

A REPORT OF THE
NATIONAL SOYBEAN VARIETY REVIEW BOARD



ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

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NATIONAL SOYBEAN VARIETY REVIEW BOARD
(FEBRUARY 2012)

The Association of Official Seed Certifying Agencies (AOSCA) National Soybean Variety Review Board reviewed the following varieties on February 29, 2012. The Board recommended the inclusion of these varieties for certification. Seed of these varieties may be certified, providing production meets all standards of the Certifying Agency of the jurisdiction in which the seed is grown.

All variety information, including descriptions, claims, and research data to support any claim, was supplied to the National Soybean Variety Review Board by the applicants. The National Soybean Variety Review Board makes judgments regarding recommendation of varieties included in this report for inclusion into certification based on the data supplied. Beyond this, the National Soybean Variety Review Board takes no position on the accuracy or truthfulness of any description or claim made by the applicants.

Further information on current procedures, application forms, details regarding the National Soybean Variety Review Board, can be obtained from:

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Respectfully submitted,

Joe Deford, Chair
National Soybean Variety Review Board

2012 AOSCA SOYBEAN NVRB

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IA2076LF (IA2076LF)

1. IA2076LF is a group 2 large-seed, lipoxygenase-free soybean variety developed by the soybean breeding project at Iowa State University and marketed by Iowa State University Research Foundation, Inc.

2. IA2076LF is made up of 22 BC3F2-derived lines with uniform agronomic and seed characteristics obtained by backcrossing into IA2076 the *lx1*, *lx2*, and *lx3* alleles that control the absence of three lipoxygenase isozymes. The source of the *lx1*, *lx2*, and *lx3* alleles was IA1010LF. IA1010LF is a lipoxygenase-free variety developed by Iowa State University. IA2076 is a large-seeded variety developed by Iowa State University.

3. IA2076LF will be grown in the northern half of Iowa and in similar latitudes in other parts of the United States for use in the production of soyfoods.

4. IA2076LF has not been tested against specific soybean diseases.

- 5.

Relative maturity group: 2

Plant type: intermediate

Hypocotyl color: dark purple

Cotyledon color: yellow

Stem termination: indeterminate

Mature pod color: brown

Mature seed coat color: yellow

Mature hilum color: yellow

Herbicide resistance: none

Maturity sub-group: 3

Leaf shape: ovate

Pubescence color: gray

Flower color: purple

Seed shape: elongate

Variants and other identifying characteristics: IA2076LF is a large-seed variety that lacks the three isozymes of lipoxygenase.

6. Foundation, Registered, and Certified are seed classes to be recognized. Iowa State University Research Foundation, Inc. is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. IA2076LF is subject to collection of a royalty fee and production under a licensing agreement.
7. Breeder seed was offered for planting in Argentina in November 2011 for production of Foundation seed by licensees.
8. Application will not be submitted for protection under the U.S. Plant Variety Protection Act. Relevant descriptive data (morphological only) can be supplied to the PVP database.
9. Certified seed production acreage cannot be published by AOSCA and certifying agencies.



IA2102 (A08-248043)

1. IA2102 (A08-248043) is a group 2 general-use, yellow-hilum soybean variety developed by The soybean breeding project at Iowa State University and marketed by Iowa State University Research Foundation, Inc.
2. IA2102 is a F3 plant selection from the cross A04-545045 x AgriPro 98180-A01-0613. Lines with yellow hilum seeds were selected for further evaluation throughout the development history.
3. IA2102 was tested in the northern half of Iowa and will be grown for use in the production of soyfoods in similar latitudes in other parts of the United States.
4. IA2102 has not been tested against specific soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.
5.

<u>Relative maturity group: 2</u>	<u>Maturity sub-group: 7</u>
<u>Plant type: intermediate</u>	<u>Leaf shape: ovate</u>
<u>Hypocotyl color: green</u>	<u>Pubescence color: gray</u>
<u>Cotyledon color: yellow</u>	<u>Flower color: 99% white, 1% purple</u>
<u>Stem termination: indeterminate</u>	<u>Seed shape: elongate</u>
<u>Mature pod color: tan</u>	
<u>Mature seed coat color: yellow</u>	
<u>Mature hilum color: yellow</u>	
<u>Herbicide resistance: none</u>	

Variants and other identifying characteristics: Up to 1% purple flower color. At least 99% of the seeds have yellow hilum and up to 2% of the seeds may have buff hilum color.
6. Foundation, Registered, and Certified are seed classes to be recognized. Iowa State University Research Foundation, Inc. is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. IA2102 is subject to collection of a royalty fee and production under a licensing agreement.
7. Breeder seed was offered for planting in Argentina in November 2011 for production of Foundation seed by licensees.
8. Application will not be submitted for protection under the U.S. Plant Variety Protection Act. Relevant descriptive data (morphological only) can be supplied to the PVP database.
9. Certified seed production acreage cannot be published by AOSCA and certifying agencies.



