VII	N	P	T	Sa	N	Br	I	Y	Br		4N
281.904	VIII	N	P	T	E	N	Tn	I	Y	Br	Sst	3N
283.326	VIII	N	P	T	Sa	N	Tn	I	Y	Br		4N
283.328	VIII	N	P	T	E	N	Br	I	Y	Br		3N
284.814	VIII	N	P	T	E	N	Br	Lb	Bl	Bl		3N
284.873	VIII	N	P	T	E	N	Dbr	I	Bl	Bl		3N
285.090	IX	N	P	G	A	N	Tn	I	Y	Bf		3N
285.091	VIII	N	P	T	A	N	Tn	I	Y	Br		3N
285.092	VII	N	W	G	Sa	Ssp	Tn	I	Y	Bf		2N
285.093	VII	N	P	G	E	N	Br	I	Y	Ib		3N
285.094	VIII	N	P	T	A	N	Tn	I	Y	Br		3N
285.095	VIII	N	P	T	A	N	Tn	I	Y	Br		3N
307.836	VIII	N	P	T	Sa	N	Tn	I	Bl	Bl	Flk,Sw	5F
307.881	VIII	N	P	T	Sa	N	Tn	I	Bl	Bl	Flk,Sw	5F
309.658	VIII	N	P	T	E	Ssp	Br	I	Bl	Bl		4N
310.439	VII	D	W	T	E	Ssp	Br	I	Y	Bl		3N
310.441	VII	N	P	T	A	N	Br	I	Y	Bl		3N
315.701	VII	N	Pth	T	E	N	Br	I	Bl	Bl	Sflk	4F

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
319.526	VII	N	W	T	A	N	Tn	I	Y	Br		3N
319.533	VIII	N	P	T	Sa	N	Br	I	Lgn	Brbl		3N
322.689	VII	N	P	G	A	N	Br	I	Y	Bf		3N
322.690	VII	N	P	G	A	N	Br	I	Y	Bf		3N
323.275	VII	N	P	T	A	N	Br	I	Y	Br		4N
323.276	VII	N	P	T	E	N	Br	I	Br	Br	Sst	4F
323.550	VII	N	P	T	E	N	Tn	I	Bl	Bl		4F
323.551	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk,Sw	5F
323.552	VII	N	P	T	E	N	Tn	I	Bl	Bl	Flk,Sw	4F
323.553	VIII	N	P	T	E	N	Tn	I	Bl	Bl		4N
323.554	VII	N	P	T	E	N	Tn	I	Bl	Bl		4F
323.557	VII	N	W	T	E	N	Br	I	Br	Br		3N
323.558	VII	N	P	T	E	N	Tn	I	Bl	Bl		4F
323.559	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
323.560	VII	N	P	T	E	N	Br	I	Br	Br		3N
323.561	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
323.562	VII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	5F
323.564	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
323.565	VII	N	P	T	E	N	Br	I	Br	Br	Lft5	3N
323.567	VIII	N	P	T	Sa	N	Br	I	Bl	Bl	Sflk	3N
323.568	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sw	4F
323.569	VII	N	P	T	A	N	Br	I	Br	Br		4N
323.570	VII	N	P	T	A	N	Br	I	Br	Br		4N
323.572	VII	N	P	T	E	N	Tn	I	Bl	Bl		4F
323.573	VII	N	P	T	E	N	Tn	I	Bl	Bl		4F
323.574	VII	N	P	T	A	N	Br	I	Br	Br		3N
323.575	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk,Sw	4F
323.578	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk,Sw	4F
323.579	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk,Sw	5F
324.067	VII	N	P	G	A	N	Tn	I	Y	Bf		3N
324.068	VIII	N	P	G	A	Sdn	Tn	I	Y	Bf		3N
324.189	VII	N	P	T	Sa	N	Tn	I	Y	Br	Lft5	3N
324.190	VII	N	P	T	A	N	Tn	I	Y	Br		3N
326.578	VIII	N	P	T	A	N	Br	Lb	Br	Br	Sw	4N
330.633	VII	N	W	G	E	N	Br	I	Y	Bf		3N
330.634	VII	D	P	T	Sa	N	Tn	I	Y	Br		3N
330.635	VII	N	P	G	E	Dn	Br	S	Y	Tn		2N
331.793	VIII	N	P	G	A	N	Br	I	Y	Bf		3N
331.794	VII	N	W	T	E	N	Tn	D	Y	Br		3N
331.795	VIII	N	P	T	Sa	N	Br	I	Y	Br		3N
341.252	IX	N	P	T	A	N	Tn	I	Y	Br		3N
346.298	VII	D	W	T	E	N	Tn	I	Y	Bl		2N
346.300	VII	D	P	T	A	N	Tn	I	Y	Br		3N
346.302	VII	D	P	T	A	N	Tn	I	Y	Br		3N
346.304	VIII	N	P	T	A	N	Tn	I	Y	Brbl		3N
346.305	VII	N	P	T	A	N	Br	I	Y	Bl		3N
374.154	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
374.155	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.156	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.157	VIII	N	P	T	E	N	Br	I	Bl	Bl		3N
374.158	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.159	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.160	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.161	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.162	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.163	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.164	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
374.165	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.166	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.167	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.168	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.169	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.171	VIII	S	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.172	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.173	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.174	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.175	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.176	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.177	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.178	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.179	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.180	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.181	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.182	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.183	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
374.184	VIII	N	P	T	Sa	N	Br	I	Bl	Bl	Sflk	3N
374.186	VIII	S	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
376.069	VIII	N	P	T	E	N	Br	S	Br	Br		3N
376.070	VII	N	P	T	E	N	Br	S	Br	Br		3N
376.844	VII	N	P	T	A	N	Br	I	Y	Br	Sph	2N
376.845	VIII	N	P	T	A	N	Br	I	Y	Br		3N
377.573	VII	N	P	T	A	N	Br	I	Y	Bl		2N
377.578	VII	N	P	T	A	N	Tn	I	Y	Br	Sph	2N
379.619	VII	N	W	T	E	N	Tn	I	Y	Dbr	Vhil	2N
379.623	VIII	N	P	T	A	N	Br	I	Y	Br		3N
381.657	VIII	N	P	G	Sa	N	Tn	I	Y	Ib	Vhil	4N
381.660	VII	N	W	G	A	N	Tn	I	Y	Bf		2N
381.661	VIII	N	W	G	A	N	Tn	I	Y	Bf		3N
381.672	VII	N	P	G	A	N	Tn	I	Y	Bf		3N
381.680	VII	N	P	T	E	Ssp	Br	I	Y	Brbl	Vhil	3N
381.681	VII	D	P	T	A	N	Tn	I	Y	Br		3N
381.682	VII	N	W	G	A	N	Tn	I	Y	Bf		2N
393.542	VII	N	P	T	E	N	Br	I	Bl	Bl	Flk	4N
393.543	VIII	N	P	T	E	N	Tn	I	Bl	Bl		4N
393.544	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
393.545	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk	3N
393.546	VIII	N	P	T	E	N	Tn	I	Bl	Bl	Sflk	3N
393.547	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
393.548	VIII	N	P	T	E	N	Br	I	Bl	Bl	Sflk	3N
393.549	VIII	N	P	T	E	N	Tn	I	Bl	Bl		3N
393.550	VIII	N	P	T	E	N	Tn	I	Bl	Bl		4N
393.565	VIII	D	P	T	E	N	Br	I	Y	Brbl		3N
407.766	VIII	N	P	G	A	N	Tn	I	Y	Ib		4N
407.769	VIII	N	P	T	A	N	Br	I	Lgn	Bl		3N
408.051	VII	D	W	G	A	Ssp	Br	I	Rbf	Rbf	Snet,Sdef	2N
416.764	VIII	D	P	T	A	N	Br	I	Y	Br		2N
416.770	VII	D	P	T	A	Ssp	Tn	I	Y	Lbr	Vhil,Sdef	2N
416.775	VII	D	P	T	A	Ssp	Br	I	Y	Lbr	Vhil,Sdef	2N
416.806	VIII	D	P	T	A	N	Br	S	Y	Br		3N
416.813	VII	D	P	T	E	Ssp	Br	Lb	Bl	Bl		2N
416.824	VII	D	W	G	A	Ssp	Br	I	Rbf	Rbf		3N
416.867	VII	D	P	T	A	Ssp	Bl	I	Gn	Br		3N
416.881	VIII	D	P	G	A	N	Br	I	Y	Bf		3N
416.883	VII	D	W	G	Sa	N	Tn	I	Y	Bf	Def	3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
416.886	VIII	D	P	T	A	N	Br	I	Bl	Bl		2N
416.893	VII	D	P	G	A	Ssp	Tn	I	Y	Lbf	Vhil,Sdef	2N
416.928	VII	D	P	T	E	Ssp	Br	I	Gn	Bl	Sad	3N
416.935	VIII	D	P	T	A	N	Br	I	Y	Br		3N
416.947	VII	D	P	G	Sa	Ssp	Br	I	Y	Y	Def,Vhil	3N
416.948	VII	D	P	G	A	Ssp	Br	I	Y	Lbf	Def,Vhil	3N
416.949	VIII	D	W	T	A	N	Tn	I	Y	Br		3N
416.980	VII	D	P	G	Sa	Ssp	Br	I	Y	Bf	Sdef	3N
417.009	VIII	N	W	T	E	N	Br	I	Bl	Bl	Sflk	3N
417.013	VIII	D	P	T	E	N	Br	I	Y	Br		3N
417.047	VII	D	P	G	Sa	Ssp	Br	I	Y	Lbf	Sdef,Vhil	4F
417.061	VIII	D	P	T	E	N	Br	I	Gn	Br	Vhil	2N
417.063	VII	D	W	T	A	Ssp	Br	I	Y	Br		3N
417.112	VII	D	P	G	A	Ssp	Tn	I	Y	Bf	Vhil	2N
417.113	VII	D	P	T	E	Ssp	Tn	I	Y	Br		3N
417.115	VII	D	P	G	A	N	Tn	I	Y	Bf		3N
417.116	VII	D	P	T	A	Ssp	Tn	I	Y	Br		3N
417.117	VIII	D	P	T	A	N	Br	I	Y	Br		3N
417.119	VIII	D	W	G	A	N	Br	I	Y	Bf		3N
417.120	VIII	N	P	T	Sa	N	Tn	I	Y	Br	Vhil	3N
417.122	VII	D	P	G	A	N	Tn	I	Y	Bf		2N
417.123	VIII	D	P	G	A	N	Tn	D	Y	Lbf	Vhil	3N
417.124	VIII	D	P	G	A	N	Tn	I	Y	Bf		3N
417.125	VIII	D	W	G	A	N	Tn	D	Y	Bf		3N
417.127	VII	N	W	G	E	Ssp	Tn	I	Gn	Bf		4N
417.128	VII	D	P	T	A	Ssp	Br	I	Y	Lbr	Vhil	3N
417.130	VIII	N	P	G	Sa	N	Br	I	Y	Bf	Vhil	3N
417.131	VIII	D	P	T	E	N	Br	S	Y	Br		3N
417.132	VII	D	P	G	A	Ssp	Br	I	Y	Bf	Vhil	3N
417.133	VII	D	P	G	A	Ssp	Lbr	I	Y	Lbf	Vhil	3N
417.134	VIII	D	P	T	A	N	Br	I	Bl	Bl		2N
417.136	VIII	N	P	T	E	N	Br	I	Y	Br		3N
417.146	VIII	D	P	G	A	Ssp	Tn	I	Y	Y		3N
417.153	VII	D	W	G	A	Ssp	Br	I	Rbf	Rbf	Sdef,Snet	2N
417.155	VII	D	P	T	A	N	Br	S	Y	Br		3N
417.190	VIII	D	P	T	A	Ssp	Br	I	Y	Br		3N
417.206	VII	D	P	T	E	Ssp	Br	I	Y	Br		3N
417.208	VIII	D	P	T	A	N	Br	I	Y	Br		3N
417.215	VIII	D	P	T	A	N	Br	I	Y	Br		3N
417.222	VII	D	P	T	A	N	Bl	I	Y	Br	Def	2N
417.258	VIII	D	P	T	E	N	Br	I	Y	Bl		3N
417.261	VIII	D	P	T	E	Ssp	Br	I	Lgn	Bl		4N
417.270	VII	D	P	T	E	Ssp	Br	I	Gn	Bl	Sdef	3N
417.281	VIII	D	P	T	A	N	Tn	D	Y	Lbr	Vhil	3N
417.289	VII	D	P	T	A	N	Br	I	Y	Br	Sdef	3N
417.290	VIII	N	P	T	Sa	N	Br	I	Gn	Br		3N
417.311	VII	D	P	G	A	Ssp	Br	I	Y	Bf		3N
417.313	VIII	D	P	G	A	N	Tn	I	Y	Lbf	Vhil	3N
417.314	VIII	D	P	G	A	N	Tn	I	Y	Lbf	Sdef	3N
417.316	VIII	D	P	G	A	N	Tn	I	Y	Bf		3N
417.318	VII	D	P	G	A	Ssp	Br	I	Y	Bf		2N
417.319	VII	D	P	G	A	Ssp	Tn	I	Y	Bf		3N
417.320	VII	D	P	G	A	Ssp	Br	I	Y	Lbf	Sdef	2N
417.342	VIII	D	P	G	A	N	Tn	I	Y	Bf		4N
417.370	VIII	D	W	G	A	N	Tn	I	Y	Bf		3N
417.388	VIII	D	W	T	A	N	Tn	I	Y	Br		3N
417.428	VIII	N	P	T	A	N	Bl	Lb	Bl	Bl	Flk,Sw	4N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
417.439	VII	D	W	G	A	N	Tn	I	Y	Bf		3N
417.442	VII	D	W	G	A	Ssp	Br	I	Gn	Gn		3N
417.443	VII	D	P	G	A	Ssp	Tn	I	Y	Bf		3N
417.463	VIII	D	P	T	Sa	N	Tn	I	Y	Brbl		3N
417.470	VIII	D	P	T	Sa	N	Br	I	Y	Br		3N
417.496	VII	D	P	G	E	N	Br	I	Y	Bf		3N
417.497	VII	N	P	T	Sa	N	Br	I	Rbr	Rbr	Snet	4N
417.500	VIII	N	P	T	Sa	N	Br	I	Rbr	Rbr		3N
417.501	VIII	N	P	T	E	Ssp	Br	I	Bl	Bl	Sflk	4N
417.504	VIII	N	P	T	Sa	N	Tn	I	Rbr	Rbr		3N
417.566	VIII	N	P	T	E	N	Tn	D	Y	Tn	Vhil	3N
417.569	VIII	D	W	T	A	N	Br	I	Y	Br		3N
423.886	VIII	D	P	T	A	N	Bl	I	Bl	Bl	Flk	4N
423.906	VII	D	P	G	Sa	N	Tn	I	Y	Lbf	Vhil	3N
423.908	VII	D	P	G	A	N	Lbr	I	Y	Lbf	Vhil,Sdef	3N
423.911	VII	D	W	T	Sa	Ssp	Tn	I	Y	Br	Snet	3N
423.913	VIII	D	P	G	A	N	Br	I	Y	Lbf	Vhil	3N
423.917	VIII	D	P	T	A	N	Tn	I	Y	Br		3N
423.920	VII	D	P	G	A	N	Br	I	Y	Lbf	Sdef,Snet	2N
423.923	VII	D	W	G	E	N	Br	I	Y	Lbf	Vhil,Snet	2N
423.956	VIII	D	W	G	E	N	Tn	I	Y	Lbf	Vhil	2N
423.957	VIII	D	P	T	E	N	Tn	I	Y	Br		3N
423.959	VIII	D	P	G	A	N	Tn	I	Y	Ib		4N
423.962	VIII	D	P	G	A	N	Br	I	Y	Bf		3N
423.966	VIII	N	P	T	A	N	Tn	I	Y	Bl		3N
423.968	VIII	S	P	G	A	N	Br	I	Y	Bf		3N
424.131	VII	D	W	G	A	N	Tn	I	Y	Bf		3N
424.474–1	VII	N	P	T	E	Ssp	Br	I	Y	Br		5N
424.474–2	VI	N	P	Ng	E	N	Dbr	I	Gnbr	Gnbr		4F
424.475	VII	N	P	Lt	A	Ssp	Tn	I	Y	Y		3N
429.328	VIII	N	P	T	A	N	Tn	I	Bl	Bl		4N
429.329	VII	N	P	T	A	N	Tn	I	Bl	Bl		3N
429.330	VIII	N	P	T	E	N	Br	I	Bl	Bl		4N
434.981	VIII	N	P	T	Sa	N	Br	I	Bl	Bl		4N
434.982	VIII	D	P	T	A	N	Br	I	Y	Br	Sw	3N
437.562	VIII	N	P	T	A	N	Br	Lb	Br	Br	Sw	4N
437.668	VII	N	P	T	E	N	Br	D	Y	Bl	Sad,Sph	4N
437.670	VIII	N	P	T	A	N	Br	B	Bl	Bl	Sw	5N
438.282B	VII	N	P	T	E	N	Br	I	Bl	Bl		4N
438.347	VII	N	W	G	E	N	Br	I	Y	Y	Sabh	3N
438.428	VIII	N	P	T	A	N	Tn	I	Bl	Bl		4N
438.430	VII	D	P	G	E	N	Br	I	Gn	Bf	Vhil,Snet	2N
438.439	VII	N	W	T	A	N	Br	I	Gnbr	Gnbr	Snet	3N
438.440–1	VIII	N	P	T	A	N	Tn	I	Bl	Bl	Flk	4N
438.440–2	VIII	N	P	T	A	N	Br	I	Br	Br		3N
441.352	VIII	N	P	T	E	Ssp	Tn	I	Y	Br		3N
441.353	VIII	N	W	T	A	N	Tn	I	Y	Brbl		3N
441.355	VIII	N	P	T	A	N	Br	I	Bl	Bl		4N
441.358	VII	D	P	T	A	N	Tn	I	Y	Br		4N
441.359	VIII	N	P	T	A	N	Br	I	Y	Br	Vhil	3N
441.377	VIII	S	P	T	E	Ssp	Tn	I	Y	Br		3N
441.378	VIII	D	P	T	A	N	Tn	I	Y	Br		3N
441.381	VIII	S	P	Lt	A	N	Tn	I	Bl	Bl	Sdef	4N
442.003B	VII	N	P	T	A	N	Br	I	Gn	Bl		3N
442.014	VI	D	P	T	E	Ssp	Br	I	Bl	Bl		3N
442.020	VI	D	W	G	E	Ssp	Br	I	Y	Lbf	Vhil,Sdef	2N
445.683	VII	N	P	T	E	N	Tn	I	Bl	Bl	Gnc,Flk	4F