IA2103 (A09-760043)

1. IA2103 (A09-760043) is a group 2 large-seed, high-protein soybean variety developed by the soybean breeding project at Iowa State University and marketed by Iowa State University Research Foundation, Inc.
2. IA2103 is a F3 plant selection from the cross IA3027 x Soygenetics F40412C. Lines with large size and high protein were selected for further evaluation throughout the development history.
3. IA2103 was tested in the northern half of Iowa and will be grown for use in the production of soyfoods in similar latitudes in other parts of the United States.
4. IA2103 has not been tested against specific soybean diseases, except sudden death syndrome. It is moderately susceptible to sudden death syndrome. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

5.

<u>Relative maturity group: 2</u>	<u>Maturity sub-group: 4</u>
<u>Plant type: intermediate</u>	<u>Leaf shape: ovate</u>
<u>Hypocotyl color: dark purple</u>	<u>Pubescence color: tawny</u>
<u>Cotyledon color: yellow</u>	<u>Flower color: purple</u>
<u>Stem termination: indeterminate</u>	<u>Seed shape: elongate</u>
<u>Mature pod color: brown</u>	
<u>Mature seed coat color: yellow</u>	
<u>Mature hilum color: yellow</u>	
<u>Herbicide resistance: none</u>	

Variants and other identifying characteristics: At least 99.5% of the seeds have yellow hilum and up to 0.5% of the seeds may have gray hilum color.

6. Foundation, Registered, and Certified are seed classes to be recognized. Iowa State University Research Foundation, Inc. is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. IA2103 is subject to collection of a royalty fee and production under a licensing agreement.
7. Breeder seed was offered for planting in Argentina in November 2011 for production of Foundation seed by licensees.
8. Application will not be submitted for protection under the U.S. Plant Variety Protection Act. Relevant descriptive data (morphological only) can be supplied to the PVP database.
9. Certified seed production acreage cannot be published by AOSCA and certifying agencies.



IA2104 (A09-760044)

1. IA2104 (A09-760044) is a group 2 large-seed, high-protein soybean variety developed by the soybean breeding project at Iowa State University and marketed by Iowa State University Research Foundation, Inc.
2. IA2104 is a F3 plant selection from the cross IA3027 x Soygenetics F40412C. Lines with large size and high protein were selected for further evaluation throughout the development history.
3. IA2104 was tested in the northern half of Iowa and will be grown for use in the production of soyfoods in similar latitudes in other parts of the United States.
4. IA2104 has not been tested against specific soybean diseases, except sudden death syndrome. It is resistant to sudden death syndrome. It has moderate susceptibility to Iron chlorosis on calcareous soils.

5.

Relative maturity group: 2

Plant type: intermediate

Hypocotyl color: green

Cotyledon color: yellow

Stem termination: indeterminate

Mature pod color: brown

Mature seed coat color: yellow

Mature hilum color: yellow

Herbicide resistance: none

Maturity sub-group: 2

Leaf shape: ovate

Pubescence color: tawny

Flower color: white

Seed shape: elongate

Variants and other identifying characteristics: None noted

6. Foundation, Registered, and Certified are seed classes to be recognized. Iowa State University Research Foundation, Inc. is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. IA2104 is subject to collection of a royalty fee and production under a licensing agreement.
7. Breeder seed was offered for planting in Argentina in November 2011 for production of Foundation seed by licensees.
8. Application will not be submitted for protection under the U.S. Plant Variety Protection Act. Relevant descriptive data (morphological only) can be supplied to the PVP database.
9. Certified seed production acreage cannot be published by AOSCA and certifying agencies.