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
445.842	VIII	N	P	T	A	Ssp	Tn	I	Y	Br		3N
445.843	VIII	N	W	T	A	Ssp	Br	I	Br	Br	St,Snet	3N
458.198	VII	D	W	G	A	N	Br	I	Rbf	Rbf	Snet	2N
458.211	VII	D	W	G	A	N	Tn	I	Rbf	Rbf	Snet	3N
458.218	VII	D	P	T	E	Ssp	Br	Lb	Bl	Bl	Snet	2N
458.242	VII	D	W	G	A	N	Br	I	Rbf	Rbf	Snet	2N
458.261	VII	D	W	G	A	N	Tn	I	Rbf	Rbf	Snet	2N
462.312	VIII	N	W	T	Sa	N	Br	I	Y	Br		3N
468.969	VII	D	W	T	Sa	N	Tn	I	Y	Brbl	Vhil	3N
468.970	VII	N	P	T	A	N	Br	I	Y	Br		3N
468.971	VII	N	W	T	A	N	Br	I	Y	Br		3N
468.972	VII	N	P	G	A	N	Br	I	Y	Bf		3N
468.973	VII	D	P	T	A	N	Tn	I	Gn	Brbl	Vhil	2N
471.901	VII	D	W	G	E	N	Tn	I	Y	Lbf	Vhil	3N
471.925	VII	N	W	T	A	N	Br	I	Gnbr	Gnbr	Snet	3N
471.926	VII	D	W	T	A	N	Br	S	Br	Br	Sdef	3N
471.928	VII	N	W	T	A	N	Br	I	Gnbr	Gnbr	Sdef	3N
471.930	VII	N	W	T	E	N	Br	I	Gnbr	Gnbr	Sdef	3N
471.932	VIII	N	W	T	A	N	Br	I	Bl	Bl	Lft4	3N
471.933	VIII	N	W	T	A	N	Br	I	Bl	Bl	Lft5	4N
471.935	VIII	N	W	T	A	N	Br	I	Y	Br	Lft5	3N
471.936	VIII	N	W	T	A	N	Tn	I	Bl	Bl	Snet,Lft4,5	3N
471.941	VIII	N	W	T	A	N	Br	I	Bl	Bl		3N
476.878	VII	N	P	T	A	N	Tn	I	Y	Brbl		3N
476.882	VII	N	P	G	A	N	Tn	I	Y	Bf		4N
476.884	VIII	N	P	T	Sa	Ssp	Br	I	Bl	Bl		3N
476.888	VIII	N	P	T	A	N	Br	I	Y	Brbl		4N
476.892	VIII	N	P	T	A	Sp	Br	I	Bl	Bl		4N
476.896	VIII	N	P	T	A	Ssp	Br	I	Y	Br		3N
476.898	VIII	D	P	G	A	N	Tn	I	Y	Ib		3N
476.904	VII	D	P	T	A	N	Br	S	Br	Br		3N
476.919	VIII	N	P	G	A	N	Br	I	Y	Bf		3N
476.923	VII	N	P	T	A	N	Tn	I	Y	Brbl		3N
476.926	VII	S	P	G	A	N	Br	I	Y	Lbf	Vhil	3N
476.927	VII	N	P	T	A	N	Tn	I	Y	Br		3N
476.928	VII	N	W	G	Sa	N	Tn	I	Y	Bf		3N
476.935	VIII	N	P	G	A	N	Br	I	Y	Bf		3N
481.679	VII	D	W	T	A	N	Br	I	Gnbr	Gnbr		3N
481.686	VII	D	W	T	A	N	Br	I	Gnbr	Gnbr		3N
481.690	VII	D	W	T	A	N	Br	I	Gnbr	Gnbr		3N
482.602	VIII	N	P	G	A	N	Br	I	Y	Bf		3N
486.328	VIII	D	W	T	E	N	Tn	I	Bl	Bl		3N
486.329	VIII	D	P	T	A	N	Br	I	Y	Br		3N
486.330	VIII	N	P	T	A	N	Br	S	Y	Br	Sph	3N
486.332	VIII	D	W	T	A	N	Tn	I	Bl	Bl		3N
497.958	VII	N	P	T	Sa	N	Tn	I	Gnbr	Br	Sw	5F
497.960	VII	N	P	T	Sa	N	Tn	I	Y	Br	Sw	5N
497.961	VII	N	P	T	E	N	Tn	I	Y	Br	Sw	5N
497.962	VII	N	P	T	E	N	Tn	I	Y	Br	Sw	5F
497.967	VII	N	P	T	Sa	N	Br	I	Bl	Bl		4N
497.968	VII	N	P	T	A	N	Br	I	Y	Br	Sw	5N
499.955	VII	D	W	G	A	N	Tn	I	Y	Bf		3N
500.648	VIII	D	P	G	A	Sdn	Tn	I	Y	Bf		3N
506.475	VII	D	P	G	A	N	Br	I	Y	Lbf	Vhil,Def	3N
506.488	VIII	D	P	T	Sa	N	Tn	D	Br	Br		3N
506.490	VII	D	W	G	E	N	Tn	I	Rbf	Rbf	Def	3N
506.491	VIII	D	P	T	A	N	Br	I	Y	Br		3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
506.499	VII	D	W	T	A	N	Br	D	Y	Br		2N
506.504	VII	D	P	T	A	N	Br	I	Y	Br	Vhil	2N
506.506	VIII	D	P	G	A	N	Tn	S	Y	Bf	Sdef	2N
506.507	VIII	D	P	G	A	N	Br	I	Y	Bf	Vhil	3N
506.508	VIII	D	P	T	A	N	Tn	I	Y	Br		3N
506.509	VII	D	P	T	A	N	Tn	I	Y	Br	Vhil	3N
506.510	VII	D	W	G	A	N	Tn	I	Y	Bf	Def	3N
506.512	VII	D	P	T	Sa	N	Br	I	Y	Br		2N
506.532	VII	D	W	G	E	N	Bl	I	Gn	Bf	Gnc	3N
506.538	VII	D	W	T	A	Ssp	Tn	I	Gn	Bl	Gnc,Def	2N
506.542	VII	D	P	T	E	Ssp	T	D	Gn	Bl	Def	2N
506.547	VII	D	P	G	E	N	Bl	D	Gn	Gn	Gnc	2N
506.548	VII	D	W	G	E	N	Bl	D	Gn	Bf	Gnc	2N
506.555	VII	D	P	T	E	Ssp	Br	I	Y	Bl	Sdef	2N
506.556	VII	D	P	T	E	Ssp	Tn	D	Gn	Bl	Sdef	2N
506.557	VII	D	P	T	A	Ssp	Br	D	Gn	Bl	Gnc,Sdef	3N
506.570	VII	D	P	T	E	Ssp	Br	I	Gn	Bl		2N
506.579	VIII	D	P	T	E	Ssp	Lbr	I	Gn	Bl	Def	2N
506.585B	VIII	D	P	T	A	N	Tn	I	Y	Bl		3N
506.599	VII	D	W	G	E	Ssp	Br	I	Rbf	Rbf		1N
506.600	VIII	D	P	T	A	N	Tn	I	Br	Br		3N
506.603	VII	D	P	T	E	Ssp	Br	I	Gn	Bl	Gnc	4F
506.607	VIII	N	P	T	E	Ssp	Br	I	Gn	Br		3N
506.608	VII	D	P	G	A	N	Tn	I	Y	Lbf	Vhil	3N
506.616	VII	D	P	T	E	Ssp	Br	D	Gn	Bl	Gnc,Sad	4F
506.618	VII	D	P	T	E	Ssp	Br	D	Gn	Bl	Gnc,Sad	4F
506.620	VI	D	P	T	E	N	Br	D	Gn	Bl	Gnc,Sad	4N
506.623	VIII	D	P	T	Sa	Ssp	Tn	I	Gn	Bl	Sdef	4F
506.625	VII	D	P	T	Sa	Ssp	Tn	I	Gn	Bl		3N
506.626	VII	D	P	T	E	Ssp	Br	I	Gn	Br		3N
506.627	VII	D	P	T	E	N	Br	I	Gn	Bl		3N
506.629	VII	D	P	T	E	N	Br	I	Gn	Bl		4N
506.632	VIII	N	P	T	A	N	Tn	I	Bl	Bl		4N
506.636	VII	D	P	G	A	Ssp	Tn	I	Y	Bf		3N
506.638	VII	D	P	G	A	N	Tn	I	Y	Bf		3N
506.645	VIII	D	P	T	Sa	N	Tn	I	Br	Br		3N
506.646	VII	D	W	T	A	N	Bl	I	Y	Br		3N
506.665	VIII	N	P	Lt	A	N	Br	I	Y	Bl		3N
506.676	VII	D	P	G	A	Ssp	Br	I	Y	Lbf	Vhil	1N
506.677	VIII	D	P	T	A	N	Tn	I	Y	Br		4N
506.679	VIII	N	P	T	A	N	Br	I	Y	Br	Sdef	3N
506.680	VIII	D	P	T	A	N	Br	I	Y	Br		3N
506.682	VII	D	P	T	E	N	Br	I	Bl	Bl		4N
506.686	VIII	N	P	T	E	N	Br	I	Y	Bl		4N
506.688	VII	D	P	G	E	N	Br	I	Y	Lbf	Vhil	2N
506.690	VII	D	P	G	A	N	Br	I	Y	Lbf	Vhil	3N
506.696	VIII	D	P	T	E	N	Br	I	Gn	Bl		3N
506.735A	VII	D	P	T	A	N	Br	D	Bl	Bl		3N
506.735B	VII	D	P	T	A	N	Br	D	Bl	Bl		3N
506.737	VII	D	P	T	A	N	Br	I	Y	Br		3N
506.749	VII	D	P	T	E	N	Tn	I	Y	Br		3N
506.755	VII	D	P	Lt	E	N	Tn	I	Y	Br		3N
506.756	VII	D	P	T	E	Ssp	Br	I	Gn	Bl		2N
506.764	VII	D	P	G	A	N	Tn	I	Y	Bf		2N
506.774	VII	D	W	G	A	Ssp	Br	S	Y	Bf	Sdef	2N
506.781	VIII	D	P	T	A	N	Br	I	Y	Br		4N
506.810	VII	D	P	T	E	Ssp	Bl	D	Gn	Gn		3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
506.812	VIII	N	P	T	A	N	Tn	I	Y	Br		4N
506.813	VII	D	P	G	E	N	Tn	I	Y	Y		3N
506.817	VII	D	P	G	A	Ssp	Tn	I	Y	Bf	Sdef	3N
506.829	VII	D	P	G	A	N	Tn	I	Y	Bf	Def	3N
506.877	VII	D	W	G	A	N	Br	I	Y	Y	Def	3N
506.879	VII	D	P	T	A	N	Br	I	Y	Br		2N
506.880	VIII	N	P	T	E	N	Br	I	Y	Br		3N
506.889	VIII	N	P	T	E	N	Tn	I	Y	Bl		3N
506.914	VII	D	W	G	A	N	Tn	I	Y	Bf		2N
506.947	VIII	N	P	T	A	N	Tn	I	Y	Bl		3N
506.949	VII	D	P	T	E	N	Br	I	Gn	Bl	Sad,Sdef	4F
506.957	VII	D	P	T	A	Ssp	Br	I	Bl	Bl		2N
506.958	VII	D	P	T	E	N	Br	I	Bl	Bl		2N
506.959	VII	D	P	T	E	N	Br	D	Bl	Bl		3N
506.960	VII	D	P	T	E	N	Br	D	Bl	Bl		3N
506.963	VII	D	W	T	A	Ssp	Br	I	Bl	Bl		2N
506.969	VII	D	W	T	A	Ssp	Tn	I	Bl	Bl		2N
506.975	VII	D	P	T	E	Ssp	Br	D	Bl	Bl	Gnc	3N
506.977	VII	D	P	T	E	N	Br	I	Bl	Bl		2N
506.981	VII	D	P	T	A	Ssp	Br	I	Bl	Bl		2N
506.985	VII	D	P	T	E	N	Br	I	Bl	Bl		2N
506.990	VII	D	P	T	E	Ssp	Br	I	Bl	Bl		3N
507.000	VIII	D	P	T	E	N	Tn	I	Bl	Bl	Snet	3N
507.002	VII	D	P	T	A	Ssp	Br	I	Y	Br		3N
507.004	VIII	D	P	T	A	N	Br	I	Y	Br		3N
507.005	VII	D	P	G	A	Ssp	Br	I	Y	Ib		3N
507.008	VII	D	P	G	A	N	Tn	I	Y	Bf		3N
507.010	VII	D	P	G	A	N	Tn	I	Y	Bf	Sdef	3N
507.018	VIII	D	P	T	A	Ssp	Br	I	Bl	Bl		2N
507.020	VIII	D	P	T	E	N	Br	D	Y	Br		3N
507.023	VIII	N	P	T	E	N	Br	D	Bl	Bl		3N
507.024	VII	N	P	T	Sa	N	Bl	I	Gnbr	Br		3N
507.035	VIII	D	P	G	A	N	Br	I	Y	Bf	Vhil	3N
507.039	VII	D	P	T	A	N	Br	I	Y	Br	Sdef	3N
507.040	VIII	N	P	T	Sa	N	Tn	I	Y	Br	Vhil	3N
507.041	VII	D	P	T	E	Ssp	Br	I	Y	Br		3N
507.042	VII	S	P	T	E	Ssp	Br	I	Gnbr	Br		3N
507.043	VII	D	P	T	E	Ssp	Br	D	Br	Br		2N
507.046	VIII	N	P	T	A	N	Br	I	Y	Br		3N
507.059	VII	D	W	T	A	Ssp	Tn	I	Y	Br		3N
507.075	VII	D	P	G	A	N	Tn	I	Y	Lbf	Vhil,Sdef	3N
507.137	VII	D	W	G	Sa	N	Br	I	Y	Lbf	Vhil	2N
507.146	VIII	D	P	T	Sa	N	Br	I	Y	Br		3N
507.156	VII	D	P	T	A	N	Br	I	Y	Br	Vhil,Sdef	3N
507.161	VIII	D	P	T	E	Ssp	Tn	I	Y	Br		3N
507.193	VIII	D	P	T	A	N	Br	I	Y	Br		3N
507.194	VII	D	P	G	A	N	Tn	I	Y	Bf	Vhil,Sdef	3N
507.202	VII	D	W	G	A	N	Tn	D	Y	Bf		3N
507.207	VII	D	P	T	Sa	Ssp	Br	I	Gn	Bl	Gnc	3N
507.220	VII	D	P	T	A	N	Tn	D	Y	Br		3N
507.227	VIII	D	W	G	A	N	Tn	I	Rbf	Rbf		2N
507.249	VII	D	P	G	A	N	Br	S	Y	Bf		2N
507.258	VII	D	P	G	A	N	Tn	I	Y	Bf		2N
507.259	VII	D	P	T	A	N	Br	I	Y	Br		3N
507.261	VIII	D	P	T	A	N	Br	I	Y	Br		3N
507.301	VIII	D	P	T	E	N	Br	I	Gn	Br		3N
507.336	VII	D	P	T	A	N	Br	Lb	Bl	Bl	Snet	3N

Table 2.2. Descriptive data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B

Entry	Maturity group	Stem term.	Flower color	Pubescence			Pod color	Seedcoat		Hilum color	Other traits	Seed shape
				Color	Form	Density		Luster	Color			
507.345	VII	D	P	G	A	N	Br	S	Y	Bf		2N
507.359	VII	D	P	G	A	N	Br	I	Y	Y	Sdef	3N
507.371	VII	D	P	G	A	N	Br	I	Gn	Lbf	Vhil	2N
507.486	VIII	D	P	T	Sa	N	Tn	I	Y	Br		3N
507.538	VII	D	P	T	A	N	Br	I	Y	Br		3N
507.539	VII	D	W	G	Sa	N	Tn	I	Y	Bf		2N
507.542	VIII	D	P	G	A	N	Tn	I	Y	Bf	Vhil	3N
507.546	VII	D	P	G	A	N	Br	I	Y	Bf		3N
507.556	VII	D	P	G	Sa	N	Tn	I	Y	Lbf		2N
507.561	VII	D	P	T	Sa	N	Br	D	Bl	Bl	Snet	3N
507.562	VII	D	P	G	A	N	Tn	I	Y	Bf		2N
507.568	VII	D	P	G	Sa	N	Tn	S	Y	Lbf	Vhil	2N
507.572	VII	D	W	T	Sa	Ssp	Br	D	Bl	Bl		3N
507.574	VIII	D	P	G	A	N	Br	I	Y	Bf		3N
507.576	VIII	D	P	T	A	N	Br	I	Y	Br		3N
509.095	VII	D	P	G	E	N	Tn	I	Y	Ib		2N
509.100	VII	D	P	G	E	N	Tn	I	Lgn	Ib		2N
509.113	VII	N	P	T	Sa	N	Br	I	Bl	Bl		4N
518.284	VIII	N	P	T	E	N	Br	I	Y	Br		3N
518.286	VIII	N	P	T	A	N	Br	I	Bl	Bl		4N
518.288	VIII	N	P	T	A	N	Tn	I	Y	Bl		3N
518.295	VII	D	W	T	A	N	Br	I	Y	Br		3N
518.721	VII	N	P	T	A	Ssp	Tn	I	Y	Br		3N
518.722	VII	D	W	G	Sa	Ssp	Tn	I	Y	Bf	Vhil	3N
518.756	VII	D	W	T	E	Sdn	Tn	I	Y	Y	Vhil	2N
567.181A	VI	S	W	T	A	N	Br	I	Y	Br		3N
567.181B	V	D	W	T	A	N	Tn	I	Y	Br		3N
567.231	VIII	N	P	T	A	N	Br	I	Bl	Bl		3N
567.235A	VIII	D	W	T	A	Ssp	Br	I	Y	Br		3N
567.235B	VIII	N	P	T	Sa	N	Br	I	Y	Br		3N

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
Acadian	824	1029	4.0	158*	5.0	1.0	2.0	2.0	3.0	8.1	1.37
Arisoy	817*	1029	4.0	162*	5.0	1.0	2.0	2.2	2.5	9.0	1.22
Avoyelles	827	1101	4.0	149	5.0	1.0	2.0	2.2	—	10.0	1.57
Barchet	819	1029	4.0	95	5.0	1.0	2.0	2.2	—	5.8	0.86
Bienville	810	1029	3.0	122	1.0	1.0	1.0	1.7	1.5	13.1	2.11
Biloxi	818	1104	2.5	159	5.0	1.0	2.0	3.2	—	20.2	1.26
Bossier	801	1029	3.5	98	1.0	1.0	2.0	2.7*	2.0	12.2	2.61*
Bragg	722	1020	2.5	110*	1.0	1.0	1.0	2.0	2.0	11.4*	2.19*
Braxton	721	1021	1.5	115	1.0	1.0	1.0	2.5	2.0	15.0	2.40*
Brim	718	1011	1.0	101	1.0	1.0	1.0	1.7	1.0	11.2	3.04*
Buckshot 723	721	1025	2.5	110	5.0	1.0	1.0	2.5	1.0	12.6	2.49*
Charlee	822	1023	4.0	126	4.5	1.0	1.0	2.7	3.7	12.0	1.36*
Cherokee	824	1105	2.5	137*	1.0	1.0	2.0	2.5	2.0	18.1	1.75*
Clemson	806	1021	2.5	135*	5.0	1.0	1.0	2.5	2.0	11.1	1.06
CNS	813	1023	3.0	91	1.0	1.0	1.0	2.2	2.0	11.2	1.82*
Cobb	801	1101	2.0	123	1.0	1.0	2.0	2.0	1.0	12.7	2.86*
Colquitt	722	1017	1.5	101	1.0	1.0	1.0	2.0	2.0	14.6	2.75*
Cook	728	1029	2.5	116	1.0	1.0	2.0	2.5	2.0	14.1	3.11*
Creole	801	1025	4.0	129	5.0	1.0	1.0	3.0	2.0	13.7	1.87*
Crockett	810	1029	3.5	107	1.0	1.0	1.0	2.0	2.0	9.4	2.18*
Delsta	812	1102	3.0	114	1.0	1.0	1.0	2.5	2.0	17.1	2.26
Dortchsoy 31	725	1019	1.0	91*	1.0	1.0	1.0	2.0	2.0	12.8	1.92*
Dowling	801	1104	3.0	123	1.0	1.0	2.0	3.0	2.0	12.5	2.33*
Duocrop	716	1011	2.5	140*	5.0	1.0	1.0	2.5	2.0	13.9	2.00*
Foster	728	1019	4.0	90	1.0	1.0	1.0	2.5	1.5	10.9	2.38*
Gasoy 17	801	1025	3.0	116	1.0	1.0	1.0	2.0	1.0	12.9	3.17*
Gatan	821	1026	4.0	220*	4.0	1.0	1.0	2.5	—	9.2	0.81
Georgian	813	1019	4.5	125*	4.0	1.0	1.0	3.0	2.0	11.6	1.80
Gordon	725	1014	2.5	95	1.0	1.0	1.0	2.0	2.0	10.9	2.59*
Govan	723*	1020	1.0	99	1.0	1.0	1.0	2.0	2.0	11.2	2.45*
Gregg	721	1022	2.0	88	1.0	1.0	1.0	2.0	2.0	10.8	2.79*
Hagood	801	1027	3.0	114	1.0	1.0	1.0	2.2	2.0	11.5	3.42
Hardee	816	1102	3.0	132*	1.0	1.0	2.0	3.5	3.0	11.6	2.25*
Haskell	718	1020	1.5	100	1.0	1.0	1.0	2.0	1.0	12.6*	2.34*
Howard	726	1019	2.0	107	1.0	1.0	1.0	2.0	3.0	12.2	3.10*
Hutton	731	1029	3.0	107	1.0	1.0	2.0	2.5	2.0	14.7	2.26*
Improved Pelican	824	1102	3.5	154*	5.0	1.0	1.0	2.0	3.0	9.9	1.23
J.E.W. 45	819	1029	4.0	121*	1.0	1.0	1.0	3.0	2.0	17.5	2.15
Jackson	723	1021	2.0	119	1.0	1.0	1.0	2.5	1.0	14.1	2.75*
Johnston	725	1029	2.5	99	1.0	1.0	1.0	1.7	1.0	14.8	2.85*
Kirby	727	1029	2.0	109*	1.0	1.0	1.0	2.0	2.0	11.0	2.81*
Lee 74	720	1014	2.0	86	1.0	1.0	1.0	2.2	2.0	13.7	2.9*
Louisiana Green	821	1103	5.0	142*	5.0	1.0	2.0	2.7	4.0	11.7	1.37
Majos	816	1103	3.5	105	2.0	1.0	1.0	3.0	1.5	16.6	1.74
Mamloxi	816	1101	3.0	129	1.0	1.0	2.0	2.5	2.5	15.6	2.04
Mammoth Yellow	801	1020	3.0	106	1.0	1.0	2.0	2.2	2.0	17.4	1.62*
Mamotan 6640	816	1101	3.0	106	1.0	1.0	1.0	2.5	2.0	15.3	2.09*
Maxcy	718	1026	1.5	105	1.0	1.0	1.0	2.5	1.0	11.4*	2.57*
Missoy	821	1025	4.0	225+	3.0*	1.0	1.0	2.7	3.0	11.6	1.63
Monetta	811	1015	4.0	106	1.5	1.0	1.0	2.5	2.0	12.5	1.64
Nela	817	1103	3.0	110	1.0	1.0	1.0	2.5	2.0	15.6	2.03*
Ototan	826	1103	5.0	160*	5.0	1.0	1.0	2.5	—	8.6	0.73
Padre	801*	1021	4.0	139*	1.0	1.0	1.0	2.5	3.0	11.8	2.15

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
Palmetto	808	1015	4.0	140	5.0	1.0	1.0	2.5	2.0	10.6	1.57
Perrin	809	1029	2.0*	124	5.0	1.0	1.0	3.0	2.5	15.7	2.58*
Pluto	728	1012	4.0	118	2.0	2.0	2.0	2.5	—	17.4	1.42*
Pocahontas	821	1103	3.0	107	5.0	2.0	1.0	2.7	2.5	15.7	1.35*
Ransom	717	1019	2.0	99*	1.0	1.0	1.0	2.5	2.0	13.8	1.83*
Roanoke	727	1021	2.0	108	1.0	1.0	1.0	2.5	1.0	13.1*	2.52*
Seminole	816	1104	3.0	134*	1.0	1.0	1.0	2.7	2.0	16.2	2.21
Semmes	801	1015	2.0	93*	1.0	1.0	1.0	2.0	1.5	12.1	1.70*
Stonewall	716	1014	1.0	92	1.0	1.0	1.0	2.0	2.0	13.2	2.89*
Tanner	808	1015	4.0	132	5.0	1.0	1.0	2.5	—	8.8	0.89
Tarheel Black	801*	1019	2.0	108	1.0	1.0	1.0	2.0	—	20.0*	1.48*
Tennessee Non Pop	726	1024	3.0	143*	5.0	2.0	1.0	3.0	1.5	16.2	1.90*
Thomas	725	1015	1.0	101*	1.0	1.0	1.0	2.0	2.0	14.0	2.46*
Tokyo	725	1020	2.0	106	1.0	1.0	1.0	2.5	1.5	17.6*	2.41*
Volstate	720	1021	2.0	110	1.0	1.0	1.0	2.5	1.0	13.4*	2.35*
White Biloxi	902	1101	4.0	155*	5.0	1.0	1.0	2.0	2.5	11.2	1.58
Woods Yellow	804*	1024	2.0	108	1.0	1.0	1.0	2.0	1.0	15.5*	1.69*
Wright	727	1017	3.0	117*	1.0	1.0	1.0	2.0	2.0	11.9	2.00*
Yelnanda	816	1103	3.0	136*	2.0	1.0	2.0	3.2	2.0	15.4	1.80
Yelredo	816	1029	5.0	163	5.0	1.0	1.0	3.0	2.0	12.6	1.16
FC 30.267	721	1024	2.0	98	1.0	1.0	1.0	3.5	3.0	13.4	1.76*
FC 30.282	814	1031	2.5	96	1.0	1.0	1.0	3.0	2.0	15.5	1.52*
FC 30.967	725	1023	1.5	89	1.0	1.0	1.0	2.0	1.5	12.2	1.76
FC 31.416	813	1019	4.0	107	2.0	1.0	1.0	2.5	2.0	9.8	1.45
FC 31.592	821	1103	4.0	150*	5.0	1.0	2.0	3.5	—	20.8	1.72
FC 31.622	809	1021	1.0	101	1.0	1.0	1.0	2.0	2.0	16.1	1.73*
FC 31.649	809	1021	1.5	97	1.0	1.0	1.0	1.5	2.0	16.1*	1.87*
FC 31.676	802	1021	1.0	91	1.0	1.0	1.0	2.0	2.0	15.6*	1.75*
FC 31.677	718	1020	2.0	72	1.0	1.0	1.0	2.5	—	20.5	2.42*
FC 31.689	731	1102	2.5	91*	1.0	1.0	1.0	3.5	1.0	18.4	2.18*
FC 31.707	724	1015	2.0	80	1.0	1.0	1.0	2.5	3.0	13.6	2.21
FC 31.732	803*	1028	4.0	125	4.5	1.0	1.0	2.5	—	15.7	2.16
FC 31.737	809	1021	2.0	98*	1.0	1.0	2.0	2.5	2.0	14.0	1.82*
FC 31.744	804	1021	1.0	103	1.0	1.0	1.0	2.0	2.0	15.1	1.98*
FC 31.750	813	1023	3.0	98	1.0	1.0	3.0	2.5	2.0	16.8	2.24*
FC 31.919	812	1029	5.0	136	5.0	1.0	1.0	2.5	—	12.1	1.25
FC 31.921	810	1023	3.0	98*	3.0	1.0	2.0	2.5	2.0	16.7	2.28*
FC 31.927	810	1027	3.5	117*	3.0	1.0	1.0	3.0	3.0	8.6	1.13
FC 33.123	814	1030	2.5	100*	1.0	1.0	1.0	2.0	1.0	13.8	2.29
PI 71.558	823	1102	4.5	150*	5.0	1.0	2.0	3.0	3.0	14.1	1.93
71.564	814	1031	3.0	115*	1.0	1.0	2.0	2.7	3.0	11.7	2.06*
71.570	813	1030	4.5	131*	5.0	1.0	1.0	3.2	2.0	9.9	1.54
79.861	808	1024	4.5	131*	5.0	2.0	3.0	3.0	2.0	11.4	1.42*
84.642	726*	1014	4.0	153	5.0	1.0	3.0	2.5	2.0	8.9	1.54*
84.967	801	1020	4.5	116	5.0	2.0	2.0	2.5	4.0	13.8	1.75*
85.416	726*	1017	2.5	94*	1.0	1.0	1.0	2.0	2.0	14.5	2.06*
85.897	822	1106	4.0	159*	2.0	1.0	2.0	2.5	3.0	11.6	1.63
87.565	722	1006	3.0	90	1.0	1.0	1.0	2.5	2.0	16.5	1.50*
89.469	803*	1020	3.0	118	5.0	1.0	1.0	2.5	3.0	10.9	1.52
95.960	801	1021	2.5	91	1.0	1.0	1.0	2.5	2.0	17.7	2.00*
97.094	801	1023	3.5	135	5.0	1.0	1.0	3.0	3.0	13.8*	1.96*
97.100	801	1026	3.0	135	5.0	1.0	1.0	3.5	3.0	11.7	1.51*
123.439	814	1021	4.0	109	5.0	1.0	2.0	2.5	3.0	4.5	1.45
133.226	825	1103	5.0	153*	5.0	1.0	2.0	3.0	2.5	11.5	1.04*
145.079	722	1023	2.5	95	1.0	1.0	2.0	2.0	2.0	17.4	1.63*