IA3027RA12 (IA3027RA12)

1. IA3027RA12 is a group 3 large-seed, high-protein aphid resistant soybean variety developed by the soybean breeding project at Iowa State University and marketed by Iowa State University Research Foundation, Inc.
2. IA3027RA12 is made up of five BC₃F₂-derived lines. Lines with the *Rag1* and *Rag2* alleles were selected for further evaluation throughout the development history.
3. IA3027RA12 was tested in the southern half of Iowa and will be grown for use in the production of soyfoods in similar latitudes in other parts of the United States.
4. IA3027RA12 has not been tested against specific soybean diseases. IA3027RA12 possesses soybean aphid resistance conferred by *Rag1* and *Rag2* alleles

5.

<u>Relative maturity group: 3</u>	<u>Maturity sub-group: 0</u>
<u>Plant type: intermediate</u>	<u>Leaf shape: ovate</u>
<u>Hypocotyl color: green</u>	<u>Pubescence color: gray</u>
<u>Cotyledon color: yellow</u>	<u>Flower color: white</u>
<u>Stem termination: indeterminate</u>	<u>Seed shape: elongate</u>
<u>Mature pod color: tan</u>	
<u>Mature seed coat color: yellow</u>	
<u>Mature hilum color: yellow</u>	
<u>Herbicide resistance: none</u>	

Variants and other identifying characteristics: At least 99.5% of the seeds have yellow hilum and up to 0.5% of the seeds may have brown hilum color.

6. Foundation, Registered, and Certified are seed classes to be recognized. Iowa State University Research Foundation, Inc. is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. IA3027RA12 is subject to collection of a royalty fee and production under a licensing agreement.
7. Breeder seed was offered for planting in Argentina in November 2011 for production of Foundation seed by licensees.
8. Application will not be submitted for protection under the U.S. Plant Variety Protection Act. Relevant descriptive data (morphological only) can be supplied to the PVP database.
9. Certified seed production acreage cannot be published by AOSCA and certifying agencies.



IA3051 (A09-859027)

1. IA3051 (A09-859027) is a group 3 large-seed, high-protein soybean variety developed by the soybean breeding project at Iowa State University and marketed by Iowa State University Research Foundation, Inc.
2. IA3051 is a F3 plant selection from the cross A03-948032 x IA3027. Lines with large size and high protein were selected for further evaluation throughout the development history.
3. IA3051 was tested in the southern half of Iowa and will be grown for use in the production of soyfoods in similar latitudes in other parts of the United States.
4. IA3051 has not been tested against specific soybean diseases, except for sudden death syndrome. It is moderately resistant to sudden death syndrome. It has moderate susceptibility to Iron chlorosis on calcareous soils.

5.

Relative maturity group: 3

Plant type: intermediate

Hypocotyl color: green

Cotyledon color: yellow

Stem termination: indeterminate

Mature pod color: brown

Mature seed coat color: yellow

Mature hilum color: yellow

Herbicide resistance: none

Maturity sub-group: 0

Leaf shape: ovate

Pubescence color: gray

Flower color: white

Seed shape: elongate

Variants and other identifying characteristics: At least 99% of the seeds have yellow hilum. There may be up to 1% buff, black, brown, or gray hila, and up to 1% tawny pubescence.

6. Foundation, Registered, and Certified are seed classes to be recognized. Iowa State University Research Foundation, Inc. is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. IA3051 is subject to collection of a royalty fee and production under a licensing agreement.
7. Breeder seed was offered for planting in Argentina in November 2011 for production of Foundation seed by licensees.
8. Application will not be submitted for protection under the U.S. Plant Variety Protection Act. Relevant descriptive data (morphological only) can be supplied to the PVP database.
9. Certified seed production acreage cannot be published by AOSCA and certifying agencies.



A1035312

1. A1035312 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035312 was selected for SCN and glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035312 is adapted to mid group 0 growing areas.
4. Soybean variety A1035312 is resistant to SCN Race 3.

5.

<u>Relative maturity group: 0</u>	<u>Maturity sub-group: 4</u>
<u>Plant type: Intermediate</u>	<u>Leaf shape: Ovate</u>
<u>Hypocotyl color: Light purple</u>	
<u>Cotyledon color: Yellow</u>	<u>Pubescence color: Tawny</u>
<u>Stem termination: Indeterminate</u>	<u>Flower color: Purple</u>
<u>Mature pod color: Brown</u>	<u>Seed shape: Spherical flattened</u>
<u>Mature seed coat color: Yellow</u>	
<u>Mature hilum color: Grey</u>	
<u>Herbicide resistance: Glyphosate</u>	

Variants and other identifying characteristics: Up to 0.50% black hilum variant has been observed.

- Recognized classes of A1035312 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035315

1. A1035315 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035315 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035315 is adapted to mid group 0 growing areas.
4. Soybean variety A1035315's disease and or pest reaction data is not currently available..

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Light tawny

Flower color: Purple

Seed shape: spherical flattened

Variants and other identifying characteristics: Up to a 0.36% black seed coat and 0.03% imperfect black hilum and 0.12% buff hilum variance has been observed

- Recognized classes of A1035315 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035320

1. A1035320 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035320 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035320 is adapted to mid group 0 growing areas.
4. Soybean variety A1035320's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: Green

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 6

Leaf shape: ovate

Pubescence color: light tawny

Flower color: white

Seed shape: spherical flattened

Variants and other identifying characteristics: Up to 0.06% imperfect black hilum and 0.03% grey hilum variance has been observed.

- Recognized classes of A1035320 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
 7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035322

1. A1035322 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035322 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035322 is adapted to late group 0 growing areas.
4. Soybean variety A1035322's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 7

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1035322 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035337

1. A1035337 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035337 was selected for SCN, PRR, and glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035337 is adapted to late group 0 growing areas.
4. Soybean variety A1035337 is resistant to SCN Race 3.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: Light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 9

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1035337 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035441

1. *A1035441* is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035441 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035441 is adapted to early group 0 growing areas.
4. Soybean variety A1035441's disease and or pest reaction data is not currently available...

5.

Relative maturity group: 0

Plant type: Slender

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 0

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1035441 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035472

1. A1035472 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035472 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035472 is adapted to late group 00 growing areas.
4. Soybean variety A1035472's disease and or pest reaction data is not currently available...

5.

Relative maturity group: 00

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 2

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics none

- Recognized classes of A1035472 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035473

1. A1035473 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035473 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1035473 is adapted to late group 00 growing areas.
4. Soybean variety A1035473's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 00

Plant type: Intermediate

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 2

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.03% Imperfect black hilum and 0.03% buff hilum variants has been observed

- Recognized classes of A1035473 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035481

1. A1035481 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035481 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035481 is adapted to mid group 00 growing areas.
4. Soybean variety A1035481's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 00

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.09% imperfect black hilum variants have been observed

- Recognized classes of A1035481 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035483

1. A1035483 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035483 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1035483 is adapted to mid group 00 growing areas.
4. Soybean variety A1035483's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 00

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 6

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to a 0.10% yellow hilum variant has been observed

- Recognized classes of A1035483 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
 7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035682

1. A1035682 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035682 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety A1035682 is adapted to early group 0 growing areas.
4. Soybean variety A1035682's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 2

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to a 0.26% buff hilum, 0.03% yellow hilum and 0.15% black hilum variants observed.

- Recognized classes of A1035682 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
 7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035695

1. A1035695 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035695 was selected for SCN and glyphosate tolerance using single plant selection.
3. Soybean variety A1035695 is adapted to late group 0 growing areas.
4. Soybean variety A1035695 is resistant to SCN Race 3.
5.

<u>Relative maturity group: 0</u>	<u>Maturity sub-group: 7</u>
<u>Plant type: Intermediate</u>	<u>Leaf shape: Ovate</u>
<u>Hypocotyl color: light purple</u>	
<u>Cotyledon color: Yellow</u>	<u>Pubescence color: tawny</u>
<u>Stem termination: Indeterminate</u>	<u>Flower color: Purple</u>
<u>Mature pod color: Brown</u>	<u>Seed shape: Spherical flattened</u>
<u>Mature seed coat color: Yellow</u>	
<u>Mature hilum color: Black</u>	
<u>Herbicide resistance: Glyphosate</u>	
- Variants and other identifying characteristics: none
6. Recognized classes of A1035695 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035701

1. A1035701 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035701 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1035701 is adapted to late group 0 growing areas.
4. Soybean variety A1035701's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 8

Leaf shape: Ovate

Pubescence color: Light tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.10% imperfect black hilum and 0.04% yellow hilum has been observed.

- Recognized classes of A1035701 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035782

1. A1035782 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035782 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1035782 is adapted to late group1 growing areas.
4. Soybean varietyA1035782 is moderately resistant to SCN Race 3.

5.