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
148.259	824	1109	5.0	145*	5.0	1.0	2.0	2.7	5.0	6.9	0.74
153.681	721	1025	3.0	132	1.0	2.0	2.0	2.5	2.5	14.1	1.39*
153.682	728	1024	3.5	135	5.0	1.0	1.0	3.5	3.0	14.3	0.89
159.093	721	1101	3.0	115	5.0	1.0	1.0	3.5	3.0	14.1	1.57*
159.094	813	1026	4.0	123	5.0	1.0	1.0	2.5	1.0	9.5	1.91*
159.095	814	1031	4.0	95	2.0	1.0	2.0	3.0	2.0	13.7*	1.48*
159.096	810	1028	2.5	80	4.0	1.0	1.0	3.2*	2.0	15.5*	1.18*
159.097	716	1011	4.0	109	4.0	1.0	2.0	2.7	3.0*	12.5	1.48*
159.922	824	1105	5.0	216+	5.0	1.0	1.0	3.2	3.0	11.3	1.25
159.924	816	1109	4.0	169	5.0	1.0	1.0	3.0	3.0*	14.8	1.35
159.925	810	1103	2.5	131	5.0	1.0	2.0	3.2	2.5	16.5	0.99*
159.926	823	1104	5.0	165+	5.0	1.0	2.0	2.5	3.5	9.5	0.92
159.927	821	1101	3.0	159*	1.0	1.0	1.0	3.5	3.0	13.8*	1.15*
164.885	903	1105	5.0	158*	2.0	1.0	1.0	2.7	—	6.7	0.46
165.563	821	1030	4.5	90	5.0	1.0	1.0	2.5	—	7.0	0.65
165.578	812	1024	3.0	115	4.0	1.0	1.0	2.5	—	14.9	1.70*
165.583	809*	1024	5.0	205+	5.0	1.0	1.0	3.0	—	4.9	0.45
165.671	801	1102	2.5	107	1.0	1.0	1.0	3.0	2.0	21.0	1.67*
165.674	809*	1025	4.5	146	1.0	1.0	1.0	2.5	2.0	10.0	1.42*
165.675	818	1025	4.0	100	1.0	1.0	1.0	2.7*	2.0	11.6	2.12*
165.676	811	1106	3.5	123	1.0	1.0	2.0	3.0	—	19.7*	1.42*
165.896	821	1031	5.0	107*	1.0	1.0	1.0	2.7	—	8.4	0.52
165.914	814	1014	5.0	74	5.0	1.0	3.0	2.7	4.0	4.6	0.68
165.926	812	1014	5.0	76	5.0	1.0	2.0	3.0	4.0	5.0	0.47
165.929	813*	1029	5.0	97	5.0	1.0	1.0	2.5	—	5.9	0.71
165.943	809	1022	3.0	122	1.0	1.0	2.0	2.5	—	15.6	1.36
165.947	812	1027	5.0	114	5.0	1.0	1.0	4.0	—	4.0	0.37
165.989	814	1014	5.0	71	5.0	1.0	1.0	3.0	4.0	4.5	0.68
166.028	813	1014	5.0	80	5.0	1.0	1.0	3.0	4.0	4.4*	0.69
166.032	811	1014	5.0	79	5.0	1.0	1.0	3.0	4.0	4.8	0.77*
166.048	811	1020	5.0	97	5.0	1.0	1.0	2.5	—	8.8	0.89
166.105	818	1102	4.5	100	5.0	1.0	1.0	2.5	—	6.7	1.05
166.140	814	1030	3.0	115	4.0	1.0	1.0	2.5	—	15.9	1.66
166.141	818	1105	3.5	126	5.0	1.0	2.0	2.5	—	14.7	1.12*
171.438	822	1030	4.5	130*	5.0	1.0	3.0	2.0	—	5.3	1.60
171.445	813	1022	4.0	100	1.0	1.0	1.0	2.5	2.0	12.3	1.90
171.446	813	1019	3.0	82	1.0	1.0	1.0	2.5	2.0	13.0	2.45*
171.451	825	1030	4.0	77*	1.0	2.0	4.0	3.0	3.0	7.6	1.51
174.853	813	1027	2.5	117*	4.0	1.0	1.0	2.5	—	15.5	1.64
174.854	824	1105	5.0	128*	5.0	1.0	1.0	3.5	—	4.2	0.12
174.855	812	1026	3.0	115*	4.0	1.0	1.0	2.5	—	16.4	1.89*
174.856	807	1023	2.0	102*	4.0	1.0	1.0	2.5	—	13.6	1.54
174.857	814	1030	3.0	130	5.0	1.0	1.0	3.0	—	12.3	0.95
174.858	804*	1023	1.5	105	4.0	1.0	1.0	2.5	—	16.5	1.77
174.859	823	1109	5.0	147*	5.0	1.0	1.0	2.5	—	5.5*	0.72
174.860	903	1109	5.0	157*	5.0	1.0	2.0	3.0	—	5.7	0.67
174.861	821	1105	5.0	126*	5.0	1.0	2.0	3.5	—	6.0	0.27
174.866	811	1028	5.0	104	5.0	1.0	2.0	3.2	—	4.1	0.47
174.867	903	1109	4.5	162*	5.0	1.0	2.0	3.0	—	8.7	0.54
174.868	812	1026	3.0	112	4.0	1.0	1.0	2.5	—	15.9	1.82*
175.175	828*	1109	5.0	142*	5.0	1.0	2.0	2.7	—	7.5*	0.21
175.176	828*	1103	5.0	178*	5.0	1.0	1.0	2.5	—	8.3*	0.68
175.177	828*	1103	5.0	145*	5.0	2.0	1.0	2.7	—	7.3	0.25
175.178	828*	1109	4.5	164*	5.0	1.0	1.0	2.5	—	5.0	0.60
175.179	903	1104	5.0	145	5.0	1.0	1.0	2.7	—	5.2	0.30
175.180	809	1020	5.0	140	5.0	1.0	1.0	3.0	—	5.0	0.39

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
175.181	812	1022	5.0	71	5.0	1.0	2.0	2.7	5.0	5.2	0.54
175.182	808	1030	5.0	130*	5.0	1.0	1.0	3.0	—	4.0	0.31
175.183	808	1017	5.0	127	5.0	1.0	3.0	3.0	—	5.5	0.29
175.184	903	1104	4.5	145	5.0	1.0	2.0	2.5	—	7.5	0.82
175.185	809	1019	5.0	300+	5.0	1.0	1.0	3.0	—	5.2	0.66
175.186	809*	1022	5.0	207+	5.0	1.0	1.0	3.0	—	5.0	0.71
175.188	816	1102	5.0	300+	5.0	1.0	1.0	3.2	—	3.8	0.07
175.190	828*	1103	5.0	155	5.0	1.0	1.0	2.5	—	5.4*	0.24
175.191	821	1031	5.0	300+	5.0	1.0	1.0	3.5	—	4.3	0.12
175.197	801*	1027	5.0	300+	5.0	1.0	1.0	3.5	—	3.9	0.32
179.935	812	1022	5.0	92	5.0	1.0	2.0	3.7	2.5	7.6	1.44*
180.051	811	1025	3.0	112	4.0	1.0	1.0	2.5	—	15.2	1.80*
180.445	816	1017	5.0	205+	5.0	1.0	1.0^	3.5	—	4.4*	0.68
181.560	723	1021	2.0	86	1.0	1.0	1.0	3.0	3.0	17.1	1.87*
181.564	727	1105	1.0	87	1.0	1.0	1.0	2.5	—	33.3*	1.16*
181.565	725	1028	3.0	82	1.0	1.0	1.0	3.0	1.5	29.7*	1.99*
181.566	801	1029	3.0	95	1.0	1.0	1.0	2.7	2.0	19.4	1.78*
181.567	802*	1105	3.0	96	1.0	1.0	1.0	3.0	2.5	15.9	1.81*
181.568	729	1027	3.0	107	1.0	1.0	1.0	2.5	1.5	15.5	2.96*
181.569	729*	1101	2.0	94	1.0	2.0	1.0	2.5	—	28.6*	1.27*
181.696	824	1103	5.0	173+	5.0	1.0	1.0	2.5	—	5.2	0.68
181.697	824	1104	4.5	148*	5.0	1.0	3.0	2.5	—	6.1	0.70
181.698	824	1109	4.5	125	5.0	1.0	1.0	2.5	5.0	5.7	0.81
183.900	828*	1111	4.0	133	5.0	1.0	2.0	3.2	3.0	8.3	0.46
183.929	828	1103	5.0	126	5.0	1.0	1.0	2.2	3.5	10.8	0.87
183.930	814	1028	3.5	110	4.0	1.0	1.0	2.5	—	16.0	1.65*
187.154	718	1030	2.0	79	1.0	1.0	3.0	3.0	—	32.7*	1.33*
189.402	826	1105	4.5	132	5.0	1.0	1.0	2.5	—	7.7	0.79
192.867	814	1024	4.0	210+	5.0	1.0	1.0	3.0	3.0	8.0	0.74
192.868	805*	1105	4.0	97*	5.0	2.0	3.0	3.0	3.5	10.6	0.86
192.869	821	1027	4.5	225+	5.0	1.0	2.0	3.0	—	5.5	0.59
192.870	803*	1024	4.0	137*	5.0	1.5	2.75	2.5	5.0	6.8	0.52
192.871	821	1029	4.0	130	5.0	1.0	1.0	3.0	4.0	9.6	1.33
192.872	803*	1019	4.0	105	5.0	2.0	4.0	2.5	5.0	7.1	0.46
192.873	828	1024	5.0	125*	5.0	1.0	2.0	2.5	5.0	6.5	0.46
192.874	801	1017	4.0	125*	5.0	2.0	4.0	2.5	—	7.8	0.58
194.773	903	1111	4.5	137*	5.0	1.0	1.0	2.5	—	7.7	0.72
197.182	903	1111	4.0	152*	5.0	1.0	1.0	2.5	3.0	11.4	1.24*
198.078	812	1019	2.5	77	1.0	1.0	2.0	2.2	2.0	12.7	2.08
200.445	812	1107	2.0*	110	1.0	1.0	1.0	2.0	3.0	14.8	1.90*
200.448	803*	1021	1.0	99	1.0	1.0	1.0	2.2	2.5	17.4	1.60*
200.451	809	1104	2.5	105	1.0	1.0	2.0	3.0	2.5	17.1	2.06
200.452	827	1107	4.0	120*	1.0	2.0	1.0	2.7	4.0	13.4	1.25*
200.454	827	1101	3.0	132	1.0	1.0	1.0	2.7	3.0	13.4	1.24*
200.455	812	1104	3.0	112	1.0	2.0	2.0	3.0	2.0	19.4	1.65*
200.456	809	1110	3.5	106	1.0	2.0	2.0	2.5	—	23.0	1.54
200.459	816	1105	5.0	122*	1.0	1.0	1.0	2.5	—	8.7	1.28
200.462	731*	1102	3.0	105	1.0	1.0	2.0	2.5	2.5	15.9	2.23*
200.464	825	1102	5.0	220+	5.0	2.0	1.0	2.5	4.5	14.1	1.17
200.465	825	1107	4.0	102	1.0	1.0	1.0	2.0	3.0	12.1	1.79*
200.466	825	1102	3.0	120	1.0	2.0	2.0	2.5	3.5	11.3	1.87*
200.469	806	1024	1.0	85	1.0	1.0	1.0	2.5	2.5	26.2*	1.88*
200.474	811	1105	4.0	132	5.0	1.0	1.0	2.5	4.0	11.3	1.34*
200.475	728	1021	4.0*	142*	1.0	1.0	1.0	2.5	—	23.8	1.62*
200.476	812	1102	3.0	125	5.0	2.0	1.0	2.5	1.5	13.5	1.82*
200.477	821	1103	4.0	110*	1.0	2.0	1.0	3.0	3.5	9.5	0.91

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
200.484	816	1105	4.0	107	5.0	2.0	1.0	3.0	3.0	10.8	1.22
200.486	822	1105	5.0	147	5.0	2.0	1.0	2.5	3.0	8.8	0.85
200.487	903	1112	4.0	142	5.0	1.0	1.0	2.7	3.5	10.0	1.18*
200.488	824	1106	4.0	126	1.0	2.0	1.0	2.7	3.0	11.6	1.37*
200.491	808	1102	3.0	107	1.0	1.0	2.0	2.5	3.0	11.7	1.84
200.492	728	1031	4.0	99	1.0	1.0	1.0	2.7	2.0*	19.5	2.24*
200.493	810	1030	3.5	92	1.0	1.0	1.0	2.5	3.5	18.7	1.79*
200.494	823	1105	4.0	145	5.0	1.0	2.0	3.0	2.5	16.6	1.16
200.498	825	1101	4.0	127	5.0	1.0	3.0	2.0	—	21.1	2.05
200.500	806	1102	3.0	118	1.0	1.0	2.0	2.5	2.5	19.2	1.69*
200.506	802*	1029	3.0	97	1.0	2.0	1.0	3.0	2.0	20.6*	1.82*
200.507	801	1105	2.0	103	1.0	1.0	1.0	2.5	1.5	23.0	1.96
200.509	809*	1105	3.0	112	1.0	1.0	1.0	2.5	2.5	18.3	2.38*
200.515	824	1104	5.0	154	5.0	1.0	1.0	3.0	—	12.8	1.38
200.516	814	1107	4.0	120	5.0	1.0	1.0	3.0	3.0	17.7	1.73*
200.521	902	1116	4.0	121*	1.0	1.0	1.0	3.0	2.5	13.8	1.23*
200.523	826	1109	4.0	120	5.0	1.0	1.0	2.5	3.5	9.7	0.63
200.524	820	1105	3.5	97	1.0	2.0	2.0	2.5	5.0	10.9	1.57*
200.525	821	1105	3.5	100	1.0	1.0	2.0	2.5	4.0	11.4	1.81*
200.526	821	1105	4.0	114*	1.0	1.0	2.0	3.0	2.0	14.2	1.36*
200.527	801*	1028	2.0	85	1.0	1.0	1.0	3.0	3.0	20.1	1.86*
200.528	801*	1104	2.0	102	1.0	1.0	1.0	3.0	2.5	22.1	1.80*
200.529	728	1030	2.5	81	1.0	1.0	1.0	2.7	3.0	24.9*	1.86*
200.530	726	1021	2.5	95	1.0	1.0	1.0	3.0	1.5	22.6	2.12*
200.531	810	1105	2.5	90	1.0	1.0	1.0	3.5	3.5	19.1	2.15
200.532	901	1110	4.0	145*	1.0	1.0	1.0	3.0	4.0	12.7	1.27
200.538	801	1105	4.0	105	1.0	1.0	1.0	3.2	2.5	21.8*	1.57*
200.539	809*	1102	2.0	109*	1.0	1.0	2.0	2.7	2.5	14.9	1.59*
200.542	730	1101	2.5	100	4.0	1.0	1.0	3.0	2.5	14.6	1.98*
200.543	809*	1101	2.0	105	1.0	1.0	1.0	2.7	2.5	22.4	1.52
200.544	723	1102	3.0	97	1.0	1.0	1.0	3.0	—	38.9*	1.75*
200.547	823	1112	3.0	112	1.0	1.0	2.0	2.5	4.0	18.1	1.30*
200.549	823	1107	4.0	100*	1.0	1.0	1.0	2.5	3.5	11.7	1.66
200.550	818*	1104	3.0	94	1.0	1.0	1.0	3.0	2.5	15.2	1.81*
200.551	821	1105	4.0	117	1.0	1.0	1.0	2.7*	3.0	11.5	0.91*
200.832	727	1029	2.0	110	1.0	1.0	1.0	2.5	1.0	15.0	2.91*
201.423	720	1013	4.0	110*	5.0	1.0	1.0	2.5	—	13.7	1.96
203.398	828*	1103	5.0	130	1.0	1.0	1.0	2.2	2.5	10.9	1.60*
203.399	829	1109	4.0	177	5.0	1.0	1.0	3.0	2.5	13.0	1.24
203.400	824	1105	4.5	192*	5.0	1.0	1.0	2.7	2.0	14.3	1.41
203.402	821	1104	4.0	138*	5.0	1.0	1.0	3.0	3.0*	13.1	1.78*
203.403	828	1109	4.0	134	3.0	1.0	2.0	3.0	3.5	15.2	1.05*
203.404	716	1010	5.0	140	4.0	1.0	1.0	2.7	2.0	15.1	2.11
203.405	824	1109	5.0	127	4.0	1.0	1.0	2.7	3.5	14.3	0.92
203.406	828*	1103	4.5	148*	5.0	1.0	1.0	2.7	3.5	11.1	1.39*
204.331	822	1103	4.0	157	5.0	1.0	1.0	3.2	2.5	9.0	0.80*
204.332	826	1105	4.0	158*	5.0	2.0	2.0	3.5	2.0	11.7	0.69*
204.333	829	1104	5.0	156	5.0	2.0	2.0	3.5	3.0	9.7	0.85
204.334	823	1104	4.0	144	5.0	1.0	1.0	2.5	3.5	9.0	0.71
204.335	823	1104	4.0	162*	5.0	2.0	1.0	2.7	4.0	7.1	0.48
204.336	821	1104	4.0	157*	5.0	1.0	2.0	2.7	3.5	8.5	1.33
204.337	827	1104	5.0	179+	5.0	1.0	2.0	2.2	4.0	7.4	0.76
204.338	821	1025	4.0	122*	5.0	1.0	2.0	2.7	3.0	10.2	1.50
204.339	821	1023	4.0	176*	5.0	1.5	1.0	3.0	3.5	9.4	1.16
204.340	824	1108	5.0	166*	5.0	1.5	2.0	2.5	—	6.5	0.73
205.083	720	1021	3.5	80	1.0	1.0	1.0	2.5	2.5	21.2	1.42*

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
205.899	828*	1109	4.0	186	5.0	1.0	1.0	2.7	—	7.7	0.72
205.903	824	1104	4.0	169*	5.0	1.0	1.0	3.2	3.5	9.0	1.28
205.906	821	1029	4.0	129*	5.0	1.0	3.0	2.5	3.0	9.5	1.46
205.907	824	1109	4.0	170*	5.0	1.0	2.0	2.7	3.0	8.1	0.44
205.908	824	1109	3.5	195	5.0	1.0	2.0	2.2	3.5	8.2	0.90
205.909	803*	1103	4.0	143	5.0	1.0	1.0	2.5	5.0	9.5	1.10
205.911	810*	1109	4.0	139*	5.0	1.0	1.0	3.0	4.0	7.5	0.70
205.912	824	1109	4.0	163	5.0	1.0	1.0	2.7	4.0	6.8	0.75
205.913	824	1104	5.0	152*	5.0	1.0	2.0	2.5	—	6.0	0.75
205.914	823	1103	4.0	150	5.0	1.0	1.0	3.0	5.0	8.3	0.87
205.915	811	1103	4.0	145	5.0	2.0	1.0	2.5	—	7.6	0.81*
206.258	803*	1105	3.5	139*	5.0	1.0	1.0	3.0	4.0	13.7	1.41
208.203	803*	1101	4.0	133	5.0	1.0	2.0	3.2	5.0	12.9	1.26
208.204	823	1029	5.0	134*	5.0	2.0	2.0	3.0	5.0	6.9	0.50*
208.429	821	1101	3.0	158*	5.0	1.0	1.0	2.5	—	10.7	1.28*
208.430	821	1103	5.0	127*	5.0	1.0	1.0	2.7	—	6.8	0.50
208.431	814	1027	3.0	127*	5.0	1.0	2.0	2.5	—	16.9	1.90*
208.433	814	1027	3.0	122	5.0	1.0	1.0	2.5	—	16.9	2.14*
208.434	824	1102	3.0	124	5.0	1.0	1.0	2.5	4.0	11.6	0.97
208.435	902	1108	5.0	169	5.0	1.0	1.0	2.7	—	7.9	0.75
208.437	826	1027	5.0	137*	5.0	1.0	1.0	3.0	—	10.6	1.14
208.438	814	1028	2.5	125	5.0	1.0	1.0	2.5	—	14.2	1.65*
208.439	829	1109	4.0	141*	5.0	1.0	2.0	2.5	—	7.2	0.73
208.782	810	1028	3.0	102	1.0	1.0	1.0	2.5	3.0	17.8	1.71*
208.783	814	1029	5.0	130*	5.0	1.0	1.0	3.2	3.0	12.7	0.90
208.784	814	1107	3.5	83	1.0^	1.0	1.0	2.5	3.0*	19.9*	1.77*
208.785	826	1101	5.0	165*	5.0	1.0	1.0	3.5	4.0	7.9*	0.90*
208.788	809*	1103	5.0	132*	1.0	2.0	1.0	3.0	2.5	16.6	1.34*
208.789	716	1019	2.0	81	1.0	1.0	3.0	2.5	1.5	19.9	1.76*
209.340	902	1104	5.0	129*	5.0	1.0	1.0	2.7	3.5	8.4	0.93
209.577	829	1104	4.0	128	5.0	1.0	1.0	3.0	3.0	9.9	1.14
209.578	821	1029	4.0	128	5.0	1.0	1.0	3.0	3.0	9.5	1.48*
209.833	824	1109	4.0	129	5.0	1.0	1.0	2.7	3.5	9.4	0.93
209.836	814	1027	3.0	120	5.0	1.0	2.0	2.5	—	14.4	1.62
209.837	823	1104	4.0	113*	5.0	1.0	1.0	2.5	2.0	10.1*	1.38
210.178	819	1104	5.0	156	5.0	1.0	1.0	2.0	—	6.4	0.96
210.348	814*	1029	5.0	133	5.0	1.0	1.0	3.5	2.5	10.9	1.47
210.349	904	1111	4.0	207*	5.0	1.0	2.0	2.0	—	6.2	0.71
210.352	806	1026	4.0	113*	1.0	1.0	1.0	2.5	1.0	14.0	1.86
210.353	805	1027	3.5	120	5.0	1.0	2.0	3.0	2.5	14.5	1.66
215.755	904	1109	5.0	192	5.0	1.0	1.0	2.2	—	7.8*	0.92
219.652	823	1029	4.0	223+	5.0	1.0	1.0	2.5	—	5.8	0.67
219.653	824	1109	4.0	132*	5.0	1.0	1.0	3.0	5.0	5.8	0.71
219.654	819	1025	4.0	174*	5.0	2.0	3.0	3.2	3.5	8.8	0.82
219.655	823	1031	5.0	133*	5.0	2.0	1.0	2.5	—	6.2	0.73
221.715	801*	1030	2.5	105	1.0	1.0	1.0	3.5	3.5	19.4	1.32*
221.716	721	1015	2.5	94	1.0	1.0	2.0	3.0	2.5	13.0	1.58*
222.546	816	1103	3.0	212+	1.0	1.0	1.0	2.5	3.5	10.3	1.43*
222.547	902	1104	4.0	144	4.0	1.0	1.0	3.2*	2.5	11.3	1.03*
222.548	828*	1104	4.0	159*	5.0	1.0	1.0	2.7	2.5	10.7	1.13*
222.550	824	1104	4.0	134*	5.0	1.0	1.0	2.0	—	11.0	0.99
224.268	821	1111	4.0	86	1.0	1.0	2.0	3.0	2.5	14.6	1.52
224.269	816	1101	4.5	147*	5.0	1.0	1.0	2.0	—	6.5	1.65
224.270	814	1101	2.5	98	1.0	1.0	1.0	2.0	4.0	14.6	1.60
224.273	807	1101	2.0	78	1.0	1.0	1.0	2.5	3.0	15.1	1.88*
227.219	807*	1029	2.0	92	1.0	1.0	1.0	3.5	3.0	18.0	2.07

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
227.221	809	1103	2.5	85	1.0	1.0	1.0	2.7	4.0	11.9	1.55*
227.222	809	1101	3.0	82	1.0	1.0	1.0	3.0	4.0	20.0	2.47*
227.224	729	1020	1.0	38	1.0	1.0	1.0	2.5	2.5	15.3	0.53
227.687	823	1029	5.0	180*	5.0	1.0	1.0	2.5	4.5	6.0	0.88*
228.056	821	1104	2.0	107*	1.0	1.0	1.0	2.7	2.0	14.4	1.64*
228.065	727	1103	2.0	94	1.0	1.0	1.0	2.5	2.0	21.7	1.84*
229.321	823	1030	5.0	252+	5.0	1.0	2.0	2.7*	3.0	9.7	1.76
229.358	813	1101	4.0	81	1.0	1.0	1.0	2.0	2.0	7.3	1.36*
230.970	819	1101	3.0*	109*	5.0	1.0	1.0	3.0	4.5	7.4	0.49
230.971	826	1111	3.0	146*	5.0	1.0	1.0	3.2	3.0	12.9	0.50
230.972	727	1105	2.5	76	1.0	1.0	1.0	2.5	—	24.2	1.79*
230.973	811	1031	4.0	143	1.0	2.0	1.0	2.2	2.0	18.4	2.12*
230.975	823	1105	3.0	84	1.0	1.0	1.0	2.5	—	18.6	1.48*
230.977	809*	1030	2.0	95	1.0	1.0	1.0	2.5	—	26.6	2.07*
230.980	729	1027	1.5	70	1.0	1.0	1.0	3.0	3.0	26.4*	2.39*
230.981	724	1102	5.0	94	1.0	2.0	2.0	2.7	—	25.9	1.55*
239.235	823	1106	5.0	203	2.0	1.0	1.0	3.0	4.0	7.1	0.61
239.237	823	1106	5.0	165*	2.0	1.0	2.0	2.5	—	6.6	0.79
240.665	823	1106	5.0	185*	5.0	1.0	1.0	2.7	—	9.1	1.03*
240.666	823	1105	3.5	161	5.0	1.0	1.0	3.0	3.0	11.2	1.14*
240.671	823	1103	2.5	162	5.0	1.0	1.0	2.2	3.0	13.5	1.21
240.672	819	1109	3.0	163	5.0	1.0	2.0	2.7	3.0	16.4	1.25*
241.424	823	1103	5.0	131*	5.0	2.0	1.0	2.7	5.0	7.4*	1.07
245.007	823	1111	4.0	155	5.0	1.0	2.0	3.5	3.0	8.5	0.34
245.008	728*	1105	4.0	155*	5.0	1.0	1.0	3.2	3.5	8.5	0.83*
247.678	821	1101	5.0	125	5.0	1.0	1.0	3.0	4.0	9.3	0.79
247.679	902	1104	5.0	182*	5.0	2.0	1.0	2.5	—	7.3	1.06
248.510	726*	1103	2.0	104	1.0	1.0	1.0	3.5	1.0	32.8*	1.51*
253.657	821	1101	5.0	205	5.0	1.0	2.0	2.5	—	12.7	1.36
255.734	814	1019	3.0	84	1.0	1.0	1.0	2.0	3.0	13.5	1.89*
256.376	814	1022	3.0	106	1.0	1.0	1.0	2.5	3.0	11.8	1.91*
259.538	823	1104	5.0	157*	5.0	1.0	2.0	2.7	—	8.8*	0.73
259.539	823	1109	4.0	159	5.0	1.0	1.0	3.0	5.0	6.0	1.04
259.540	828*	1109	5.0	216*	5.0	1.0	2.0	2.5	—	8.9*	0.91*
259.543	823	1104	4.5	144	5.0	1.0	1.0	3.0	5.0	6.0	0.97
262.180	821	1104	4.5	150	5.0	1.0	1.0	2.5	3.0	11.1	1.40
263.044	823	1104	3.5	169*	5.0	1.0	1.0	1.7	2.0	9.6	1.63
265.491	827	1109	4.5	185*	5.0	1.0	1.0	2.5	—	6.8	0.95
265.497	821	1031	3.0	149*	5.0	1.0	1.0	3.0	3.0	9.0	1.13
265.498	824	1101	3.5	172*	5.0	1.0	2.0	3.2*	2.5	9.7	1.37
274.506	823	1112	3.5	140*	5.0	1.0	2.0	2.5	—	6.5	0.52
274.507	824	1110	4.0	141	5.0	1.0	2.0	3.0	3.0	8.2	0.94
279.081	716	1010	4.0	104	4.0	1.0	2.0	2.5	5.0	11.7	1.58*
279.088	823	1109	4.0	159	5.0	1.0	1.0	3.2	4.0	6.8	0.65
281.885	814	1018	4.0	114	2.0	1.0	1.0	2.2	3.0	7.6	0.91
281.888	902	1111	4.0	121	5.0	1.0	1.0	3.0	4.5	7.7	0.67
281.889	814	1021	4.0	142	5.0	1.0	1.0	2.5	3.0	7.3	0.51
281.904	827	1107	4.0	209*	5.0	1.0	2.0	2.7	5.0	7.1	0.52
283.326	902	1102	4.0	197	5.0	1.0	1.0	2.7	3.0	6.0	1.06
283.328	828*	1109	4.0	151*	5.0	1.0	2.0	2.7*	3.0	7.9	1.07
284.814	824	1101	4.0	161*	5.0	1.0	1.0	2.0	—	7.1	1.40*
284.873	824	1109	5.0	164	5.0	2.0	1.0	2.5	—	6.7	1.02
285.090	902	1116	5.0	140*	5.0	1.0	1.0	3.7*	3.5	11.9*	0.57
285.091	823	1104	3.0	127*	5.0	1.0	1.0	3.5	3.0	14.4	1.13*
285.092	725	1102	3.0	143*	5.0	1.0	2.0	3.2	2.5	12.9*	1.44*
285.093	813	1026	4.0	140	5.0	1.0	1.0	2.7	2.0	13.3	1.84

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
285.094	821	1106	4.0	162	5.0	1.0	1.0	3.7	3.0*	10.2*	0.93*
285.095	828*	1111	3.5	164*	5.0	1.0	1.0	2.0	2.0	9.6	0.78
307.836	815	1029	5.0	140*	5.0	1.0	1.0	2.2	—	5.7	0.23
307.881	818	1101	5.0	132*	5.0	1.0	2.0	2.5	—	5.2	0.40
309.658	823	1104	4.5	160*	5.0	1.0	2.0	2.0	—	5.9	0.64
310.439	717*	1010	1.0	84	1.0	1.5	2.0	2.2	2.5	13.9	1.40*
310.441	811	1020	3.5	170*	5.0	1.0	2.0	2.5	2.5	10.4	1.18
315.701	801*	1008	4.5	133	5.0	1.0	1.0	2.5	—	5.4*	1.47*
319.526	823	1103	4.0	135*	5.0	1.0	3.0	3.0	4.5	9.7	0.94
319.533	823	1104	4.0	140	5.0	1.0	2.0	3.2*	3.0	8.6	1.14
322.689	814	1029	4.0	230*	5.0	1.0	1.0	2.5	1.5	14.7	2.29
322.690	823	1031	5.0	137	5.0	1.0	1.0	2.5	1.5	10.7	1.32
323.275	716	1014	4.0	116	5.0	1.0	1.0	2.5	4.0	7.6	0.85
323.276	801*	1017	4.0	82	5.0	1.0	1.0	3.0	—	4.5*	0.56
323.550	730*	1019	5.0	117*	5.0	1.0	1.0	2.5	—	7.7*	0.59
323.551	821	1023	5.0	127*	5.0	1.0	2.0	2.5	—	5.6	0.56
323.552	804*	1018	5.0	120	5.0	1.0	2.0	2.7	—	5.7	0.43
323.553	804*	1104	5.0	73	5.0	1.0	2.0	2.5	—	8.4	0.93*
323.554	804	1019	5.0	150	5.0	1.0	1.0	3.2	—	4.6	0.57
323.557	823	1018	4.0	134	5.0	1.0	1.0	2.5	—	8.0	1.16
323.558	801*	1019	5.0	150*	5.0	1.0	1.0	3.5	—	4.8	0.65
323.559	808	1025	5.0	100	5.0	1.0	2.0	2.5	—	5.9	0.75
323.560	813	1029	4.0	139	5.0	1.0	1.0	2.7	—	6.9	0.84
323.561	809*	1025	5.0	110	5.0	1.0	2.0	2.5	—	5.4*	0.63
323.562	816	1014	5.0	140*	5.0	1.0	1.0	2.5	—	5.6	0.42
323.564	902	1106	5.0	195	5.0	1.0	1.0	2.5	—	8.1	1.08
323.565	823	1019	4.0	161+	5.0	1.0	1.0	2.7	—	8.8	0.68
323.567	902	1109	5.0	171*	5.0	1.0	1.0	2.7	—	8.0	0.84
323.568	809*	1025	5.0	151*	5.0	1.0	1.0	3.0	—	6.4	0.49
323.569	823	1019	5.0	107*	4.0	1.0	1.0	2.0	—	8.3	0.88
323.570	816	1020	4.0	110	4.0	1.0	1.0	2.7	—	8.9	0.79*
323.572	802*	1021	5.0	180*	5.0	1.0	2.0	3.0	—	5.2	0.31
323.573	806	1025	5.0	146*	5.0	1.0	2.0	3.0	—	5.4*	0.27
323.574	816	1102	4.5	229*	5.0	1.0	2.0	2.5	—	8.9	0.88*
323.575	809	1103	5.0	100*	5.0	1.0	1.0	2.7	—	5.1	0.56
323.578	823	1029	5.0	177	5.0	1.0	1.0	3.0	—	4.9	0.52
323.579	823	1029	5.0	149*	5.0	1.0	1.0	3.0	—	5.2	0.46
324.067	816	1029	5.0	171	5.0	1.0	2.0	3.0	1.5	14.4	1.64
324.068	823	1104	4.0	130	5.0	1.0	1.0	2.0	2.5	9.2	0.96
324.189	821	1101	4.5	255*	5.0	1.0	1.0	2.5	2.0	13.2	1.58
324.190	809	1031	5.0	160*	5.0	1.0	2.0	2.5	2.0	13.4	1.05
326.578	827	1104	4.0	135	5.0	1.0	1.0	1.7	—	5.1	0.69*
330.633	721	1015	4.0	140	4.0	1.0	1.0	2.5	2.0	14.5	1.65
330.634	807*	1019	3.0	82	1.0	1.0	1.0	3.2	2.5	19.9	1.38*
330.635	804	1023	3.0	150	5.0	1.0	1.0	3.0	5.0	13.6	1.51*
331.793	902	1106	4.0	178*	5.0	1.0	1.0	3.0	3.0	10.5	0.88*
331.794	728	1015	3.0	95*	2.0	3.0	1.0	2.5	3.5	12.2	0.81*
331.795	821	1031	4.0	156	5.0	1.0	1.0	2.2*	3.0	10.4	1.17
341.252	902	1117	3.5	130	5.0	1.0	1.0	3.7	3.0	14.9	0.77
346.298	724	1019	3.0	120	1.0	1.0	1.0	2.0	2.0	13.3	2.47*
346.300	824	1029	4.0	120*	1.0	1.0	1.0	2.5	2.0	13.2	2.00*
346.302	812	1021	3.0	97*	1.0	1.0	1.0	2.0	2.0	13.7	2.51*
346.304	824	1029	5.0	128*	5.0	1.0	2.0	3.0	3.5	9.3	1.30
346.305	821	1018	3.5	154	4.0	1.0	3.0	2.5	2.5	11.0	1.91*
374.154	904	1109	4.0	139*	5.0	1.0	2.0	2.5	—	8.2	0.48
374.155	904	1109	5.0	180+	5.0	1.0	1.0	2.7	—	6.9*	0.51

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
374.156	904	1109	5.0	129	5.0	1.0	1.0	2.7	—	8.1	0.75
374.157	902	1109	4.5	124	5.0	1.0	1.0	3.0	—	6.7	0.45*
374.158	828*	1109	4.5	150	5.0	1.0	2.0	2.7	—	7.5	0.62
374.159	902	1109	4.5	137	5.0	2.0	1.0	3.0	—	6.2	0.62
374.160	902	1109	4.5	122	5.0	1.0	1.0	2.7	—	8.5	0.98*
374.161	902	1109	4.5	162+	5.0	1.0	1.0	2.7	—	7.4	0.73*
374.162	902	1109	4.5	137	5.0	1.0	2.0	2.7	—	7.2	0.69*
374.163	902	1109	4.5	174	5.0	1.0	1.0	2.5	—	6.8	0.67*
374.164	902	1109	4.5	173*	5.0	1.0	1.0	2.5	—	6.7	0.72*
374.165	902	1109	4.5	174*	5.0	1.0	1.0	2.7	—	6.3	0.52*
374.166	902	1109	5.0	173*	5.0	1.0	1.0	2.5	—	9.0*	0.67*
374.167	902	1109	4.5	173	5.0	1.0	1.0	2.5	—	8.5*	0.55
374.168	902	1109	4.5	147*	5.0	1.0	2.0	2.5	—	7.0	0.57*
374.169	903	1109	4.5	138*	5.0	1.0	1.0	2.5	—	6.3	0.63
374.171	903	1109	5.0	180*	2.0	1.0	1.0	2.5	—	6.6	0.58
374.172	902	1109	5.0	180*	5.0	1.0	2.0	2.5	—	7.4	0.71
374.173	903	1109	5.0	184+	5.0	1.0	1.0	2.5	—	7.4	0.54*
374.174	903	1109	4.5	163*	5.0	1.0	1.0	2.5	—	6.9	0.98*
374.175	903	1109	4.5	145*	5.0	1.0	1.0	2.7	—	6.5	0.56*
374.176	903	1109	4.5	168*	5.0	1.0	1.0	2.7	—	8.4*	0.76*
374.177	903	1109	5.0	162*	5.0	1.0	1.0	2.5	—	7.0	0.74
374.178	901	1109	4.5	185*	5.0	1.0	2.0	2.5	—	7.3	0.58
374.179	902	1109	4.5	201	5.0	1.0	2.0	2.7	—	7.6	0.81
374.180	824	1109	4.5	161	5.0	1.0	1.0	2.7	—	8.1	1.13*
374.181	828*	1109	4.5	178*	5.0	1.0	1.0	2.7	—	7.8	0.84*
374.182	902	1109	4.5	185*	5.0	1.0	1.0	2.7	—	7.8	0.88*
374.183	905	1109	5.0	156*	5.0	1.0	2.0	2.7	—	7.5	0.66*
374.184	903	1110	4.5	167*	5.0	1.0	1.0	2.7	—	6.8	0.81*
374.186	901	1109	4.5	168*	2.0	1.0	1.0	2.7	—	7.2	0.73*
376.069	816	1103	3.0	139	5.0	1.0	1.0	2.2	—	11.7	1.06
376.070	818	1103	4.0	155*	5.0	1.0	1.0	2.5	—	10.0	0.60
376.844	814	1103	4.0	168*	5.0	2.0	1.0	2.0	3.0	10.0	1.31
376.845	821	1110	4.0	152*	5.0	1.0	1.0	3.0	3.0	13.4*	0.81*
377.573	814	1019	4.0	170	4.0	1.0	1.0	2.7	2.5	10.3	1.63
377.578	814	1030	4.0	165	5.0	1.0	1.0	2.0	2.0	9.3	1.44
379.619	726	1102	4.0	161*	5.0	1.0	2.0	3.5	3.5	12.6	1.00*
379.623	823	1112	3.5	162	5.0	1.0	1.0	3.0	3.0	14.6*	0.83*
381.657	817	1025	3.0	131	5.0	1.0	3.0	3.7	3.0	9.5	0.48
381.660	726	1027	3.0	136	5.0	1.0	2.0	2.5	2.0	15.0	1.80*
381.661	810	1031	3.0	138	5.0	2.0	3.0	3.0	3.0	14.0*	0.91*
381.672	730*	1020	3.5	121	4.0	1.0	2.0	2.5	1.0	14.8	2.07
381.680	820	1030	4.0	124	5.0	1.0	2.0	3.2	3.5	5.9*	0.82
381.681	814	1027	3.5	103	1.0	1.0	2.0	2.7	2.0	11.5	1.91
381.682	808	1027	3.0	136	5.0	1.0	4.0	2.5	2.5	14.7	1.23*
393.542	823	1103	4.0	127*	5.0	2.0	2.0	2.5	—	11.5*	0.73
393.543	823	1109	4.0	145*	5.0	1.0	1.0	2.5	—	7.0	0.73
393.544	823	1109	4.0	126	5.0	1.0	2.0	2.5	—	6.6	0.72
393.545	823	1109	5.0	139*	5.0	1.0	1.0	2.5	—	7.3	0.72
393.546	823	1109	4.0	219+	5.0	1.0	2.0	2.5	—	6.9*	0.62
393.547	823	1109	5.0	152	5.0	1.0	1.0	2.5	—	6.8	0.92
393.548	823	1109	5.0	149	5.0	1.0	2.0	2.5	—	7.5*	0.94
393.549	823	1109	4.0	166*	5.0	1.0	1.0	2.5	—	7.5	0.85*
393.550	823	1109	4.0	158	5.0	2.0	2.0	2.5	—	6.7	0.73
393.565	814	1103	4.0	192*	1.0	2.0	1.0	2.5	3.0	9.3	1.02
407.766	902	1102	2.5	125	5.0	1.0	2.0	3.5	4.0	9.9	0.54
407.769	902	1103	2.5	115*	5.0	1.0	2.0	3.7	4.0	11.7	0.79

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
408.051	725	1102	1.0	98	1.0	1.0	2.0	3.2	—	29.7*	1.49*
416.764	821	1102	2.0	90	1.0	2.0	2.0	3.0	3.5	20.2	1.53
416.770	726	1021	2.0	69	1.0	1.0	2.0	2.2*	2.0	24.5*	1.81
416.775	727*	1027	2.0	84*	1.0	1.0	2.0	2.5	1.0	27.1	2.59*
416.806	817	1031	2.5	100*	1.0	1.0	1.0	2.0	2.0	7.2	1.89*
416.813	727*	1024	3.0	81	1.0	1.0	1.0	2.5	—	30.6	1.69*
416.824	720*	1021	2.0	68	1.0	2.5	2.0	2.2	—	17.6	1.72*
416.867	721*	1019	1.0	77	1.0	2.0	2.0	2.2	2.5	17.1	2.02*
416.881	801	1101	2.5	103	1.0	1.0	2.0	3.2	2.5	20.1*	1.22
416.883	722	1017	2.0	83	1.0	2.5	3.0	2.5	2.5	19.2	1.65*
416.886	810	1101	2.5	87	1.0	1.0	1.0	2.2	—	11.1	1.78*
416.893	805	1022	2.5	87	1.0	1.0	2.0	2.5	1.5	25.4	1.68*
416.928	727	1029	3.0	95	1.0	1.0	2.0	3.0	—	28.3*	1.64*
416.935	810	1102	2.0	91	1.0	2.0	1.0	3.2	4.0	13.2	1.40
416.947	715	1030	3.5	138*	1.0	2.0	4.0	3.7	2.5	31.0*	1.42*
416.948	724*	1029	2.5	91	1.0	2.0	2.0	2.7	2.0	25.7*	2.33*
416.949	802	1031	2.0	79*	1.0	2.0	2.0	3.2	2.0	16.2*	1.13
416.980	729*	1027	2.0	93	1.0	—	1.0	2.2	1.5	22.8	1.91*
417.009	821	1102	3.5	139*	5.0	1.0	2.0	2.5	—	7.9	1.31*
417.013	827	1102	3.0	109*	1.0	2.0	1.0	3.2	3.5	8.9	0.73
417.047	722*	1019	2.0	85	1.0	3.0	3.0	3.7*	1.0	32.5*	1.16*
417.061	821	1029	3.5	92*	1.0	2.0	1.0	2.2	2.0	6.8	1.28*
417.063	817	1021	2.0	109	1.0	1.0	4.0	2.2	2.0	17.1	2.24*
417.112	808	1018	2.0	106	1.0	2.0	4.0	2.2	2.0	17.9	1.83
417.113	724*	1018	3.5	96	1.0	1.5	4.0	2.0	3.0	16.0	1.96
417.115	823	1027	3.0	116*	1.0	1.0	3.0	2.2	2.0	14.3	1.73*
417.116	805*	1025	3.0	101	1.0	1.0	2.0	2.7	3.0	17.0	1.63*
417.117	809*	1103	2.0	87	1.0	2.0	1.0	3.2	3.0	19.0*	1.92*
417.119	810	1029	3.0	109*	1.0	1.0	1.0	3.2	2.0	14.5	1.14
417.120	810	1101	4.0	134*	5.0	1.0	1.0	3.2*	2.0	8.4	1.35
417.122	810	1029	2.5	78	1.0	1.0	2.0	2.2*	1.0	20.7	2.15*
417.123	810	1102	2.0	109*	1.0	2.0	1.0	3.0	1.0	21.2	1.77
417.124	816	1103	2.0	76	1.0	1.0	1.0	3.2	1.5	19.4*	1.75*
417.125	727	1029	2.0	93	1.0	1.0	2.0	2.5	2.5	14.9	1.47
417.127	823	1025	4.5	130*	5.0	1.0	2.0	3.0	2.5	11.5	1.36*
417.128	808	1029	1.5	85	1.0	1.0	4.0	3.0	2.5	20.5	1.93*
417.130	826*	1103	2.0	135*	5.0	1.0	1.0	2.5	2.0	13.3*	1.48*
417.131	810	1031	3.5	115	1.0	1.0	1.0	3.0	2.0	10.6	1.20
417.132	805	1025	2.0	90	1.0	2.0	2.0	2.5	2.0	19.9	2.02*
417.133	716	1017	1.0	77	1.0	2.5	3.0	2.5	2.0	24.6	1.76*
417.134	810	1102	3.5	78	1.0	2.0	1.0	2.5	—	12.3	1.76*
417.136	809*	1101	3.0*	151	5.0	1.0	1.0	3.0	2.0	16.7	2.41*
417.146	808	1103	3.0	101	1.0	1.0	2.0	3.0	4.0	18.7*	1.77*
417.153	723	1019	2.0	79	1.0	1.0	3.0	3.0	—	25.9	1.73*
417.155	728	1019	3.5	85	1.0	1.0	2.0	2.0	3.0	11.3	1.71
417.190	809*	1031	2.5	78	1.0	3.0	3.0	3.2	2.0	17.6	1.95*
417.206	726*	1023	2.0	92	1.0	1.0	2.0	2.5	2.0	35.3*	1.65*
417.208	804	1102	2.5	94	1.0	1.0	2.0	3.2	2.0	16.0	1.67
417.215	808	1101	2.0	74	1.0	1.0	2.0	2.5	3.0	14.0	2.28*
417.222	720	1019	2.5	86*	1.0	2.0	2.0	2.7	3.5	22.2	1.51*
417.258	816	1031	2.5	66	1.0	1.0	1.0	2.5	3.0	12.6	1.42
417.261	819	1101	3.0	123	1.0	1.0	1.0	2.7	4.0	9.4	1.56*
417.270	716	1025	2.0	74*	1.0	2.0	4.0	3.0	2.0	34.9*	1.34*
417.281	813*	1101	2.0	93	1.0	2.0	1.0	2.2	1.5	16.1	1.89*
417.289	725	1019	3.0	100*	1.0	2.0	3.0	2.5	2.5	18.8	2.02*
417.290	810	1028	5.0	152*	5.0	1.0	1.0	2.7	3.0	10.6	1.53

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
417.311	801*	1028	2.0	93	1.0	1.0	4.0	2.5	2.0	21.1*	1.71*
417.313	803*	1028	3.5	98	1.0	1.0	2.0	2.5	2.0	21.2	2.21*
417.314	804*	1028	3.0	100*	1.0	1.0	1.0	2.2	1.0	20.5*	2.59*
417.316	816	1101	3.0	121*	1.0	1.0	1.0	2.5	2.0	15.1	1.54*
417.318	730	1019	2.0	86	1.0	1.0	3.0	2.5	2.5	22.8	2.06*
417.319	731*	1031	2.0	92	1.0	2.0	3.0	2.7	2.5	22.1	1.84
417.320	710*	1019	1.0	86*	1.0	2.0	4.0	2.5	1.5	22.7	1.23
417.342	819	1104	4.0	125	1.0	1.0	1.0	3.2	1.5	16.9	1.45
417.370	809*	1104	1.5	118	1.0	1.0	1.0	3.0	1.5	19.2	1.83*
417.388	810	1104	3.0	101	1.0	1.0	2.0	3.7	2.5	16.4	1.13
417.428	824	1029	5.0	131*	5.0	2.0	2.0	2.5	—	6.7	0.77
417.439	808	1020	2.0	108	1.0	2.5	3.0	2.0	2.0	19.8	1.83*
417.442	716	1014	1.5	78	1.0	3.0	3.0	2.2	1.0	26.1	1.35*
417.443	810	1024	3.0	98	1.0	1.0	2.0	3.5	3.0	22.0*	1.95
417.463	814	1102	2.0	69	1.0	2.0	2.0	2.5	3.0	12.7	1.52*
417.470	814	1102	2.0	66	1.0	1.0	2.0	2.5	3.0	11.3	1.58*
417.496	727	1017	4.0	118	1.0	2.0	2.0	2.0	3.0	12.9	2.08*
417.497	810	1026	4.0	132	5.0	1.0	2.0	2.5	—	12.6	1.33
417.500	823	1030	3.5	123*	3.0	1.0	2.0	2.5	—	11.0	1.39*
417.501	823	1102	5.0	175	3.0	1.0	3.0	2.5	—	6.1	0.99*
417.504	821	1031	3.0	154*	5.0	1.0	3.0	2.2	—	10.8	1.05
417.566	812	1025	3.5	150*	5.0	2.0	2.0	2.0	1.5	11.0	1.48*
417.569	802*	1102	4.0	122	1.0	2.0	1.0	3.0	3.0	14.0*	0.94*
423.886	821	1101	4.0	153*	1.0	1.0	2.0	2.5	—	7.2	1.46
423.906	727	1024	3.0	91	1.0	1.0	2.0	1.7*	1.0	18.3	1.86*
423.908	717*	1012	1.0	59	1.0	3.0	3.0	2.0	1.0	20.5*	1.38*
423.911	809*	1027	3.0	95	1.0	1.0	2.0	3.2	3.5	18.4	1.96*
423.913	802	1031	2.0	104	1.0	2.0	3.0	3.5	3.0	20.7*	1.49*
423.917	816	1104	4.0	150*	1.0	1.0	1.0	2.2	3.5	15.3	1.59*
423.920	806	1025	2.0	91	1.0	1.0	1.0	2.7	1.0	19.1	2.03
423.923	806	1029	2.0	79	1.0	1.0	3.0	2.5	1.0	16.4	1.63*
423.956	821	1103	2.5	84	1.0	1.0	1.0	1.7	1.0	14.3	2.41*
423.957	828*	1103	4.0	137	1.0	2.0	1.0	3.0	4.0	10.9	1.06*
423.959	801*	1103	2.5	106	1.0	1.0	1.0	2.5	1.5	14.2*	1.76*
423.962	808	1102	1.0	85	1.0	1.0	1.0	2.5	2.5	18.8*	1.86*
423.966	824	1104	3.5	163	5.0	1.0	1.0	3.0	2.5	14.4*	1.09*
423.968	821	1103	2.0	118	2.0	1.0	1.0	2.7	2.0	14.1*	1.29*
424.131	811	1025	3.5	108*	1.0	1.0	1.0	2.2	1.5	11.6	1.75
424.474–1	726	1021	4.5	126	5.0	1.0	1.0	2.7	4.0	9.9	1.74*
424.474–2	715	1004	5.0	226+	5.0	1.0	1.0	2.2	—	7.2	2.06*
424.475	721*	1019	5.0	134	4.0	1.0	1.0	2.5	3.5	13.6	1.66*
429.328	902	1101	5.0	120*	5.0	1.0	2.0	2.7	—	7.0	0.40
429.329	808*	1031	5.0	220+	5.0	2.0	2.0	3.0	—	6.5	0.70*
429.330	902	1103	5.0	145*	5.0	1.0	2.0	2.5	—	7.1*	0.22
434.981	816	1103	5.0	117	5.0	1.0	1.0	3.0	—	5.7	0.33
434.982	823	1029	5.0	133*	1.0	1.0	1.0	3.0	5.0	5.7	0.33
437.562	829	1101	5.0	152*	5.0	1.0	1.0	2.2	—	4.2	0.69*
437.668	721*	1020	5.0	122*	5.0	2.0	1.0	3.5	5.0	10.6*	0.68
437.670	821	1102	5.0	185	5.0	2.0	3.0	2.7	—	4.6	0.82
438.282B	814	1103	4.5	169*	5.0	2.0	1.0	3.0	—	4.6	0.45
438.347	710*	1006	5.0	133	3.0	1.0	2.0	2.0	1.0	12.4	1.44*
438.428	824	1102	5.0	135*	5.0	1.0	2.0	2.2	—	8.0	0.44
438.430	718	1007	2.0	81	1.0	1.0	1.0	2.0	1.0	15.0	2.10*
438.439	809	1027	3.0	127*	5.0	1.0	1.0	2.2	—	14.9	1.42
438.440–2	822	1031	5.0	140	5.0	2.0	2.0	2.2	—	7.1	0.82*
438.440–1	809*	1102	5.0	146*	5.0	1.0	1.0	2.5	—	8.8*	1.15*