Relative maturity group:1

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Tan

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: glyphosate

Maturity sub-group: 9

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.06% imperfect black hilum has been observed

- Recognized classes of A1035782 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035801

1. A1035801 is an mid maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035801 was selected for SCN Race 3 and glyphosate tolerance using single plant selection.
3. Soybean variety A1035801 is adapted to early group 2 growing areas.
4. Soybean variety A1035801 is resistant to SCN Race 3 & 1.

5.

Relative maturity group: 2

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 0

Leaf shape: ovate

Pubescence color: grey

Flower color: purple

Seed shape: spherical flattened

Variants and other identifying characteristics: none

6. Recognized classes of A1035801 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035860

1. A1035860 is an mid maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035860 was selected for SCN and glyphosate tolerance using single plant selection.
3. Soybean variety A1035860 is adapted to early group 2 growing areas.
4. Soybean variety A1035860 is resistant to SCN Race 3.
5.

<u>Relative maturity group: 2</u>	<u>Maturity sub-group: 3</u>
<u>Plant type: Intermediate</u>	<u>Leaf shape: ovate</u>
<u>Hypocotyl color: light purple</u>	
<u>Cotyledon color: Yellow</u>	<u>Pubescence color: grey</u>
<u>Stem termination: Indeterminate</u>	<u>Flower color: purple</u>
<u>Mature pod color: Brown</u>	<u>Seed shape: spherical flattened</u>
<u>Mature seed coat color: Yellow</u>	
<u>Mature hilum color: Imperfect black</u>	
<u>Herbicide resistance: Glyphosate tolerance</u>	

Variants and other identifying characteristics: none
6. Recognized classes of A1035860 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1035915

1. A1035915 is a mid maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1035915 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1035915 is adapted to mid group 2 growing areas.
4. Soybean variety A1035915's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 2

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 6

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: None

- Recognized classes of A1035915 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1036439

1. A1036439 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1036439 was selected for glyphosate tolerance using single plant selection
3. Soybean variety A1036439 is adapted to mid group 00 growing areas.
4. Soybean variety A1036439 is susceptible to SCN Race 3.

5.

Relative maturity group: 00

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: ovate

Pubescence color: grey

Flower color: purple

Seed shape: spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1036439 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1036441

1. *A1036441* is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1036441 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1036441 is adapted to mid group 00 growing areas.
4. Soybean variety A1036441 disease and or pest reaction data is not currently available.

5.

Relative maturity group: 00

Plant type: Slender

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1036441 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1036478

1. A1036478 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1036478 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1036478 is adapted to late group 00 growing areas.
4. Soybean variety A1036478's disease and or pest reaction data is not currently available.

5.

Relative maturity group:00

Plant type: Slender

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 1

Leaf shape: ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1036478 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037382

1. A1037382 is a mid maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037382 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1037382 is adapted to early group 2 growing areas.
4. Soybean variety A1037382's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 2

Plant type: Bushy

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 1

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1037382 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037406

1. A1037406 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037406 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1037406 is adapted to mid group 0 growing areas.
4. Soybean variety A1037406's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Tan

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 6

Leaf shape: ovate

Pubescence color: light tawny

Flower color: purple

Seed shape: ovate

Variants and other identifying characteristics: none

- Recognized classes of A1037406 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037407

1. A1037407 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037407 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1037407 is adapted to mid group 0 growing areas.
4. Soybean variety A1037407's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 6

Leaf shape: ovate

Pubescence color: light tawny

Flower color: purple

Seed shape: spherical flattened

Variants and other identifying characteristics: Up to a 0.09% imperfect black hilum variant has been observed

- Recognized classes of A1037407 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037429

1. A1037429 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037429 was selected for SCN and glyphosate tolerance using single plant selection.
3. Soybean variety A1037429 is adapted to early group 1 growing areas.
4. Soybean variety A1037429 is resistant to SCN Race 3.

5.

Relative maturity group: 1

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 1

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: 0.18% Black hilum variance has been observed.

- Recognized classes of A1037429 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037430

1. A1037430 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037430 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1037430 is adapted to early group 1 growing areas.
4. Soybean variety A1037430 is susceptible to SCN Race 3.

5.

Relative maturity group: 1

Plant type: Intermediate

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Tan

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 2

Leaf shape: Ovate

Pubescence color: Light tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of A1037430 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037433

1. A1037433 is a mid maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037433 was selected for SCN and glyphosate tolerance using single plant selection.
3. Soybean variety A1037433 is adapted to early group 2 growing areas.
4. Soybean variety A1037433 is resistant to SCN Race 3.