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
441.352	821	1102	4.0	133*	5.0	1.0	2.0	3.2*	4.5	6.6	0.91
441.353	828*	1104	5.0	172+	5.0	1.0	1.0	2.7	2.5	10.0*	0.73*
441.355	902	1104	5.0	173*	5.0	1.0	1.0	2.5	—	6.6	0.40
441.358	816	1029	4.5	124*	1.0	1.0	2.0	2.7	4.0	8.3	0.49
441.359	902	1104	5.0	170*	5.0	1.0	2.0	3.5	5.0	8.5	0.86*
441.377	824	1102	4.0	162*	2.0	1.0	1.0	2.5	4.0	7.7	0.76
441.378	821	1031	4.5	121*	1.0	1.0	2.0	2.2	4.0	9.1	0.75
441.381	902	1105	4.0	152*	2.0	2.0	1.0	2.5	—	4.7	0.19
442.003B	816	1030	3.5	131*	5.0	1.0	2.0	3.5	3.0	21.7	1.16*
442.014	710*	1002	1.0	65	1.0	1.0	2.0	2.5	—	15.2*	1.61*
442.020	708*	1002	1.0	52	1.0	2.0	3.0	3.0	2.0	24.3*	0.80*
445.683	816	1029	5.0	230+	5.0	1.0	2.0	3.2*	—	5.2	0.35
445.842	824	1109	3.0	138*	5.0	2.0	3.0	2.5	3.0	12.6*	0.82
445.843	828*	1112	4.0	125	5.0	1.0	2.0	2.7	—	15.2*	1.00
458.198	731*	1030	2.0	91	1.0	1.0	2.0	2.7	—	26.4*	1.36*
458.211	801	1027	2.0	91*	1.0	1.0	2.0	2.7	—	26.3*	1.70*
458.218	716	1029	3.0	90	1.0	1.0	2.0	2.5	—	33.5*	2.27*
458.242	731*	1029	2.0	99	1.0	1.0	1.0	2.5	—	28.3	1.62*
458.261	727	1102	2.0	98	1.0	1.0	1.0	3.0	—	31.2*	1.66*
462.312	824	1110	3.0	170*	5.0	1.0	2.0	2.2	2.0	10.7	1.20*
468.969	806	1030	4.0	136	1.0	1.0	1.0	2.5	2.0	8.9	1.11
468.970	729*	1020	3.5	143*	5.0	1.5	2.0	2.2	2.0	12.8	1.42
468.971	804	1020	4.5	137	5.0	1.5	2.0	2.2	2.0	11.8	1.30
468.972	823	1024	4.0	154*	5.0	1.0	2.0	2.5	3.0	12.6	0.85
468.973	823	1022	4.0	138*	1.0	1.5	2.0	2.2	3.0	13.4	1.24*
471.901	725*	1021	4.0	140	1.0	1.5	2.0	2.5	3.0	12.7	1.20*
471.925	810	1021	3.0	123*	5.0	1.0	2.0	2.5	—	14.9	1.57*
471.926	820	1027	4.0	117	1.0	1.0	2.0	2.5	—	13.0	0.99*
471.928	816	1027	3.0	112	5.0	1.5	2.0	2.5	—	14.3	1.81*
471.930	816	1027	3.0	129	4.0	1.0	2.0	2.5	—	15.3	1.99*
471.932	826*	1102	3.5	116*	5.0	1.0	2.0	2.5	—	11.1	0.97*
471.933	821	1102	3.0	129	5.0	1.0	1.0	3.0	—	12.0	0.83*
471.935	821	1103	3.5	136*	5.0	1.0	2.0	3.2	3.0	11.4	1.25*
471.936	822	1102	4.0	143*	5.0	1.0	1.0	3.0	—	10.4	0.71*
471.941	821	1102	3.0	128	5.0	1.0	1.0	2.5	—	11.5	1.57*
476.878	814	1027	3.0	118*	5.0	2.0	2.0	2.0	2.0	13.2	1.49*
476.882	823	1031	3.5	236*	5.0	1.0	3.0	2.7	3.5	10.8	0.85
476.884	823	1102	4.0	157*	5.0	1.0	1.0	2.2	—	7.0*	0.91*
476.888	828*	1104	4.0	155*	5.0	1.0	1.0	2.7	3.0	7.6	0.64
476.892	823	1102	4.0	135*	5.0	1.0	2.0	2.2	—	8.9	0.68
476.896	821	1102	4.5	115	5.0	1.0	2.0	3.0	4.0	10.8	0.89
476.898	821	1104	4.5	106	1.0	1.5	2.0	3.5	2.0	17.2*	0.99*
476.904	725*	1018	3.0	101	1.0	3.0	3	2.0	—	10.2	0.88
476.919	824	1103	5.0	122	5.0	1.0	1.0	3.2	5.0	10.5	0.89
476.923	819	1027	3.0	122	5.0	2.0	3.0	2.5	2.5	11.7	1.43
476.926	716	1007	3.0	119	2.0	1.0	2.0	2.5	2.5	16.5	1.68*
476.927	811	1019	3.0	128*	4.0	2.0	2.0	2.2	2.0	12.7	1.42
476.928	808	1015	4.0	127*	4.0	1.0	2.0	2.5	2.0	13.1	1.36*
476.935	903	1103	4.0	140*	5.0	1.0	2.0	3.0	3.5	11.7	1.40
481.679	811	1028	3.0	113	1.0	1.0	2.0	2.5	—	14.8	2.06*
481.686	811	1028	3.0	109	1.0	1.0	2.0	2.5	—	14.5	1.93*
481.690	814	1029	3.5	109	1.0	1.0	2.0	2.2	—	14.0	1.42*
482.602	810	1027	3.5	135*	5.0	1.0	2.0	2.2	1.0	12.9	2.18*
486.328	821	1031	4.0	125	1.0	1.0	2.0	2.5	—	11.7	1.40
486.329	802*	1102	2.5	84	1.0	1.0	1.0	2.5	3.0	11.8	1.90*
486.330	823	1031	4.0	134*	5.0	1.0	1.0	2.0	3.0	10.2	1.21

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
486.332	810	1102	4.0	120*	1.0	1.0	1.0	2.5	—	9.9	1.63*
497.958	731*	1013	5.0	143	5.0	1.5	1.0	2.7	—	4.4	0.33
497.960	821	1012	5.0	123	3.0	1.5	2.0	3.0	4.0	3.7	0.43
497.961	809*	1012	5.0	92	5.0	1.0	1.0	3.0	4.0	4.2	0.51
497.962	814	1013	5.0	150	4.0	1.0	3.0	4.0	5.0	4.1	0.82
497.967	725*	1010	5.0	144*	5.0	1.0	2.0	2.7	—	7.2	1.16*
497.968	821	1012	5.0	99	5.0	1.5	1.0	3.0	4.5	3.4	0.43
499.955	816	1024	3.0	99	1.0	1.0	2.0	2.7	1.5	12.0	1.81*
500.648	823	1101	4.0	147	1.0	1.0	1.0	2.7	2.0	10.6	1.09
506.475	710*	1014	1.0	70*	1.0	2.0	3.0	3.5	1.5	29.0*	1.26*
506.488	819	1102	2.5	104	1.0	1.0	1.0	2.7	—	8.9	0.90*
506.490	731	1029	2.0	86	1.0	1.0	2.0	2.7	—	17.0	1.32*
506.491	816	1104	3.0	108	1.0	1.0	1.0	3.0	3.0	12.8	1.59*
506.499	725	1022	1.0	57	1.0	1.5	2.0	2.0	1.0	15.9	1.46*
506.504	725	1021	2.0	85	1.0	1.0	2.0	3.0	1.0	24.4*	2.32*
506.506	816	1031	1.0	67	1.0	1.0	1.0	2.7	2.0	21.1	1.73
506.507	819	1104	2.0	117	1.0	1.0	1.0	3.0	2.0	14.1	1.74*
506.508	809*	1031	1.5	63	1.0	2.0	1.0	2.5	1.0	10.7	0.87*
506.509	720	1022	3.0	68*	1.0	1.0	3.0	3.0	2.0	17.9*	2.07*
506.510	729	1031	2.5	109*	1.0	1.0	2.0	3.5	2.0	27.6*	2.24*
506.512	722*	1029	3.0	98*	1.0	2.0	3.0	3.0	1.0	25.4*	2.58*
506.532	729	1021	2.0	83	1.0	1.0	2.0	2.2	3.0	9.9	1.38*
506.538	722*	1029	1.0	66	1.0	2.0	3.0	3.5	2.0	24.4*	1.62*
506.542	722*	1025	2.0	75	1.0	2.0	3.0	3.2	2.0	32.9*	1.52*
506.547	731*	1022	2.0	89	1.0	1.0	2.0	1.7	2.0	14.0	1.62*
506.548	812	1024	2.0	88	1.0	1.0	1.0	2.5	2.0	13.0	1.36
506.555	723	1025	2.0	74	1.0	2.0	3.0	3.5	2.0	29.8*	1.32*
506.556	718	1025	2.0	61*	1.0	2.0	4.0	3.0	2.0	33.0*	1.41*
506.557	717	1028	2.0	82*	1.0	1.0	4.0	3.5	2.0	26.1*	1.68*
506.570	716	1022	2.0	65	1.0	2.0	3.0	3.0	2.0	33.4*	1.95*
506.579	714	1024	2.0	69	1.0	3.0	3.0	3.0	1.5	32.0*	1.43*
506.585B	731*	1102	2.5	93*	1.0	2.0	1.0	2.7	2.0	18.5	2.01*
506.599	715	1020	2.0	73	1.0	1.5	2.0	2.5	—	24.0*	1.65*
506.600	805*	1104	4.0*	107	1.0	2.0	1.0	2.5	—	11.6	1.66*
506.603	722*	1024	2.0	83	1.0	1.0	2.0	3.0	2.5	33.1*	2.11*
506.607	819	1103	3.5	130*	5.0	1.0	2.0	3.0	4.5	6.5	0.94
506.608	727	1021	2.0	88	1.0	1.0	2.0	2.2	1.5	25.3*	2.29*
506.616	716	1013	2.0	86*	1.0	2.0	2.0	2.5	—	35.5*	1.75*
506.618	716	1019	3.0	85	1.0	2.0	2.0	2.5	—	28.8*	1.77*
506.620	707*	1004	1.0	56	1.0	1.0	2.0	2.5	—	26.1*	1.17*
506.623	729	1029	1.0	68	1.0	2.0	3.0	3.2	1.5	27.1*	0.84
506.625	718	1018	1.0	64*	1.0	2.0	3.0	2.2	1.5	22.6*	1.17*
506.626	717	1020	2.0	86	1.0	2.0	2.0	3.0	4.0	19.7*	1.32*
506.627	716	1015	1.0	81	1.0	1.5	2.0	2.7	2.5	24.9*	1.60*
506.629	718	1018	1.0	77	1.0	2.0	1.0	2.2	2.0	24.2*	1.62*
506.632	821	1102	4.0	160*	5.0	1.0	1.0	2.5	—	11.2*	0.87
506.636	814	1028	1.0	65	1.0	1.0	1.0	3.0	1.5	24.4*	1.95*
506.638	724	1025	2.0	85	1.0	1.0	2.0	2.7	2.0	18.6	1.85*
506.645	819	1104	3.5	117*	1.0	1.0	1.0	2.2	—	9.8	1.23
506.646	814	1027	2.0	113	1.0	1.0	2.0	2.7	3.0	10.9	1.75*
506.665	831	1104	3.0	163	5.0	1.0	1.0	2.2	3.0	12.7	1.35*
506.676	728	1020	2.0	90	1.0	1.5	3.0	2.0	1.0	20.5*	2.39*
506.677	802*	1102	2.5	93	1.0	1.0	1.0	3.0	2.0	15.9	2.41*
506.679	808	1102	3.0	138	5.0	2.0	2.0	3.5	2.0	32.6*	2.27*
506.680	802*	1104	5.0	126	1.0	2.0	2.0	3.5	2.0	36.2*	1.63*
506.682	716	1012	2.0	62	1.0	2.0	3.0	2.7	—	20.7	1.31*

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
506.686	819	1103	4.5	154	5.0	1.0	2.0	2.5	2.5	10.6	1.29*
506.688	726	1015	1.0	82	1.0	1.5	3.0	1.7	1.0	21.6	2.22*
506.690	716	1014	3.0	86	1.0	2.0	3.0	2.2	1.5	19.9	1.82*
506.696	808*	1029	4.5	91	1.0	1.0	1.0	2.7	2.5	9.7	1.44*
506.735B	716	1013	2.0	99	1.0	1.0	2.0	3.0	—	28.0*	1.85*
506.735A	716	1020	3.0	88	1.0	2.0	2.0	3.2*	—	30.4*	1.75*
506.737	808	1027	1.5	92	1.0	1.0	2.0	2.2	2.0	13.9	2.23*
506.749	812	1028	3.0	130*	1.0	1.0	1.0	2.7	2.0	13.7	1.22*
506.755	812	1031	3.0	121*	1.0	1.0	1.0	2.5	2.0	14.3	1.37*
506.756	717	1027	1.5	73	1.0	1.0	1.0	2.5	2.0	36.9*	1.33*
506.764	809*	1102	1.0	88	1.0	1.0	1.0	3.0	1.5	19.4*	1.84*
506.774	805	1027	1.0	79	1.0	1.0	1.0	3.0	2.5	22.3*	1.66*
506.781	819	1102	2.5	95	1.0	2.0	1.0	2.0	2.0	17.9	2.54*
506.810	717	1022	3.0	91	1.0	1.5	1.0	2.7	4.0	16.9	1.82*
506.812	826	1105	5.0	137	5.0	1.0	1.0	3.0	2.5	14.4	0.67
506.813	814	1102	1.5	95*	1.0	2.0	2.0	3.5	2.5	21.5	1.12*
506.817	810	1031	1.0	64	1.0	2.0	1.0	3.0	2.5	26.3*	1.47*
506.829	802*	1022	2.0	89	1.0	1.0	2.0	2.5	2.0	27.5*	1.76*
506.877	803*	1022	2.0	67	1.0	1.0	2.0	2.0	1.0	33.2*	1.99*
506.879	802*	1017*	3.0	103	1.0	2.0	1.0	3.0	4.0	16.6	1.34*
506.880	819	1104	3.5	105	5.0	1.0	2.0	2.7	3.0	12.5	1.55*
506.889	819	1101	4.5	158*	5.0	2.0	1.0	3.0	2.0	9.7	1.05*
506.914	727	1101	2.0	104	1.0	1.0	1.0	2.5	2.0	21.7	1.99*
506.947	902	1104	5.0	170*	5.0	1.0	2.0	2.7	2.5	13.7*	1.03*
506.949	723	1019	3.0	96	1.0	1.5	2.0	2.5	—	25.9*	1.54*
506.957	721*	1022	1.0	77	1.0	2.0	3.0	2.7	—	33.8*	1.30*
506.958	716	1022	2.0	81	1.0	1.0	3.0	2.2	—	11.6*	1.83*
506.959	725	1028	2.0	92	1.0	1.0	2.0	2.5	—	20.8	1.12*
506.960	721*	1024	2.0	89	1.0	1.0	2.0	2.5	—	21.7	2.03*
506.963	718	1028	1.0	56	1.0	1.0	2.0	2.5	—	29.0	1.25*
506.969	716	1027	1.0	73*	1.0	2.0	2.0	2.7	—	39.4*	0.60
506.975	801*	1021	3.0	92	1.0	1.0	2.0	2.5	—	23.9*	1.54*
506.977	801*	1019	2.0	82	1.0	1.0	2.0	2.2	—	19.1	1.78*
506.981	716	1017	2.0	75	1.0	2.5	3.0	2.5	—	24.6*	1.48*
506.985	719*	1014	1.0	64	1.0	1.0	2.0	2.5	—	19.8*	0.60*
506.990	801	1031	3.0	138*	1.0	2.0	2.0	3.0	—	36.1*	1.27*
507.000	723*	1102	1.5	86	1.0	2.0	3.0	2.5	—	29.1*	1.28*
507.002	731*	1020	2.0	79	1.0	1.5	2.0	2.5	3.0	17.3*	2.18*
507.004	808*	1102	3.5	109	1.0	1.0	3.0	2.7	3.0	12.8	1.47
507.005	808	1027	2.0	93	1.0	1.0	3.0	3.0	2.0	18.6*	2.54*
507.008	808	1102	2.0	96	1.0	1.0	2.0	3.0	2.0	22.2	2.04*
507.010	728	1024	2.0	106*	1.0	1.0	3.0	3.0	2.0	23.4	2.53*
507.018	727*	1031	3.0*	88	1.0	1.0	3.0	2.5	—	29.9*	1.75*
507.020	819	1031	4.5	150	1.0	1.0	3.0	2.7*	2.0	9.2	1.35*
507.023	819	1102	4.0	149	5.0	1.0	2.0	1.7	—	6.6	1.16*
507.024	808	1031	4.0	146	5.0	1.0	2.0	1.7	—	8.8	2.00
507.035	804*	1104	2.0	107	1.0	1.0	1.0	3.5	1.0	27.5*	1.95*
507.039	726	1031	2.0	65	1.0	1.0	3.0	2.5	1.5	22.2*	1.86*
507.040	819	1106	3.0	132*	5.0	1.0	1.0	2.5	2.0	13.1	1.64*
507.041	724	1031	2.0	90*	1.0	2.0	1.0	3.2	3.0	22.4	1.88
507.042	727	1027	1.0	94	2.0*	1.0	2.0	3.0	—	31.9	1.63*
507.043	718	1026	1.5	91*	1.0	1.0	1.0	2.5	—	21.2	1.98*
507.046	819	1104	4.0	139*	5.0	2.0	1.0	2.7	2.0	13.5	1.38
507.059	731*	1014	2.5	92	1.0	2.0	5.0	2.7	3.0	12.7	0.91*
507.075	727	1019	2.0	87	1.0	1.0	2.0	2.7	2.0	21.9	1.49*
507.137	727	1018	2.0	99	1.0	1.0	3.0	2.2	1.5	19.4*	2.45*

Table 3.2 Agronomic data for USDA soybean germplasm in maturity group groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Flowering date (mmdd)	Maturity date (mmdd)	Lodging (score)	Height (cm)	Stem term. (score)	Shattering		Seed			
						Early (score)	Late (score)	Quality (score)	Mottling (score)	Weight (cg/sd)	Yield (Mg/ha)
507.146	819	1104	3.0*	128	1.0	1.0	1.0	3.0	3.0	17.2	1.48*
507.156	717	1022	2.0	72*	1.0	1.0	3.0	2.5	2.0	18.7	1.87*
507.161	804*	1024	3.5	114	1.0	1.0	1.0	2.5	3.0	9.9	0.94
507.193	819	1104	2.5	104	1.0	1.0	1.0	2.5	3.0	13.1	1.92*
507.194	809	1027	2.0	85	1.0	2.0	2.0	2.7	1.0	23.6	2.13*
507.202	808	1101	2.0	113	1.0	1.0	1.0	2.5	1.5	22.1	2.33*
507.207	722*	1017	2.0	88	1.0	2.0	2.0	3.5*	2.5	24.3*	1.55*
507.220	809	1101	2.0	88	1.0	2.0	1.0	2.5	2.0	17.0	2.10*
507.227	729	1102	2.5	105*	1.0	1.0	2.0	2.5	—	19.7	1.49*
507.249	716	1022	2.0	90	1.0	2.0	3.0	3.0	2.0	20.9	1.85*
507.258	724*	1024	2.5	82	1.0	1.0	1.0	3.0	4.0	19.3	1.61*
507.259	809	1101	2.0	77	1.0	2.0	1.0	3.5	3.5	21.4	2.38*
507.261	808*	1102	3.0	86*	1.0	1.0	1.0	2.7	4.0	17.6	2.21*
507.301	819	1105	4.5	107	1.0	1.0	1.0	2.2	2.0	7.6	0.85
507.336	716	1101	2.0	95	1.0	1.0	1.0	3.0	—	33.9	2.21*
507.345	716	1018	2.0	93	1.0	1.0	2.0	2.7	1.5	20.5*	1.55*
507.359	714*	1006	1.0	67	1.0	2.0	2.0	3.2	2.0	28.8*	1.04*
507.371	722*	1028	3.0	102	1.0	2.0	2.0	2.2	1.0	21.2	2.71*
507.486	819	1031	4.5	161*	1.0	1.0	1.0	3.0	3.0	8.5	0.95
507.538	731*	1022	1.0	34	1.0	1.0	3.0	2.7	2.5	16.6	0.79
507.539	726	1022	2.0	97	1.0	1.0	2.0	2.2	2.0	14.4	1.78*
507.542	810	1102	2.0	97	1.0	1.0	3.0	2.7	1.0	16.7*	2.08*
507.546	806	1024	2.0	81	1.0	1.0	1.0	3.0	2.0	25.1*	2.16*
507.556	809*	1018	3.0	87	1.0	1.5	2.0	2.0	1.0	19.5	1.91*
507.561	721*	1103	2.0	68	1.0	2.0	2.0	2.7	—	39.0*	0.84*
507.562	814	1028	1.0	73	1.0	1.0	1.0	3.0	2.0	25.0*	2.18*
507.568	809*	1014	1.5	88	1.0	1.0	2.0	2.5	1.0	17.6*	1.37*
507.572	808	1031	3.0	87	1.0	1.0	2.0	2.7	—	22.5	1.80*
507.574	807*	1103	3.5	98	1.0	2.0	3.0	3.5	1.0	15.9*	0.76
507.576	807*	1024	2.5	88	1.0	2.0	3.0	2.7	2.0	15.9*	1.80*
509.095	726	1014	1.0	81	1.0	1.5	2.0	1.5	1.0	12.2	2.52*
509.100	726	1018	1.0	83	1.0	1.0	1.0	1.7	2.0	12.1	2.53*
509.113	811	1031	4.0	186*	5.0	1.0	1.0	2.5	—	4.1	0.53
518.284	805	1023	3.0	116	5.0	1.0	1.0	2.2	3.0	10.4	2.15*
518.286	812*	1102	5.0	174+	5.0	1.0	2.0	2.5	—	9.0	0.45
518.288	815	1027	4.0	172+	5.0	1.5	2.0	2.5	3.0	9.2	1.21*
518.295	719*	1025	2.0	106*	1.0	2.0	1.0	3.0	2.0	19.3*	2.16*
518.721	821	1027	3.0	122	5.0	1.0	1.0	2.7	2.0	13.7	1.71*
518.722	725	1009	1.0	91	1.0	1.0	2.0	2.5	2.0	16.2	2.39*
518.756	808	1017	3.0	109	1.0	1.0	2.0	2.0	1.5	7.4	2.06*
567.181A	729	1002	3.0	102*	2.0	1.0	2.0	2.2	3.0	10.6	1.05
567.181B	708*	927	3.5	80	1.5	3.0	5.0	2.2	3.5	10.3	1.01
567.231	823	1029	3.5	104	5.0	1.0	3.0	2.5	—	7.7	0.88
567.235A	816	1030	3.0	93	1.0	1.0	2.0	3.0	3.0	9.1	1.24
567.235B	819	1104	2.0	108	5.0	1.0	2.0	3.0	3.0	10.8	1.24*

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
Acadian	VIII	47.6	15.7	10.8	3.4	19.9	57.8	8.1
Arisoy	VIII	46.8	16.1	10.9	3.4	20.1	57.7	7.9
Avoyelles	VIII	44.8[w]	15.8[w]	9.6	3.2	21.7	57.3	8.3
Barchet	VIII	51.5[w]	13.3[w]	10.6	3.0	17.5	59.4	9.5
Bienville	VIII	43.8	19.0	10.4	3.2	20.3	58.9	7.3
Biloxi	VIII	49.3[w]	16.9[w]	11.5	3.5	21.1	56.4	7.5
Bossier	VIII	44.4	18.8	10.8	3.6	21.7	56.7	7.1
Bragg	VII	44.7	17.9	11.5	3.6	21.7	55.3	7.9
Braxton	VII	45.4	17.4	12.3	4.2	20.5	55.3	7.6
Brim	VI	46.1	16.7	12.1	3.8	22.3	54.9	7.0
Buckshot 723	VII	44.1	19.0	11.4	3.9	28.1	50.4	6.1
Charlee	VII	44.7[w]	16.7[w]	11.3	4.0	22.1	54.4	8.2
Cherokee	VIII	48.4[w]	14.9[w]	10.8	3.7	20.3	57.2	8.0
Clemson	VII	45.8	14.3	11.1	3.3	23.1	54.4	8.1
CNS	VII	47.7	15.6	11.5	4.0	23.5	54.5	6.5
Cobb	VIII	41.7	19.6	10.6	3.3	19.6	58.2	8.2
Colquitt	VII	43.1	19.3	12.1	4.0	22.1	54.4	7.4
Cook	VIII	44.8	17.8	12.3	3.0	18.6	58.0	8.1
Creole	VII	45.4	17.5	11.3	3.9	22.3	56.0	6.5
Crockett	VIII	43.5	17.1	11.6	3.8	17.7	57.7	9.1
Delsta	VIII	43.2	17.6	10.6	2.7	18.0	61.2	7.5
Dortchsoy 31	VII	43.1[w]	19.5[w]	11.2	3.2	20.4	57.6	7.6
Dowling	VIII	41.2	19.9	11.3	3.3	17.1	59.9	8.5
Duocrop	VII	44.2	19.3	12.1	3.4	22.6	55.6	6.2
Foster	VII	43.3	18.5	11.7	3.5	21.2	56.0	7.6
Gasoy 17	VII	42.6	18.9	13.8	4.0	19.6	54.5	8.1
Gatan	VII	41.8[w]	14.1[w]	10.1	3.2	21.1	55.7	9.8
Georgian	VII	47.2	14.7	12.2	3.8	23.1	53.5	7.4
Gordon	VII	41.4	19.2	11.9	3.7	20.1	57.0	7.3
Govan	VII	45.3	17.2	11.8	3.6	19.2	57.4	8.0
Gregg	VII	44.8	18.4	12.3	3.7	20.1	55.9	8.0
Hagood	VII	44.8	18.6	12.1	3.6	20.4	56.9	7.1
Hardee	VIII	45.6	17.3	11.0	3.3	19.7	58.6	7.4
Haskell	VII	42.9	19.0	12.4	4.3	19.9	56.7	6.8
Howard	VII	43.6	18.9	11.9	3.5	19.5	57.3	7.7
Hutton	VIII	44.4	18.5	11.0	3.7	18.7	58.9	7.7
Improved Pelican	VIII	45.2[w]	18.1[w]	10.6	3.6	21.4	57.1	7.2
J.E.W. 45	VIII	42.9	17.7	10.6	3.6	22.3	56.7	6.9
Jackson	VII	41.9	19.8	10.9	3.5	20.0	58.2	7.4
Johnston	VIII	41.5	20.1	11.4	3.9	19.7	58.0	7.1
Kirby	VIII	42.9	19.2	10.9	3.3	19.0	58.6	8.1
Lee 74	VII	43.4	19.7	11.1	3.8	22.7	55.9	6.5
Louisiana Green	VIII	46.0[w]	16.1[w]	10.6	3.4	20.6	56.1	9.3
Majos	VIII	45.3	15.5	11.5	3.6	20.2	56.2	8.5
Mamloxi	VIII	45.9	16.0	10.6	3.1	19.5	59.4	7.3
Mammoth Yellow	VII	45.2	16.5	11.7	3.4	24.1	54.0	6.9
Mamotan 6640	VIII	44.4	16.5	10.3	2.9	18.6	60.7	7.5
Maxcy	VIII	43.1	18.6	12.2	4.1	20.5	56.6	6.6
Missoy	VII	45.1	16.6	10.7	4.0	24.2	53.8	7.3
Monetta	VII	45.8	14.3	12.5	3.4	22.0	53.7	8.5
Nela	VIII	46.0	17.1	11.3	3.3	20.1	58.0	7.2
Otootan	VIII	46.1[w]	14.6[w]	10.2	3.7	22.7	55.4	8.0
Padre	VII	41.4	19.3	11.1	3.8	21.1	56.8	7.3
Palmetto	VII	47.3	14.8	11.0	3.8	25.2	52.7	7.3
Perrin	VIII	44.5	18.5	11.5	4.4	21.1	56.0	6.9
Pluto	VII	44.7[w]	16.6[w]	10.9	3.8	26.9	51.9	6.5

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
Pocahontas	VII	47.6	15.4	11.8	4.3	17.8	58.3	7.7
Ransom	VII	43.1	21.2	10.5	4.2	24.7	54.7	5.9
Roanoke	VII	44.3	17.9	11.8	3.9	19.4	57.1	7.8
Seminole	VIII	48.6	15.4	10.5	3.3	19.8	58.1	8.2
Semmes	VII	45.2	17.3	11.5	3.4	20.2	57.1	7.8
Stonewall	VII	43.8	19.4	11.2	3.3	20.8	58.0	6.8
Tanner	VII	35.7[w]	15.3[w]	11.8	3.7	17.6	59.0	7.8
Tarheel Black	VII	46.6[w]	17.5[w]	10.9	4.1	24.1	54.3	6.7
Tennessee Non Pop	VII	45.2	17.3	12.0	3.6	19.5	57.2	7.6
Thomas	VII	44.8	17.0	11.8	4.1	20.2	56.6	7.3
Tokyo	VII	44.8[w]	18.0[w]	11.9	3.5	19.9	56.8	7.9
Volstate	VII	41.9	19.1	12.0	3.4	21.7	55.6	7.4
White Biloxi	VIII	44.9	17.4	11.3	3.5	20.0	57.5	7.6
Woods Yellow	VII	44.2	17.3	12.1	3.6	21.8	56.1	6.4
Wright	VII	44.0	18.4	11.3	4.3	21.6	55.4	7.3
Yelnanda	VIII	47.6	17.1	11.3	3.8	21.7	56.5	6.6
Yelredo	VIII	47.3	16.6	13.0	3.3	18.7	57.7	7.3
FC 30.267	VII	47.6[w]	16.2[w]	11.5	3.2	17.9	58.6	8.8
FC 30.282	VII	44.9	16.1	11.6	4.3	21.1	55.0	7.9
FC 30.967	VII	46.5	16.4	10.7	3.0	17.8	60.9	7.6
FC 31.416	VII	45.1	14.6	11.0	3.5	23.2	54.4	8.0
FC 31.592	VIII	44.2[w]	18.6[w]	11.2	3.4	20.6	58.0	6.9
FC 31.622	VII	47.2	15.4	11.6	3.7	23.7	53.6	7.4
FC 31.649	VII	46.6	16.3	11.9	3.5	23.0	54.0	7.7
FC 31.676	VII	47.1	15.7	12.2	3.4	22.4	53.9	8.1
FC 31.677	VII	42.7[w]	18.2[w]	11.0	4.0	23.8	54.6	6.6
FC 31.689	VII	43.8	18.7	11.6	4.0	19.7	57.3	7.4
FC 31.707	VII	42.2[w]	19.9[w]	12.1	3.2	19.9	57.5	7.3
FC 31.732	VII	42.8[w]	18.6[w]	12.0	3.6	19.6	57.8	7.0
FC 31.737	VII	45.7	16.9	11.4	3.7	25.2	52.7	6.9
FC 31.744	VII	46.4	16.2	11.6	3.5	23.6	54.0	7.3
FC 31.750	VII	46.2	16.0	11.0	3.6	22.3	55.8	7.2
FC 31.919	VIII	43.9[w]	17.6[w]	11.7	4.1	21.8	54.6	7.8
FC 31.921	VII	46.9	15.1	11.2	3.7	22.2	55.7	7.2
FC 31.927	VII	46.8[w]	15.3[w]	12.3	3.8	19.3	56.6	8.0
FC 33.123	VII	42.1	18.2	11.4	3.4	20.9	55.7	8.6
71.558	VII	46.1	15.6	11.1	3.4	18.9	58.7	7.8
71.564	VII	46.8	14.6	11.6	3.3	18.0	57.9	9.1
71.570	VII	47.0	14.2	10.5	4.0	24.8	53.5	7.2
79.861	VII	44.7	15.8	10.3	3.6	26.8	52.8	6.6
84.642	VII	49.5	15.6	12.3	4.2	21.2	55.3	7.1
84.967	VII	44.2[w]	16.2[w]	10.7	3.7	21.1	57.3	7.3
85.416	VII	49.6	15.1	11.7	3.5	20.6	56.1	8.1
85.897	VIII	45.6	16.6	10.5	3.3	20.1	58.4	7.8
87.565	VII	43.7	17.8	12.1	3.4	20.3	55.9	8.4
89.469	VII	40.7[w]	17.8[w]	11.7	4.4	21.0	54.3	8.5
95.960	VII	43.6	19.3	10.6	3.7	25.2	53.4	7.0
97.094	VII	45.0	17.7	10.2	4.0	19.5	58.7	7.7
97.100	VII	47.1	15.3	10.3	4.1	21.9	56.2	7.5
123.439	VII	51.6^	8.1^	11.8^	3.4^	18.7^	55.9^	10.3^
133.226	VIII	47.7	13.1	10.6	4.2	22.2	55.1	8.0
145.079	VII	43.9	16.7	12.5	3.8	21.6	55.0	7.2
148.259	VIII	48.0[w]	14.3[w]	12.0	4.8	21.7	52.2	9.4
153.681	VII	45.1	16.0	12.4	4.4	25.2	51.7	6.3
153.682	VII	45.9	15.0	12.2	4.2	22.5	54.0	7.1
159.093	VII	45.5	15.3	12.6	3.9	24.1	53.0	6.4

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
159.094	VII	47.3	14.8	11.2	3.2	19.8	57.1	8.6
159.095	VII	46.5	15.6	11.4	3.5	21.5	56.2	7.4
159.096	VII	43.6	21.1	12.1	3.8	21.9	54.7	7.5
159.097	VII	43.6	17.6	10.9	3.2	20.6	57.7	7.6
159.922	VIII	44.8	16.2	11.1	3.8	21.5	56.3	7.3
159.924	VIII	46.9	16.0	11.8	3.5	18.9	57.5	8.3
159.925	VIII	45.5	15.8	11.9	3.7	23.6	53.9	7.0
159.926	VIII	43.1[w]	16.3[w]	11.7	4.1	21.6	55.9	6.7
159.927	VIII	46.1	15.0	11.8	3.6	23.0	54.0	7.6
164.885	VIII	47.1[w]	12.9[w]	11.0	3.5	20.3	56.5	8.7
165.563	VII	48.6[w]	12.7[w]	12.2	3.6	20.4	55.4	8.4
165.578	VII	44.0[w]	16.8[w]	11.9	3.6	21.8	55.6	7.0
165.583	VII	49.2^[w]	11.2^[w]	11.0^	3.8^	21.3^	53.9^	10.1^
165.671	VII	44.8	16.7	11.7	3.6	21.3	57.0	6.4
165.674	VIII	45.3[w]	17.5[w]	12.3	4.1	22.0	54.8	6.8
165.675	VII	48.4	14.7	11.3	4.0	22.4	55.3	7.1
165.676	VII	44.9[w]	15.0[w]	11.1	3.3	21.9	55.2	8.5
165.896	VII	48.1[w]	13.5[w]	11.8	3.5	21.5	54.4	8.9
165.914	VII	44.4[w]	13.4[w]	10.7	4.1	22.3	53.9	9.0
165.926	VII	44.9[w]	13.6[w]	11.9	4.0	24.0	50.7	9.4
165.929	VII	47.0[w]	14.4[w]	10.0	4.5	21.6	55.6	8.3
165.943	VII	44.0[w]	15.7[w]	11.7	3.8	22.3	55.3	6.9
165.947	VII	45.6[w]	13.0[w]	11.9	3.8	19.6	54.2	10.5
165.989	VII	42.2[w]	13.8[w]	10.7	4.2	23.5	53.1	8.5
166.028	VII	43.7[w]	15.0[w]	11.2	4.1	24.1	52.8	7.8
166.032	VII	42.4[w]	14.8[w]	10.6	4.1	23.8	52.9	8.5
166.048	VII	47.9^[w]	13.3^[w]	11.5^	3.8^	24.1^	53.1^	7.6^
166.105	VII	46.2[w]	13.0[w]	11.7	3.6	22.0	54.8	7.9
166.140	VII	44.2[w]	18.8[w]	11.4	3.6	21.2	56.7	7.2
166.141	VII	44.9[w]	15.0[w]	11.2	3.5	21.1	56.9	7.3
171.438	VII	46.1[w]	13.0[w]	11.4	3.1	18.6	58.6	8.3
171.445	VII	47.2	15.7	11.1	3.9	23.2	55.0	6.8
171.446	VII	47.5	15.6	10.9	3.8	22.7	55.6	7.0
171.451	VII	47.2[w]	14.2[w]	12.9	3.9	18.5	56.6	8.1
174.853	VII	43.9[w]	15.6[w]	11.5	3.6	21.9	56.0	6.9
174.854	VIII	44.7[w]	12.8[w]	11.9	3.8	19.1	55.4	9.9
174.855	VII	44.7[w]	14.3[w]	11.8	3.6	22.2	55.1	7.3
174.856	VII	46.5[w]	16.0[w]	11.7	3.5	23.2	53.9	7.7
174.857	VII	45.0[w]	15.4[w]	11.7	3.6	22.7	54.5	7.6
174.858	VII	46.5[w]	13.8[w]	11.3	3.9	22.4	54.4	8.0
174.859	VIII	48.5[w]	14.5[w]	11.1	3.7	20.5	56.2	8.4
174.860	VIII	47.1[w]	11.2[w]	10.8	3.3	20.6	56.6	8.7
174.861	VIII	47.4[w]	11.6[w]	11.8	3.8	19.3	55.4	9.7
174.866	VII	46.7[w]	17.1[w]	11.3	3.5	21.5	55.2	8.5
174.867	VIII	46.4[w]	14.4[w]	10.4	3.6	21.1	56.4	8.5
174.868	VII	45.5[w]	14.6[w]	11.2	4.0	21.6	55.0	8.2
175.175	VIII	49.1[w]	12.1[w]	10.3	3.5	18.3	57.7	10.1
175.176	VIII	47.7[w]	11.8[w]	11.0	3.5	19.7	56.9	8.8
175.177	VIII	49.3[w]	12.2[w]	10.6	3.8	20.2	56.7	8.7
175.178	VIII	46.4[w]	13.3[w]	11.1	3.3	18.1	58.4	9.0
175.179	VIII	46.5^[w]	14.0^[w]	11.6^	4.4^	18.7^	56.6^	8.6^
175.180	VII	45.1[w]	16.9[w]	11.1	3.6	22.1	54.6	8.6
175.181	VII	45.3[w]	15.2[w]	11.2	3.5	22.0	53.9	9.4
175.182	VII	47.5[w]	13.8[w]	11.2	3.7	22.7	53.2	9.2
175.183	VII	46.3^[w]	18.1^[w]	11.8^	3.2^	19.9^	56.1^	9.1^
175.184	VIII	46.4[w]	15.3[w]	10.5	3.6	21.2	56.3	8.4

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
175.185	VII	45.2[w]	15.2[w]	11.6	3.4	19.8	56.2	9.0
175.186	VII	45.9[w]	13.0[w]	11.5	3.5	21.5	54.6	8.9
175.188	VII	—	—	—	—	—	—	—
175.190	VIII	49.0[w]	12.4[w]	12.1	3.4	19.3	56.2	9.1
175.191	VII	46.0^[w]	13.2^[w]	11.6^	3.7^	18.6^	56.6^	9.6^
175.197	VII	43.9[w]	12.7[w]	11.4	3.7	21.3	54.4	9.2
179.935	VII	42.7	16.7	12.2	3.6	19.9	57.1	7.3
180.051	VII	43.5[w]	15.7[w]	11.8	3.6	21.7	55.8	7.2
180.445	VII	40.5[w]	15.5[w]	10.9	3.8	18.1	57.2	10.0
181.560	VII	47.0[w]	16.9[w]	11.0	4.1	22.1	55.6	7.1
181.564	VII	44.9[w]	16.4[w]	12.1	4.7	21.6	54.2	7.5
181.565	VII	45.4	17.6	10.7^	4.1^	21.5^	55.9^	7.8^
181.566	VII	44.7	18.3	10.8	3.9	22.4	55.7	7.2
181.567	VII	45.9	16.0	10.9	3.5	19.3	58.1	8.2
181.568	VII	43.1[w]	19.5[w]	10.9	4.3	20.8	57.1	6.9
181.569	VII	44.5[w]	17.3[w]	11.4	4.2	23.3	54.2	6.9
181.696	VIII	44.3[w]	14.3[w]	12.2	5.3	22.8	52.1	7.6
181.697	VIII	45.1[w]	14.7[w]	11.9	5.3	23.4	51.7	7.6
181.698	VIII	48.4[w]	13.0[w]	11.8	4.5	21.1	53.1	9.5
183.900	VIII	48.9[w]	15.2[w]	11.9	3.7	19.1	54.4	10.9
183.929	VII	46.1[w]	14.6[w]	10.3	3.1	19.5	57.5	9.5
183.930	VII	44.3[w]	16.4[w]	11.9	3.6	21.7	55.8	7.1
187.154	VII	42.1[w]	17.2[w]	11.9	3.9	23.9	53.2	7.1
189.402	VII	51.4[w]	13.5[w]	10.3	3.5	22.4	56.0	7.9
192.867	VII	44.7	15.7	12.3	3.5	23.9	52.8	7.5
192.868	VII	46.2[w]	15.5[w]	11.6	4.7	21.7	54.3	7.6
192.869	VII	43.3[w]	14.7[w]	12.0	5.2	23.5	51.8	7.5
192.870	VII	44.2[w]	15.6[w]	12.7	5.3	23.3	51.0	7.7
192.871	VII	47.8[w]	16.4[w]	11.5	5.1	24.6	51.8	7.0
192.872	VII	45.8[w]	13.6[w]	12.5	4.4	21.5	53.1	8.6
192.873	VII	46.7[w]	15.0[w]	12.0	5.4	23.0	51.8	7.8
192.874	VII	43.0[w]	15.4[w]	12.7	5.2	24.7	50.3	7.1
194.773	VIII	49.4[w]	13.0[w]	11.6	3.3	19.7	56.2	9.3
197.182	VIII	47.8	13.0	11.5	3.3	17.7	58.5	9.0
198.078	VII	46.9	15.8	11.3	3.6	21.5	56.2	7.3
200.445	VII	45.1	16.9	11.6	3.1	17.9	59.5	7.9
200.448	VII	45.3	18.1	11.9	3.5	23.0	54.3	7.3
200.451	VII	45.7	17.6	11.7	3.4	19.3	57.4	8.2
200.452	VII	49.8[w]	15.0[w]	11.0	4.4	21.1	56.3	7.1
200.454	VII	48.9[w]	14.9[w]	10.8	4.0	21.0	57.6	6.7
200.455	VII	45.2	19.3	11.5	3.7	18.7	58.8	7.3
200.456	VII	45.9[w]	17.1[w]	11.7	3.4	20.1	57.8	7.0
200.459	VII	44.1[w]	16.2[w]	11.4	3.7	18.2	57.8	9.0
200.462	VII	52.4[w]	17.0[w]	12.1	3.6	20.3	56.0	8.0
200.464	VII	45.1[w]	17.5[w]	11.6	4.5	21.4	55.7	6.8
200.465	VII	43.6	18.6	12.1	3.8	19.1	56.8	8.2
200.466	VII	43.4	19.5	11.8	3.4	19.2	57.6	8.1
200.469	VII	45.7	17.7	11.3	3.6	21.6	56.7	6.8
200.474	VII	45.5	18.1	11.7	4.2	20.4	56.6	7.1
200.475	VII	45.0[w]	17.6[w]	10.6	3.7	23.0	55.7	6.9
200.476	VII	44.8	18.8	12.1	3.5	20.0	56.5	7.9
200.477	VII	54.2[w]	14.8[w]	12.3	4.2	19.2	55.9	8.4
200.484	VII	45.6	17.1	12.6	3.9	19.5	56.4	7.7
200.486	VIII	48.4[w]	15.0[w]	11.4	4.8	20.0	55.8	8.1
200.487	VIII	46.4[w]	14.8[w]	12.2	3.6	16.2	59.7	8.4
200.488	VIII	46.3[w]	14.6[w]	11.6	4.2	19.5	57.0	7.7

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
200.491	VII	47.1[w]	14.2[w]	11.5	3.6	19.1	57.2	8.7
200.492	VII	46.1	17.9	11.9	3.7	21.0	56.3	7.1
200.493	VII	45.3[w]	18.1[w]	10.8	3.8	22.5	55.5	7.4
200.494	VII	45.2	18.4	11.4	4.0	19.4	58.0	7.2
200.498	VII	45.1[w]	16.1[w]	10.8	3.5	19.0	58.3	8.4
200.500	VII	44.0	19.5	11.5	3.6	22.5	55.9	6.5
200.506	VII	47.0	17.5	12.3	3.8	20.6	57.1	6.2
200.507	VII	44.3	17.0	11.7	3.6	21.1	57.2	6.5
200.509	VII	45.0	18.4	11.5	4.2	17.1	59.4	7.8
200.515	VIII	44.3[w]	16.6[w]	11.7	3.6	18.8	58.0	8.0
200.516	VII	46.2	18.0	12.0	4.3	20.0	56.6	7.0
200.521	VIII	46.0	14.7	10.9	3.3	17.5	58.4	9.9
200.523	VII	44.9	18.5	11.6	4.0	21.1	55.9	7.4
200.524	VII	45.5[w]	16.5[w]	11.7	3.7	19.9	57.1	7.7
200.525	VII	47.9[w]	17.8[w]	11.3	3.5	20.4	57.1	7.6
200.526	VIII	45.9	16.8	10.4	3.4	19.5	58.8	7.9
200.527	VII	46.1	16.8	11.1	3.6	18.9	58.9	7.6
200.528	VII	44.2	17.3	14.5	3.8	20.3	54.8	6.6
200.529	VII	43.8	18.4	14.0	4.0	20.9	54.7	6.4
200.530	VII	44.0	19.5	14.3	3.7	19.7	55.4	6.9
200.531	VII	46.1[w]	16.4[w]	12.2	3.7	20.4	56.5	7.1
200.532	VII	45.5[w]	15.9[w]	11.7	4.1	20.6	56.3	7.3
200.538	VII	46.3	18.0	14.5	4.4	22.7	52.0	6.5
200.539	VII	45.4	17.8	13.7	3.7	18.8	55.8	8.0
200.542	VII	47.3	15.8	14.7	3.6	18.3	55.8	7.7
200.543	VII	44.4	17.4	14.0	3.6	20.4	55.8	6.2
200.544	VII	45.2[w]	16.6[w]	11.7	5.0	23.2	53.1	7.0
200.547	VII	47.6[w]	15.0[w]	11.8	4.6	20.7	54.8	8.1
200.549	VII	43.2[w]	16.5[w]	11.8	3.9	19.3	57.5	7.4
200.550	VIII	47.0	14.9	11.3	3.6	20.2	56.4	8.5
200.551	VIII	49.8	13.7	11.8	4.0	19.7	56.6	7.9
200.832	VIII	43.4	19.0	10.7	3.3	19.6	58.9	7.6
201.423	VII	44.5[w]	16.6[w]	12.3	3.4	22.0	55.6	6.8
203.398	VIII	52.2	12.4	11.4	3.7	17.8	57.4	9.7
203.399	VIII	47.4	14.9	11.2	3.6	19.2	56.6	9.4
203.400	VIII	49.1	14.7	10.9	3.4	19.1	58.4	8.2
203.402	VIII	45.4	16.5	11.1	3.5	20.8	57.1	7.5
203.403	VIII	47.2	15.6	11.2	3.9	19.9	57.1	7.8
203.404	VII	42.7	19.0	15.1	3.7	24.2	50.4	6.5
203.405	VIII	46.0	15.4	11.3	3.8	19.8	57.3	7.9
203.406	VIII	51.6	12.9	11.6	4.2	19.0	55.7	9.5
204.331	VIII	43.8	19.4	10.8	4.5	20.9	54.6	9.1
204.332	VIII	47.8	13.5	10.7	4.5	23.9	52.9	7.9
204.333	VIII	48.1	12.5	12.0	4.9	21.8	52.8	8.5
204.334	VIII	47.0	14.1	11.2	4.7	22.4	53.7	8.0
204.335	VIII	46.8[w]	13.8[w]	12.3	3.6	22.4	53.8	8.0
204.336	VIII	46.2	15.9	11.7	3.7	21.0	55.2	8.4
204.337	VIII	47.2[w]	14.7[w]	13.0	3.8	20.0	54.7	8.5
204.338	VIII	45.8	16.4	11.5	3.6	21.6	55.5	7.8
204.339	VIII	47.4	16.7	11.2	3.7	21.2	54.5	9.3
204.340	VIII	45.9[w]	14.7[w]	11.2	4.3	21.6	54.5	8.4
205.083	VII	44.0	19.1	13.3	3.6	23.7	53.0	6.4
205.899	VIII	48.1[w]	13.8[w]	10.0	3.4	20.1	57.2	9.3
205.903	VIII	51.1[w]	14.8[w]	12.0	4.0	20.7	54.8	8.4
205.906	VIII	46.1	15.3	11.2	3.3	21.8	55.2	8.5
205.907	VIII	50.6[w]	13.9[w]	11.9	4.3	20.7	53.4	9.7

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
205.908	VIII	48.6	14.7	11.0	3.7	20.2	55.3	9.8
205.909	VIII	46.5[w]	16.3[w]	11.4	4.3	19.5	56.2	8.5
205.911	VIII	49.5[w]	14.7[w]	11.5	4.1	19.0	58.1	7.2
205.912	VIII	48.5[w]	13.9[w]	12.3	4.4	19.9	53.0	10.4
205.913	VIII	46.0[w]	14.9[w]	12.0	4.6	21.1	54.1	8.1
205.914	VIII	48.2[w]	15.9[w]	11.4	4.3	21.0	53.6	9.7
205.915	VIII	46.1[w]	14.0[w]	11.2	5.2	24.0	52.6	7.0
206.258	VIII	48.4	15.2	11.9	3.0	20.0	56.3	8.8
208.203	VIII	45.4[w]	16.7[w]	12.0	3.6	20.5	56.5	7.4
208.204	VIII	47.0[w]	14.9[w]	12.7	5.7	22.5	50.9	8.1
208.429	VIII	46.7[w]	14.9[w]	12.1	3.2	18.9	58.2	7.6
208.430	VIII	47.1[w]	13.9[w]	11.7	4.4	20.5	55.1	8.4
208.431	VII	43.4[w]	17.9[w]	11.6	3.7	21.9	55.9	6.9
208.433	VII	44.7[w]	16.5[w]	11.9	3.5	21.2	56.3	7.1
208.434	VIII	47.2[w]	15.2[w]	11.1	3.6	21.0	56.4	7.8
208.435	VIII	46.3[w]	14.1[w]	11.2	3.5	22.4	55.2	7.8
208.437	VII	48.5[w]	14.2[w]	10.7	3.4	20.4	56.7	8.9
208.438	VII	44.1[w]	16.6[w]	11.4	3.5	22.0	56.2	6.9
208.439	VIII	45.5[w]	14.6[w]	11.7	4.1	21.1	54.7	8.4
208.782	VII	45.0[w]	18.5[w]	11.0	4.4	24.7	53.4	6.5
208.783	VII	42.9[w]	18.7[w]	11.5	4.6	22.8	53.9	7.3
208.784	VII	46.4	16.6	12.9	4.0	19.9	55.7	7.5
208.785	VII	48.2[w]	16.1[w]	11.8	4.3	21.7	54.4	7.7
208.788	VII	45.8	17.2	14.4	4.0	19.2	54.8	7.5
208.789	VII	43.2	19.6	12.6	4.3	22.0	53.7	7.4
209.340	VIII	46.6[w]	13.8[w]	13.3	3.9	20.6	54.6	7.5
209.577	VIII	45.5[w]	16.0[w]	11.3	3.2	22.7	55.6	7.1
209.578	VIII	47.5	14.7	11.4	3.3	20.3	56.2	8.7
209.833	VIII	52.8	11.3	10.5	3.0	17.7	58.2	10.5
209.836	VII	43.4[w]	17.2[w]	11.6	3.5	22.1	55.9	6.9
209.837	VIII	48.8	14.5	10.2	3.2	20.8	57.5	8.3
210.178	VIII	44.4[w]	14.9[w]	11.5	4.3	22.7	52.7	8.7
210.348	VIII	46.4	16.6	11.4	4.3	19.7	56.2	8.4
210.349	VIII	46.8[w]	13.6[w]	12.3	4.0	19.1	54.9	9.7
210.352	VII	44.4	18.6	13.4	4.1	19.7	55.1	7.6
210.353	VII	43.9	18.8	13.5	3.7	19.9	55.3	7.6
215.755	VIII	44.1[w]	14.7[w]	10.8	3.7	23.6	54.5	7.3
219.652	VII	44.2[w]	16.1[w]	12.0	5.2	23.2	51.9	7.6
219.653	VIII	48.7[w]	13.4[w]	12.4	4.6	21.3	52.6	9.2
219.654	VIII	45.8	14.7	12.0	3.4	22.2	54.4	7.9
219.655	VII	43.8[w]	15.9[w]	11.8	5.2	23.7	51.8	7.4
221.715	VII	45.7	18.1	13.6	3.3	18.8	56.1	8.3
221.716	VIII	42.1	19.2	10.9	4.0	21.2	56.4	7.6
222.546	VII	47.0[w]	17.9[w]	11.4	3.9	23.0	54.9	6.8
222.547	VIII	47.7	15.1	11.8	4.8	20.9	54.0	8.5
222.548	VIII	49.8^	13.3^	11.6	4.7	20.1	54.8	8.7
222.550	VIII	43.9[w]	17.5[w]	10.6	3.6	22.5	55.9	7.4
224.268	VIII	45.9	16.5	12.0	3.7	17.8	58.6	8.0
224.269	VII	41.5[w]	16.4[w]	11.8	4.0	19.1	57.5	7.6
224.270	VII	44.1	18.3	13.4	3.3	17.7	57.5	8.2
224.273	VII	44.5	19.5	14.9	4.2	19.4	54.6	6.9
227.219	VII	43.6	19.3	14.4	4.4	22.6	52.0	6.6
227.221	VII	43.7	18.2	13.7	3.3	19.0	56.2	7.8
227.222	VII	47.5[w]	18.0[w]	13.0	3.6	21.4	53.8	8.2
227.224	VII	44.2	17.7	14.4	3.9	20.1	55.0	6.6
227.687	VIII	44.1[w]	14.3[w]	11.9	3.8	20.1	55.7	8.6

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
228.056	VIII	44.8	15.7	11.3	3.5	19.3	57.6	8.3
228.065	VII	45.4	16.7	13.5	3.3	19.8	56.6	6.9
229.321	VII	45.7	16.3	14.3	4.2	19.6	54.3	7.6
229.358	VII	50.0[w]	15.4[w]	11.9	3.9	22.4	53.5	8.3
230.970	VII	44.3[w]	14.5[w]	11.4	4.9	21.3	54.6	7.7
230.971	VII	—	—	—	—	—	—	—
230.972	VII	43.8[w]	16.1[w]	10.3	4.1	23.0	55.4	7.2
230.973	VII	44.6	17.8	13.5	3.7	19.5	55.9	7.5
230.975	VII	44.9[w]	18.5[w]	11.2	3.9	23.4	54.7	6.7
230.977	VII	42.0[w]	18.6[w]	11.4	5.5	26.4	50.3	6.4
230.980	VII	43.8	18.7	14.8	3.6	19.5	55.1	7.0
230.981	VII	45.0[w]	17.0[w]	11.1	4.0	21.6	56.0	7.3
239.235	VIII	52.0[w]	11.2[w]	13.9^	4.5^	18.8^	52.5^	10.2^
239.237	VIII	44.6[w]	14.5[w]	11.4	4.5	24.0	52.2	7.9
240.665	VIII	44.7[w]	15.1[w]	10.1	3.9	23.6	55.2	7.2
240.666	VIII	45.2	14.9	10.8	3.3	20.2	56.3	9.4
240.671	VIII	49.1	15.1	11.6	3.0	19.1	57.9	8.4
240.672	VIII	45.9	15.5	10.9	3.8	20.9	56.1	8.4
241.424	VII	45.7[w]	14.3[w]	11.2	3.9	21.2	56.4	7.4
245.007	VIII	48.5[w]	13.2[w]	12.5^	4.1^	20.4^	55.6^	7.4^
245.008	VIII	51.2[w]	12.0[w]	12.1^	3.9^	19.6^	54.7^	9.7^
247.678	VIII	43.9[w]	16.2[w]	10.7^	4.1^	22.2^	56.0^	6.9^
247.679	VIII	45.6[w]	13.7[w]	10.5	3.6	22.0	55.9	7.9
248.510	VII	45.7	16.4	13.9	3.5	18.1	56.9	7.5
253.657	VIII	48.2[w]	15.0[w]	11.6	3.5	21.1	56.3	7.6
255.734	VII	47.8	15.3	13.2	3.9	22.1	54.2	6.6
256.376	VII	46.9	15.2	13.3	3.9	21.9	54.1	6.9
259.538	VIII	44.1[w]	13.3[w]	12.3	5.1	22.4	52.4	7.9
259.539	VIII	45.6[w]	17.7[w]	12.5^	5.0^	22.7^	51.4^	8.5^
259.540	VIII	46.2[w]	12.9[w]	10.9	3.6	21.5	56.1	8.0
259.543	VIII	47.3[w]	13.3[w]	11.5	4.2	21.8	53.2	9.2
262.180	VIII	46.9	15.8	10.9	3.5	22.5	55.9	7.2
263.044	VIII	46.7	17.1	10.4	3.2	20.4	58.3	7.7
265.491	VIII	43.8[w]	13.1[w]	10.4	3.4	23.0	54.7	8.4
265.497	VIII	46.1[w]	14.6[w]	12.0	3.7	22.0	54.3	8.0
265.498	VIII	47.5	14.6	11.0	3.6	22.3	55.2	7.8
274.506	VIII	45.5[w]	12.4[w]	11.7	4.1	20.5	54.0	9.7
274.507	VIII	46.6[w]	12.0[w]	11.9	3.9	19.4	55.1	9.8
279.081	VII	42.4[w]	18.9[w]	11.8	3.6	23.3	54.1	7.3
279.088	VIII	49.1[w]	14.1[w]	11.4	4.4	20.0	53.6	10.7
281.885	VII	46.2	13.8	15.0	3.3	21.7	52.2	7.8
281.888	VIII	45.4	18.5	11.7	4.0	19.3	54.7	10.3
281.889	VII	43.6[w]	15.6[w]	12.1	3.4	23.4	52.7	8.4
281.904	VII	45.3[w]	14.5[w]	12.0	3.8	22.4	53.5	8.3
283.326	VIII	46.9[w]	16.0[w]	11.6	3.8	17.7	57.7	9.2
283.328	VIII	47.2[w]	15.1[w]	11.2	4.2	20.4	56.2	8.1
284.814	VIII	43.9[w]	14.7[w]	10.9	3.6	20.6	55.6	9.4
284.873	VIII	48.3[w]	13.0[w]	11.5	4.1	18.7	56.2	9.6
285.090	VIII	45.7[w]	20.7[w]	12.7	4.0	18.1	56.2	9.0
285.091	VIII	48.6	13.8	11.6	3.9	20.0	55.8	8.7
285.092	VII	47.1	15.4	14.1	3.8	20.0	54.7	7.5
285.093	VII	43.2	19.1	12.8	4.3	19.5	55.7	7.7
285.094	VIII	43.8	19.8	11.2	3.8	19.1	55.0	10.9
285.095	VIII	44.7	19.9	11.7	3.2	17.1	58.6	9.4
307.836	VIII	47.3^[w]	12.6^[w]	12.2^	4.7^	21.3^	53.2^	8.6^
307.881	VIII	46.8[w]	13.2[w]	11.1	3.9	20.6	55.0	9.4

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
309.658	VIII	43.8[w]	15.2[w]	12.2	5.3	23.0	51.8	7.7
310.439	VIII	43.8	18.8	10.8^	3.2^	20.8^	58.5^	6.8^
310.441	VIII	48.5	13.9	10.7	3.6	24.5	53.4	7.7
315.701	VII	40.6[w]	14.5[w]	12.9	3.8	16.1	56.2	11.0
319.526	VII	49.0[w]	14.3[w]	11.4	3.7	19.6	56.8	8.5
319.533	VIII	49.1	13.6	10.9	3.3	21.5	55.7	8.7
322.689	VII	43.3	18.3	14.0	3.7	20.7	54.3	7.4
322.690	VII	46.4	16.7	13.7	3.6	19.6	56.1	7.1
323.275	VII	46.7[w]	15.5[w]	11.0	3.8	20.7	56.3	8.2
323.276	VII	41.6[w]	16.2[w]	12.1	3.9	19.1	56.1	8.9
323.550	VII	47.9[w]	13.4[w]	10.1	4.1	26.6	51.1	8.2
323.551	VIII	46.7[w]	13.4[w]	11.2	3.8	21.7	54.3	9.0
323.552	VIII	46.1[w]	14.3[w]	10.6	3.9	25.3	51.9	8.3
323.553	VIII	44.8[w]	14.2[w]	10.6	3.6	20.0	57.1	8.7
323.554	VII	41.9[w]	13.8[w]	10.6	3.7	23.5	53.9	8.3
323.557	VII	46.0[w]	14.0[w]	10.9	3.4	20.8	56.4	8.6
323.558	VII	45.6[w]	13.7[w]	10.9	3.6	22.6	54.0	9.0
323.559	VIII	47.1[w]	14.1[w]	10.3	3.9	24.0	53.1	8.7
323.560	VII	46.5[w]	14.5[w]	11.5	4.1	21.5	54.5	8.4
323.561	VIII	46.7[w]	13.2[w]	10.5	3.9	24.3	52.7	8.6
323.562	VIII	47.8[w]	12.5[w]	10.9	3.7	23.3	53.1	9.0
323.564	VIII	45.6[w]	13.9[w]	10.3	3.7	22.6	55.4	8.1
323.565	VII	48.9[w]	15.1[w]	11.8	4.0	25.1	52.1	7.0
323.567	VIII	46.1[w]	14.9[w]	10.1	3.7	22.2	55.9	8.0
323.568	VIII	48.0[w]	13.2[w]	10.7	3.9	23.3	53.7	8.4
323.569	VII	43.8[w]	16.1[w]	11.9	3.7	19.2	56.4	8.8
323.570	VIII	48.1[w]	14.0[w]	11.8	4.4	22.3	53.2	8.3
323.572	VII	46.0[w]	13.7[w]	10.9	3.6	23.9	53.0	8.7
323.573	VII	47.0[w]	13.2[w]	10.5	3.7	24.4	52.7	8.8
323.574	VII	46.1[w]	14.2[w]	12.0	3.6	21.1	55.9	7.5
323.575	VIII	48.4[w]	12.2[w]	11.0	3.7	22.3	54.4	8.5
323.578	VIII	49.7[w]	12.5[w]	10.1	3.9	21.9	55.3	8.9
323.579	VIII	49.3[w]	12.4[w]	10.8	3.9	21.7	54.5	9.2
324.067	VII	45.1	16.8	14.2	3.7	20.1	54.5	7.5
324.068	VIII	47.2	15.0	11.0	3.5	20.1	57.8	7.6
324.189	VII	45.9	16.1	14.2	3.8	20.2	54.4	7.3
324.190	VII	46.3	16.2	14.6	3.9	20.2	54.2	7.1
326.578	VIII	50.1[w]	13.7[w]	10.8	4.0	19.4	58.3	7.5
330.633	VII	45.1	18.3	13.5	3.6	16.7	58.5	7.7
330.634	VII	44.8[w]	17.4[w]	11.1	3.9	19.4	57.2	8.4
330.635	VII	42.9[w]	17.4[w]	11.6^	3.2^	25.1^	52.8^	7.4^
331.793	VIII	46.8[w]	11.7[w]	11.6	4.0	22.8	52.3	9.2
331.794	VIII	45.9[w]	16.4[w]	12.2	3.9	20.6	55.7	7.6
331.795	VIII	44.7	18.5	10.5	3.7	20.5	57.6	7.7
341.252	VIII	50.1	13.6	11.2	3.6	18.2	58.1	8.9
346.298	VII	43.5	18.6	13.3	3.6	20.8	54.6	7.6
346.300	VII	49.3	15.0	13.0	3.7	20.5	55.6	7.2
346.302	VII	47.3	15.5	13.5	3.7	21.6	53.6	7.6
346.304	VIII	47.6	14.3	11.1	4.3	21.6	54.9	8.2
346.305	VII	44.9	15.4	13.1	3.7	22.0	53.8	7.5
374.154	VIII	44.9[w]	13.9[w]	10.8	3.7	21.6	55.5	8.4
374.155	VIII	45.9[w]	13.6[w]	10.5	3.9	22.0	55.3	8.3
374.156	VIII	46.8[w]	13.2[w]	10.2	3.7	22.3	55.4	8.4
374.157	VIII	45.7[w]	13.1[w]	10.6	3.8	22.2	55.0	8.4
374.158	VIII	45.4[w]	13.2[w]	10.1	3.5	22.6	55.2	8.6
374.159	VIII	46.8[w]	11.7[w]	10.3	3.5	21.9	55.9	8.5

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
374.160	VIII	43.5[w]	14.6[w]	10.1	3.5	22.1	55.7	8.6
374.161	VIII	45.4[w]	14.1[w]	10.4	3.5	21.6	55.8	8.6
374.162	VIII	45.5[w]	11.7[w]	10.4	3.6	21.7	55.6	8.6
374.163	VIII	45.2[w]	13.1[w]	10.6	3.6	21.7	55.5	8.6
374.164	VIII	46.2[w]	14.3[w]	10.9	3.8	21.9	55.3	8.1
374.165	VIII	45.0[w]	13.5[w]	10.8	3.9	22.6	54.7	8.1
374.166	VIII	45.6[w]	13.9[w]	10.6	3.8	22.2	55.3	8.2
374.167	VIII	46.3[w]	13.6[w]	10.3	3.8	23.1	54.9	8.0
374.168	VIII	44.8[w]	13.5[w]	10.6	3.9	22.1	55.2	8.2
374.169	VIII	44.5[w]	13.2[w]	10.5	3.8	23.0	54.7	8.1
374.171	VIII	46.3[w]	14.3[w]	10.2	3.7	22.6	55.3	8.2
374.172	VIII	45.7[w]	14.1[w]	10.2	3.4	21.2	56.4	8.8
374.173	VIII	45.3[w]	13.9[w]	10.1	3.4	21.5	56.2	8.7
374.174	VIII	45.5[w]	14.0[w]	10.1	3.6	21.8	56.1	8.5
374.175	VIII	45.7[w]	13.8[w]	10.4	3.6	22.2	55.4	8.5
374.176	VIII	46.1[w]	11.2[w]	10.1	3.5	22.1	55.8	8.5
374.177	VIII	45.4[w]	14.0[w]	10.1	3.7	22.4	55.4	8.4
374.178	VIII	45.0[w]	14.1[w]	10.0	3.6	22.7	55.4	8.4
374.179	VIII	45.0[w]	13.9[w]	9.9	3.7	22.6	55.6	8.2
374.180	VIII	43.9[w]	14.9[w]	10.4	3.8	22.3	55.6	7.9
374.181	VIII	45.8[w]	12.7[w]	10.1	3.6	22.4	55.5	8.4
374.182	VIII	45.4[w]	14.0[w]	10.4	3.6	22.1	55.6	8.3
374.183	VIII	45.7[w]	14.0[w]	10.0	3.6	21.4	56.1	8.9
374.184	VIII	45.3[w]	15.8[w]	10.2	3.6	22.1	55.5	8.5
374.186	VIII	45.6[w]	14.8[w]	10.2	3.6	21.5	56.1	8.6
376.069	VII	50.8[w]	15.6[w]	10.7	3.9	21.1	56.9	7.3
376.070	VII	47.8[w]	14.9[w]	11.1	3.9	20.4	56.3	8.4
376.844	VII	44.3	17.8	13.1	3.7	20.4	55.7	7.1
376.845	VIII	44.8[w]	14.9[w]	11.7	4.6	18.8	56.2	8.7
377.573	VII	48.0	14.4	13.0	3.6	20.9	54.8	7.7
377.578	VII	43.1	18.3	12.7	3.4	19.1	57.1	7.7
379.619	VII	46.1[w]	16.6[w]	11.8^	4.6^	22.7^	53.3^	7.5^
379.623	VIII	44.1[w]	14.7[w]	11.7	4.7	19.7	55.9	8.0
381.657	VIII	46.3	14.8	11.3	4.0	24.1	53.3	7.3
381.660	VII	44.9	17.2	14.0	3.4	19.6	55.6	7.4
381.661	VIII	45.6	15.5	11.7	3.8	23.6	53.8	7.1
381.672	VII	45.2	16.4	13.5	3.2	19.1	56.3	7.9
381.680	VII	46.6	14.9	12.2^	4.6^	24.8^	50.6^	7.8^
381.681	VII	46.7	15.9	13.1	3.8	21.7	54.8	6.6
381.682	VII	44.7	16.3	14.2	3.5	22.5	52.7	7.1
393.542	VII	45.3[w]	15.5[w]	11.6	4.1	20.9	54.8	8.6
393.543	VII	41.7[w]	15.4[w]	11.6	5.3	23.2	52.5	7.5
393.544	VII	45.2[w]	15.3[w]	11.5	5.1	22.2	53.3	7.9
393.545	VII	44.8[w]	16.1[w]	11.5	5.2	23.4	52.3	7.6
393.546	VII	45.1[w]	15.1[w]	11.5	5.3	23.3	52.3	7.7
393.547	VII	44.5[w]	15.3[w]	11.3	5.0	23.3	52.6	7.8
393.548	VII	45.1[w]	15.6[w]	11.1	4.9	23.0	53.3	7.7
393.549	VII	46.3[w]	15.0[w]	11.3	5.1	22.6	53.3	7.8
393.550	VII	46.2[w]	15.3[w]	11.3	5.1	22.4	53.2	8.0
393.565	VII	48.1	14.2	13.1	3.6	21.1	54.0	8.2
407.766	VIII	50.7	11.7	11.3	3.8	21.2	55.3	8.3
407.769	VIII	47.7[w]	14.3[w]	11.0	5.0	24.4	52.1	7.5
408.051	VII	45.9[w]	17.6[w]	12.5	5.1	22.9	53.6	6.0
416.764	VIII	45.2	17.9	12.2	3.8	19.8	57.0	7.1
416.770	VII	44.2	18.4	14.2	4.6	23.3	51.5	6.4
416.775	VII	43.7	18.9	12.3	4.1	21.8	54.8	7.0

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
416.806	VIII	47.6	15.0	11.3	3.9	19.6	57.1	8.0
416.813	VII	42.0[w]	17.8[w]	12.0	4.6	23.5	52.7	7.2
416.824	VII	43.0[w]	17.8[w]	11.0	3.5	26.2	53.3	6.1
416.867	VII	43.5[w]	19.2[w]	11.4^	3.7^	23.6^	55.0^	6.3^
416.881	VIII	43.8	17.2	11.0	4.3	21.1	56.2	7.4
416.883	VII	44.3	19.5	10.9^	3.9^	25.7^	53.8^	5.8^
416.886	VIII	42.7[w]	14.7[w]	10.8	4.5	23.5	54.4	6.8
416.893	VII	44.7	17.7	13.7	3.5	18.9	55.9	8.0
416.928	VII	45.0[w]	16.5[w]	10.4	3.4	23.1	55.9	7.3
416.935	VIII	44.1[w]	15.0[w]	12.3	4.0	20.5	56.2	7.0
416.947	VII	44.3	17.2	14.9	3.9	20.2	53.3	7.7
416.948	VII	43.2	19.3	14.9	3.8	19.9	54.0	7.4
416.949	VIII	46.1	16.1	11.7	4.6	22.9	54.4	6.4
416.980	VII	45.2	18.1	15.4	4.0	19.6	53.6	7.3
417.009	VIII	44.3[w]	13.8[w]	11.6	4.2	20.2	54.6	9.3
417.013	VIII	49.4[w]	14.0[w]	12.1	4.6	19.7	56.1	7.5
417.047	VII	46.5	16.3	13.9	4.1	23.7	52.1	6.3
417.061	VIII	45.4[w]	13.3[w]	12.5	3.9	19.5	55.9	8.1
417.063	VII	45.2	17.2	14.2	3.7	20.3	54.9	6.8
417.112	VII	45.5	17.8	13.6	3.8	21.4	53.9	7.2
417.113	VII	43.5	18.9	13.7	3.8	19.9	55.1	7.5
417.115	VII	46.4	15.0	14.5	4.2	20.2	53.7	7.4
417.116	VII	44.2	18.9	14.3	4.4	21.2	53.6	6.5
417.117	VIII	45.7	17.5	11.6	3.7	18.8	58.3	7.7
417.119	VIII	48.3	15.4	11.6	4.1	21.2	55.7	7.5
417.120	VIII	50.6	13.4	11.5	3.8	19.4	57.7	7.6
417.122	VII	45.8	19.0	14.2	4.4	22.2	52.8	6.4
417.123	VIII	45.2	16.3	11.3	4.2	20.2	56.3	8.0
417.124	VIII	46.7	16.9	11.1	4.4	20.8	56.0	7.8
417.125	VIII	45.4	16.0	11.2	3.7	19.1	57.7	8.2
417.127	VII	44.8[w]	16.7[w]	10.9	4.4	25.2	53.1	6.3
417.128	VII	45.2	18.8	13.6	4.5	23.3	52.5	6.2
417.130	VIII	46.0	15.4	11.4	4.1	21.5	55.8	7.2
417.131	VIII	51.1	13.5	11.8	4.1	20.6	56.0	7.4
417.132	VII	43.5	18.5	13.8	3.2	18.7	57.5	6.8
417.133	VII	43.3	19.8	13.4	4.1	22.9	52.8	6.7
417.134	VIII	44.1[w]	15.4[w]	11.0	4.4	22.6	55.1	6.9
417.136	VIII	46.5	15.3	11.8	4.1	22.2	54.3	7.6
417.146	VIII	47.2	16.6	11.4	3.9	21.8	56.1	6.7
417.153	VII	42.8[w]	18.4[w]	12.7	4.3	21.8	55.0	6.2
417.155	VII	—	—	—	—	—	—	—
417.190	VIII	44.0	18.2	11.5	3.8	20.3	57.2	7.2
417.206	VII	44.4	18.8	13.2	4.7	23.5	52.6	6.0
417.208	VIII	43.7	18.4	11.8	3.9	19.9	57.2	7.2
417.215	VIII	43.6	19.6	11.5	4.2	20.5	57.0	6.8
417.222	VII	45.3	18.2	14.5	4.2	20.3	54.3	6.8
417.258	VIII	44.4	16.3	11.5	4.0	18.9	57.5	8.1
417.261	VIII	46.8[w]	15.4[w]	14.2	4.1	18.0	55.8	7.9
417.270	VII	48.2[w]	15.9[w]	13.2	3.1	23.1	54.1	6.5
417.281	VIII	44.5	17.4	11.7	4.1	21.2	56.2	6.9
417.289	VII	44.6	18.1	14.1	3.8	21.8	53.8	6.5
417.290	VIII	46.3	17.1	11.7	5.4	22.6	52.7	7.5
417.311	VII	46.5	16.8	13.8	3.7	18.7	56.4	7.3
417.313	VIII	44.6	17.1	12.0	4.1	20.3	55.3	8.4
417.314	VIII	43.8	18.1	12.0	4.1	20.6	55.3	8.1
417.316	VIII	48.1	15.6	11.6	3.6	20.4	56.3	8.1

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
417.318	VII	45.3	18.1	13.6	4.1	20.0	55.3	7.0
417.319	VII	46.1	17.0	13.7	3.8	19.0	56.2	7.3
417.320	VII	44.3	18.6	15.4	3.5	22.3	52.0	6.9
417.342	VIII	48.5	14.5	11.1	3.8	19.9	57.5	7.7
417.370	VIII	44.8	17.2	11.6	3.6	21.1	57.1	6.5
417.388	VIII	45.6	16.6	10.9	3.9	22.5	55.3	7.5
417.428	VIII	48.2[w]	12.9[w]	12.0	4.3	16.1	57.3	10.3
417.439	VII	44.3	18.3	13.8	3.3	23.8	52.6	6.4
417.442	VII	42.0[w]	20.1[w]	10.8	4.2	24.5	54.4	6.1
417.443	VII	44.9	17.8	13.0	4.0	21.4	54.5	7.1
417.463	VIII	44.5	16.2	11.2	4.3	20.2	56.5	7.7
417.470	VIII	44.5	16.9	11.2	3.5	17.7	58.7	8.8
417.496	VII	47.4	14.7	12.7	3.2	19.7	56.0	8.3
417.497	VII	46.1[w]	16.9[w]	10.7	3.6	22.9	56.4	6.4
417.500	VIII	46.4[w]	14.9[w]	10.7	3.9	21.9	55.8	7.8
417.501	VIII	44.7[w]	13.8[w]	12.0	5.0	22.7	52.5	7.8
417.504	VIII	47.2[w]	14.4[w]	11.1	3.7	21.8	56.1	7.3
417.566	VIII	45.9	16.0	11.0	3.5	19.6	57.7	8.3
417.569	VIII	45.5	16.4	11.5	5.1	23.5	52.7	7.1
423.886	VIII	48.0[w]	12.4[w]	11.4	3.7	16.6	59.1	9.3
423.906	VII	43.2	19.5	13.1	3.7	21.3	55.7	6.2
423.908	VIII	40.9	19.4	11.3	3.2	19.4	57.4	8.7
423.911	VII	44.0	17.7	13.9	4.6	23.3	51.6	6.5
423.913	VIII	44.5	17.8	11.1	4.1	23.6	54.1	7.2
423.917	VIII	44.4[w]	15.2[w]	11.0	4.2	21.3	56.4	7.1
423.920	VII	47.4	17.4	13.5	4.1	21.6	53.9	6.9
423.923	VII	41.9	18.9	14.7	4.3	21.0	52.1	7.9
423.956	VIII	—	—	—	—	—	—	—
423.957	VIII	48.0[w]	14.5[w]	11.2	4.5	21.4	55.9	7.1
423.959	VIII	46.3	16.5	11.3	3.6	19.2	58.9	7.1
423.962	VIII	45.1	17.1	11.5	3.2	19.6	58.5	7.3
423.966	VIII	50.4[w]	17.7[w]	11.6	4.5	20.5	56.1	7.4
423.968	VIII	45.0	16.2	11.3	3.5	19.7	57.4	8.1
424.131	VII	41.9	19.9	14.0	3.4	20.3	55.2	7.1
424.474–1	VII	44.4[w]	18.1[w]	12.2	4.0	21.2	54.6	8.0
424.474–2	VII	42.8[w]	15.0[w]	12.9	3.4	17.1	57.1	9.5
424.475	VII	42.9	19.3	13.2	4.9	22.4	52.2	7.4
429.328	VIII	43.8[w]	14.9[w]	11.5	5.9	26.4	49.0	7.2
429.329	VII	44.3[w]	15.3[w]	11.8	5.1	22.0	52.5	8.6
429.330	VIII	45.3[w]	12.9[w]	12.5	5.6	24.9	48.8	8.1
434.981	VIII	45.5[w]	14.1[w]	11.9	5.5	24.0	51.6	7.0
434.982	VIII	45.2[w]	13.8[w]	12.2	4.7	22.0	53.5	7.6
437.562	VIII	46.9[w]	11.4[w]	11.3	3.8	17.6	58.7	8.6
437.668	VIII	45.9[w]	13.4[w]	12.6	4.3	21.8	54.2	7.1
437.670	VIII	47.4[w]	10.6[w]	12.5	3.3	16.7	57.8	9.6
438.282B	VII	45.4[w]	12.7[w]	13.5	4.2	16.1	56.6	9.6
438.347	VII	44.5	18.3	13.1	3.2	21.3	55.4	7.0
438.428	VIII	46.2[w]	12.6[w]	11.1	5.1	24.7	52.1	6.9
438.430	VII	41.0[w]	20.8[w]	11.5	3.1	20.7	57.6	7.1
438.439	VII	44.1[w]	17.2[w]	12.1	3.7	22.2	55.3	6.6
438.440–1	VIII	46.7[w]	12.5[w]	10.9	3.9	19.8	56.7	8.7
438.440–2	VIII	48.1[w]	13.3[w]	12.4	4.1	16.5	57.9	9.2
441.352	VIII	51.3[w]	11.8[w]	12.2	4.7	23.8	48.4	11.1
441.353	VIII	43.5	19.2	10.0	4.3	22.5	53.3	9.8
441.355	VIII	45.8[w]	13.0[w]	11.1	5.8	23.9	51.2	8.0
441.358	VII	45.0[w]	14.0[w]	13.0	4.5	24.0	50.0	8.5

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
441.359	VIII	46.4[w]	14.1[w]	10.2	5.2	26.3	51.1	7.3
441.377	VIII	49.2[w]	13.6[w]	11.4	5.0	23.7	50.2	9.7
441.378	VIII	44.1[w]	13.7[w]	12.4	4.3	23.5	51.1	8.7
441.381	VIII	44.9[w]	12.7[w]	11.1	5.3	26.1	50.9	6.5
442.003B	VII	48.8[w]	17.1[w]	11.8	3.8	21.9	54.7	7.7
442.014	VII	46.4[w]	16.7[w]	13.4	3.0	17.5	58.3	7.8
442.020	VII	48.0	17.2	13.7	3.5	20.9	55.4	6.6
445.683	VII	48.5[w]	11.2[w]	11.5	4.2	19.1	55.1	10.1
445.842	VIII	47.9	15.1	11.7	3.7	21.7	54.0	8.9
445.843	VIII	46.6[w]	14.6[w]	10.8	4.0	21.2	55.8	8.2
458.198	VII	45.6[w]	17.3[w]	12.5	4.9	22.3	54.3	6.0
458.211	VII	45.4[w]	17.8[w]	12.6	4.5	21.9	54.7	6.3
458.218	VII	43.4[w]	18.5[w]	11.9	4.2	27.5	49.5	6.9
458.242	VII	45.3[w]	18.4[w]	12.5	4.5	21.9	54.8	6.2
458.261	VII	44.7[w]	17.4[w]	12.4	4.9	22.5	54.1	6.1
462.312	VIII	45.4	15.5	11.2	3.3	19.8	57.0	8.7
468.969	VII	46.4	14.7	13.7	3.8	22.8	52.1	7.6
468.970	VII	47.4	16.1	11.9	4.3	23.3	53.7	6.8
468.971	VII	47.2	16.0	12.6	4.1	21.5	54.3	7.5
468.972	VII	45.2	15.0	13.2	4.4	25.8	49.6	7.0
468.973	VII	45.9[w]	15.5[w]	12.8	4.2	26.0	49.6	7.3
471.901	VII	46.3	15.6	13.5	3.3	20.7	53.9	8.5
471.925	VII	43.4[w]	15.6[w]	11.5	3.6	22.4	55.8	6.7
471.926	VII	48.2[w]	15.1[w]	11.1	3.7	25.0	52.5	7.7
471.928	VII	44.2[w]	17.3[w]	11.7	3.5	21.8	56.1	6.9
471.930	VII	45.2[w]	17.5[w]	11.4	3.5	21.8	56.3	7.0
471.932	VIII	48.5[w]	13.7[w]	11.9	3.8	23.5	53.1	7.7
471.933	VIII	46.5[w]	13.5[w]	11.8	3.8	23.3	53.3	7.9
471.935	VIII	45.5[w]	14.5[w]	11.0	3.8	24.6	53.6	6.9
471.936	VIII	44.5[w]	12.8[w]	12.0	3.5	22.9	53.7	8.0
471.941	VIII	43.4[w]	14.3[w]	11.4	3.5	20.3	56.9	7.8
476.878	VII	48.0	15.5	12.8	4.1	23.8	51.4	7.9
476.882	VII	48.9	12.5	12.6	3.2	22.3	53.6	8.3
476.884	VIII	45.8[w]	14.7[w]	12.5	5.3	23.3	51.3	7.7
476.888	VIII	47.1	13.6	12.1	4.1	22.9	52.9	8.0
476.892	VIII	44.1[w]	14.1[w]	10.7	5.2	25.8	51.3	7.0
476.896	VIII	45.8[w]	15.2[w]	11.6	4.4	23.0	53.3	7.7
476.898	VIII	47.7	15.2	11.9	3.3	19.3	56.4	9.1
476.904	VII	45.0[w]	14.9[w]	10.9	3.9	20.6	56.8	7.9
476.919	VIII	47.6[w]	12.4[w]	11.1	3.5	22.6	54.4	8.4
476.923	VII	47.4	14.7	12.2	3.9	23.2	52.9	7.7
476.926	VII	46.9	16.9	14.9	3.1	19.5	55.2	7.3
476.927	VII	45.3	15.8	14.3	3.9	22.1	51.1	8.6
476.928	VII	47.0	16.7	14.8	3.6	23.6	51.4	6.6
476.935	VIII	46.8	11.7	10.9	3.6	23.3	52.9	9.4
481.679	VII	43.7[w]	17.0[w]	11.7	3.2	21.4	56.5	7.1
481.686	VII	42.6[w]	16.9[w]	11.7	3.2	20.9	56.8	7.3
481.690	VII	44.4[w]	16.0[w]	12.2	3.5	21.4	55.6	7.3
482.602	VIII	44.1	17.1	11.4	3.6	20.7	56.6	7.7
486.328	VIII	44.0[w]	16.6[w]	9.5	4.0	21.9	56.7	8.0
486.329	VIII	49.7	14.0	11.3	3.5	21.4	55.6	8.1
486.330	VIII	46.0	15.8	10.5	3.6	21.5	56.5	7.9
486.332	VIII	45.1[w]	15.3[w]	10.2	4.1	21.8	56.0	7.9
497.958	VIII	42.6[w]	12.8[w]	11.5	4.0	23.8	52.6	8.0
497.960	VIII	44.3[w]	14.1[w]	11.3	4.3	22.5	53.5	8.4
497.961	VIII	41.4[w]	14.5[w]	11.2	4.3	22.8	53.5	8.2

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
497.962	VII	43.3[w]	14.3[w]	11.7	3.6	19.7	54.3	10.8
497.967	VII	42.0[w]	14.1[w]	10.5	3.5	17.9	60.2	7.9
497.968	VIII	42.7[w]	14.0[w]	11.9	4.2	21.3	53.0	9.6
499.955	VII	48.9	14.7	15.7	3.8	20.4	52.2	7.9
500.648	VIII	47.9	15.0	11.1	3.7	20.4	57.5	7.4
506.475	VII	45.1	17.5	12.8	3.8	23.7	52.7	7.0
506.488	VIII	41.2[w]	13.9[w]	10.8	4.0	18.8	58.5	7.9
506.490	VII	42.9[w]	21.6[w]	11.3	3.1	19.8	58.7	7.2
506.491	VIII	44.6[w]	13.8[w]	11.6	3.3	17.3	59.9	7.9
506.499	VII	43.1	18.8	11.3	3.7	20.8	56.9	7.3
506.504	VII	43.8	18.5	10.0	4.1	22.6	56.2	7.1
506.506	VIII	45.9	17.7	12.1	3.9	19.9	56.7	7.4
506.507	VIII	43.9	16.9	11.5	3.5	19.8	57.0	8.1
506.508	VIII	46.6	15.8	12.8	3.8	18.9	56.7	7.8
506.509	VII	43.0	19.5	11.6	3.8	20.2	57.3	7.1
506.510	VII	43.3	18.6	10.6	4.2	22.6	55.8	6.8
506.512	VII	43.7	18.0	10.5	4.5	21.9	55.5	7.6
506.532	VII	44.3[w]	20.6[w]	11.5	4.0	22.1	55.3	7.1
506.538	VII	45.0[w]	17.1[w]	13.0	3.4	23.3	53.1	7.3
506.542	VII	43.8[w]	18.2[w]	13.3	3.2	22.4	53.7	7.4
506.547	VII	45.3[w]	16.7[w]	10.9	3.3	20.0	58.0	7.8
506.548	VII	45.3[w]	15.0[w]	11.2	3.4	20.1	57.0	8.4
506.555	VII	45.8	17.2	12.5	2.9	22.1	54.7	7.8
506.556	VII	46.4[w]	16.7[w]	13.4	3.1	23.0	53.9	6.7
506.557	VII	45.2[w]	17.6[w]	11.0	4.8	23.9	54.4	5.9
506.570	VII	46.5[w]	17.0[w]	13.1	2.7	21.4	55.6	7.2
506.579	VIII	45.6[w]	16.4[w]	13.3	3.0	22.0	54.6	7.1
506.585B	VIII	45.6	17.9	11.6	3.7	20.0	57.2	7.5
506.599	VII	42.6[w]	18.4[w]	11.2	2.9	23.0	56.5	6.4
506.600	VIII	45.3[w]	15.1[w]	10.9	4.1	19.9	57.1	8.0
506.603	VII	46.1[w]	18.0[w]	11.6	3.2	23.6	54.7	7.0
506.607	VIII	47.3[w]	13.3[w]	11.4	4.1	21.9	51.5	11.2
506.608	VII	45.1	18.9	11.5	3.8	21.5	57.0	6.3
506.616	VII	45.4[w]	18.3[w]	11.6	3.0	22.4	55.6	7.5
506.618	VII	45.9[w]	16.8[w]	13.8	2.8	22.5	54.1	6.8
506.620	VII	45.0[w]	19.2[w]	12.0	3.0	24.8	53.1	7.0
506.623	VIII	43.3[w]	15.4[w]	12.6	3.5	20.8	55.1	8.0
506.625	VII	45.7[w]	18.0[w]	12.8	3.4	22.8	54.3	6.8
506.626	VII	48.0[w]	15.2[w]	12.8	3.7	21.0	54.9	7.6
506.627	VII	42.8[w]	19.1[w]	11.0	3.8	23.5	54.9	6.8
506.629	VII	44.8[w]	17.9[w]	12.0	3.5	19.6	56.9	7.9
506.632	VIII	44.9[w]	13.2[w]	12.3	4.6	21.4	54.2	7.6
506.636	VII	45.8	18.0	11.9	3.9	20.4	56.8	7.0
506.638	VII	47.5	17.3	11.1	3.9	21.4	57.2	6.5
506.645	VIII	45.2[w]	15.0[w]	10.5	3.7	18.9	59.0	7.9
506.646	VII	43.0[w]	18.6[w]	10.8	3.8	23.5	55.6	6.4
506.665	VIII	46.3	14.5	11.3	3.4	20.5	55.7	9.1
506.676	VII	42.5	18.5	10.2	3.6	21.2	55.9	9.1
506.677	VIII	45.3	17.9	12.2	4.6	21.0	55.5	6.7
506.679	VIII	45.2	19.4	11.9	4.0	19.9	57.3	6.9
506.680	VIII	45.9	18.7	11.9	4.1	19.5	57.5	7.0
506.682	VII	42.2[w]	19.7[w]	11.6	3.4	22.1	56.8	6.2
506.686	VIII	47.3	14.5	12.3	4.3	21.0	54.8	7.6
506.688	VII	42.6	19.3	10.3	3.5	18.5	57.7	9.9
506.690	VII	43.1	13.7	10.3	4.1	23.1	55.4	7.1
506.696	VIII	46.2	15.0	11.9	3.5	16.8	58.8	8.9

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
506.735A	VII	46.0[w]	18.9[w]	11.9	3.5	24.8	53.4	6.4
506.735B	VII	42.3[w]	20.9[w]	11.5	3.4	22.7	55.3	7.1
506.737	VII	44.0	17.5	12.0	3.7	17.4	59.6	7.3
506.749	VII	45.9	16.9	11.1	3.4	21.5	56.3	7.7
506.755	VII	46.3	16.7	11.2	3.4	21.5	56.1	7.8
506.756	VII	47.0[w]	16.4[w]	13.2	3.0	22.4	54.4	7.0
506.764	VII	44.9	17.4	11.8	3.1	19.6	58.6	6.9
506.774	VII	47.3	16.8	11.2	3.9	21.6	56.5	6.7
506.781	VIII	46.2	17.3	11.8	4.5	20.7	55.6	7.5
506.810	VII	47.7[w]	17.1[w]	10.9	3.3	20.6	57.9	7.3
506.812	VIII	49.6	14.9	11.6	4.0	20.5	56.0	7.9
506.813	VII	45.9	15.4	11.1	4.7	24.7	52.2	7.2
506.817	VII	46.2	15.3	11.5	4.2	23.7	54.3	6.4
506.829	VII	45.5	18.5	11.7	3.9	21.0	56.9	6.6
506.877	VII	43.4	18.1	11.3	3.6	19.8	57.3	8.1
506.879	VII	44.6[w]	16.5[w]	11.4	4.6	22.6	55.2	6.2
506.880	VIII	47.7[w]	13.1[w]	12.3	3.7	20.0	56.3	7.7
506.889	VIII	47.2	13.1	11.5	4.2	21.6	54.6	8.2
506.914	VII	43.7	18.5	11.6	3.4	20.4	57.5	7.0
506.947	VIII	45.6	15.8	11.1	4.0	19.2	57.6	8.1
506.949	VII	46.7[w]	16.6[w]	10.2	2.9	21.9	57.2	7.8
506.957	VII	46.0[w]	18.8[w]	11.2	3.6	22.9	55.3	7.0
506.958	VII	44.7[w]	18.6[w]	11.1	3.6	21.2	56.9	7.3
506.959	VII	45.8[w]	16.1[w]	13.1	3.9	22.4	53.1	7.5
506.960	VII	45.7[w]	18.9[w]	10.1	3.9	26.8	53.3	5.9
506.963	VII	44.1[w]	19.8[w]	11.6	3.1	19.3	57.8	8.1
506.969	VII	45.0[w]	19.5[w]	11.3	3.6	23.0	55.5	6.6
506.975	VII	46.6[w]	23.6[w]	11.0	3.8	23.1	55.8	6.3
506.977	VII	46.4[w]	17.2[w]	13.7	3.8	22.9	51.7	7.9
506.981	VII	42.1[w]	20.7[w]	10.8	3.5	23.7	55.4	6.6
506.985	VII	43.8[w]	19.5[w]	12.1	3.4	21.8	55.6	7.1
506.990	VII	45.3[w]	17.4[w]	13.1	3.9	21.9	53.4	7.7
507.000	VIII	43.2[w]	14.9[w]	12.5	4.3	21.0	54.4	7.9
507.002	VII	45.6	18.2	11.7	3.1	20.6	57.9	6.8
507.004	VIII	45.7	16.5	11.7	3.8	20.0	56.8	7.7
507.005	VII	43.5	19.1	11.3	3.0	18.4	60.2	7.1
507.008	VII	45.0	17.4	11.5	3.7	21.0	57.3	6.6
507.010	VII	44.0	18.9	12.2	3.7	19.8	57.3	7.1
507.018	VIII	39.6[w]	17.4[w]	11.6	4.3	21.2	55.1	7.7
507.020	VIII	45.5	16.0	12.1	3.7	19.9	55.6	8.6
507.023	VIII	44.2[w]	13.9[w]	12.5	4.1	18.3	56.7	8.4
507.024	VII	41.5[w]	18.4[w]	11.6	3.5	18.4	58.1	8.4
507.035	VIII	45.7	17.2	11.5	4.6	23.0	54.1	6.8
507.039	VII	45.5	18.8	11.7	3.8	21.9	55.7	6.9
507.040	VIII	45.5	15.7	10.9	3.1	19.0	58.7	8.3
507.041	VII	44.2	18.4	10.8	4.7	25.6	51.8	7.1
507.042	VII	45.2[w]	17.7[w]	10.3	3.6	24.5	54.9	6.7
507.043	VII	42.4[w]	17.6[w]	11.4	4.4	23.5	54.2	6.4
507.046	VIII	47.3	16.1	11.2	3.7	19.0	58.2	7.8
507.059	VII	45.7[w]	16.0[w]	11.5	3.5	18.4	57.3	9.2
507.075	VII	44.6	17.7	10.9	3.9	21.6	55.7	7.9
507.137	VII	42.8	20.0	11.4	2.8	20.8	56.2	8.8
507.146	VIII	47.0[w]	15.4[w]	11.4	4.5	21.2	55.6	7.3
507.156	VII	42.5	19.9	11.5	3.2	19.2	58.6	7.5
507.161	VIII	47.0[w]	14.3[w]	11.2	3.9	21.0	55.7	8.2
507.193	VIII	47.5	13.7	11.3	3.0	16.3	60.7	8.7

Table 4.2. Seed composition data for USDA soybean germplasm in maturity groups VII and VIII, FC 30.267 to PI 567.235B, grown at Stoneville, MS

Entry	Maturity group	Seed composition		Oil composition				
		Protein (%)	Oil (%)	Palmitic (%)	Stearic (%)	Oleic (%)	Linoleic (%)	Linolenic (%)
507.194	VII	46.2	16.3	11.9	3.9	23.1	54.0	7.1
507.202	VII	44.9	16.9	11.6	3.3	21.1	57.4	6.6
507.207	VII	43.1[w]	18.9[w]	12.6	3.7	24.9	51.2	7.6
507.220	VII	43.8	17.7	12.0	3.7	20.5	56.9	6.9
507.227	VIII	43.4[w]	16.3[w]	12.5	4.6	21.1	55.0	6.9
507.249	VII	44.6	18.5	10.8	4.2	21.6	55.9	7.5
507.258	VII	45.8[w]	19.2[w]	11.4	3.9	20.7	57.0	7.1
507.259	VII	45.8	12.4	12.2	3.0	17.5	58.9	8.3
507.261	VIII	42.5[w]	17.8[w]	12.5	3.6	19.3	56.8	7.7
507.301	VIII	43.4[w]	15.0[w]	13.5	3.6	22.2	51.7	9.0
507.336	VII	45.2[w]	18.7[w]	11.6	3.8	20.2	56.8	7.6
507.345	VII	44.9	18.6	11.0	3.8	19.8	57.5	8.0
507.359	VII	43.1	20.4	10.6	3.2	24.9	55.4	6.0
507.371	VII	45.2[w]	20.2[w]	11.7	3.4	19.4	58.1	7.3
507.486	VIII	48.8	14.4	11.4	3.8	19.7	56.4	8.6
507.538	VII	42.5	19.1	11.3	3.8	20.7	57.3	6.9
507.539	VII	44.7	18.2	11.8	3.5	20.6	55.9	8.2
507.542	VIII	44.5	18.7	11.8	4.3	19.6	57.3	7.0
507.546	VII	43.9	19.2	10.6	4.3	24.6	54.3	6.1
507.556	VII	43.6	18.7	12.1	3.6	19.7	57.8	6.8
507.561	VII	44.9[w]	19.9[w]	11.3	4.1	23.9	53.4	7.3
507.562	VII	45.9	17.9	11.9	4.1	22.1	55.5	6.4
507.568	VIII	45.5	17.5	12.3	4.2	21.5	55.4	6.6
507.572	VII	43.7[w]	18.7[w]	11.9	3.5	18.8	58.7	7.2
507.574	VIII	48.2	15.1	11.3	3.8	20.0	57.2	7.8
507.576	VIII	44.0	17.4	12.2	4.1	20.1	56.2	7.4
509.095	VII	44.2	19.9	11.3	3.3	21.7	55.8	7.9
509.100	VII	43.3	20.0	11.5	3.4	22.0	55.5	7.7
509.113	VII	49.7[w]	11.8[w]	12.3	3.9	16.7	57.4	9.6
518.284	VIII	43.3	19.3	10.7	3.7	21.5	57.1	7.0
518.286	VIII	44.4[w]	13.2[w]	11.7	4.7	23.4	52.8	7.4
518.288	VIII	48.2	14.8	10.1	4.1	25.4	53.0	7.5
518.295	VII	44.9	17.1	10.9	3.8	20.9	55.6	8.8
518.721	VII	48.9	13.6	12.5	3.2	19.0	56.1	9.1
518.722	VII	44.2	17.3	12.1	3.1	22.7	55.0	7.0
518.756	VII	45.9	15.0	12.6	3.6	17.3	57.2	9.3
567.181A	VII	46.6	14.8	12.1	3.6	26.2	48.6	9.4
567.181B	VII	47.3	15.8	10.8	4.0	24.1	54.2	7.0
567.231	VIII	47.2[w]	14.0[w]	10.4	3.8	22.4	55.5	7.9
567.235A	VIII	47.8	15.1	10.1	3.8	22.1	56.2	7.9
567.235B	VIII	49.2	13.0	10.9	3.4	20.6	56.6	8.4