5.

Relative maturity group: 2

Plant type: Bushy

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Imperfect black

Herbicide resistance: Glyphosate

Maturity sub-group: 1

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.19% black hilum and 0.02% buff hilum variants have been observed

- Recognized classes of A1037433 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1034766

1. A1034766 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1034766 was selected for SCN and glyphosate tolerance using single plant selection.
3. Soybean variety A1034766 is adapted to late group 1 growing areas.
4. Soybean variety A1034766 is resistant to SCN Race 3.

5.

Relative maturity group: 1

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 8

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.2% buff hilum variant has been observed

- Recognized classes of A1037466 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
 7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 8. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037469

1. A1037469 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037469 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1037469 is adapted to mid group 0 growing areas.
4. Soybean variety A1037469's disease and or pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Buff

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.57% hilum variants have been observed (brown, black, imperfect black, yellow).

- Recognized classes of A1037469 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



A1037515

1. *A1037515* is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto and marketed thru its various brands or licensees.
2. Soybean Variety A1037515 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety A1037515 is adapted to late group 1 growing areas.
4. Soybean variety A1037515 is moderately susceptible to moderately resistant to SCN Race 3.

Relative maturity group: 1

Plant type: Intermediate

Hypocotyl color: dark purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Buff

Herbicide resistance: Glyphosate

Maturity sub-group: 8

Leaf shape: Ovate

Pubescence color: Grey

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.1% black hilum and 0.21% imperfect black hilum and 0.02 yellow hilum variants has been observed.

- Recognized classes of A1037515 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



14454401 (9010445)

1. 14454401 is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto & Stine and marketed thru its various brands or licensees.
2. Soybean Variety 14454401 was selected for glyphosate tolerance using single plant selection method.
3. Soybean variety 14454401 is adapted to mid group 0 growing areas.
4. Soybean variety 14454401's disease and pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color:

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: tan

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: White

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of 14454401 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



18340601 (9010604)

1. *18340601* is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto & Stine and marketed thru its various brands or licensees.
2. Soybean Variety 18340601 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety 18340601 is adapted to early group 0 growing areas.
4. Soybean variety 18340601's disease and pest reaction data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color:

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Brown

Herbicide resistance: Glyphosate

Maturity sub-group: 2

Leaf shape: Ovate

Pubescence color: Light Tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: none

- Recognized classes of 18340601 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



19002011 (10011020)

1. *19002011* is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto & Stine and marketed thru its various brands or licensees.
2. Soybean Variety 19002011 was selected for glyphosate tolerance using the single plant selection method.
3. Soybean variety 19002011 is adapted to early group 1 growing areas.
4. Soybean variety 19002011's disease and pest reaction data is not available at this time.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color:

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Brown

Herbicide resistance: Glyphosate

Maturity sub-group: 1

Leaf shape: Ovate

Pubescence color: Tawny

Flower color: White

Seed shape: Spherical flattened

Variants and other identifying characteristics: None

- Recognized classes of 19002011 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



S110014 (8214223-56)

1. *S110014* is an early maturing **Roundup Ready 2 Yield** soybean variety developed by Monsanto & Stine and marketed thru its various brands or licensees.
2. Soybean Variety S110014 was selected for glyphosate tolerance using single plant selection.
3. Soybean variety S110014 is adapted to mid group 0 growing areas.
4. Soybean variety S110014's disease and pest resistance data is not currently available.

5.

Relative maturity group: 0

Plant type: Intermediate

Hypocotyl color: light purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Tan

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Light tawny

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics: Up to 0.54% buff hilum variant has been observed

- Recognized classes of S110014 are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.
6. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is 2012.
 7. Application for PVP is not planned and descriptive data cannot be supplied to the PVP database.
 8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



90Y01 (XB009E11)

1. 90Y01 with experimental designation XB009E11 is an early maturity group 0 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 90Y01 was developed from the modified single seed descent method and was selected for yield, maturity, resistance to *Phytophthora*, iron chlorosis on calcareous soils, and Roundup® branded herbicides.
3. 90Y01 was tested in the United States and Canada. 90Y01 will be well adapted for early group 0 maturity areas with the need for *Phytophthora* and iron chlorosis resistance.
4. 90Y01 is resistant to *Phytophthora* races 4, 5, 7 and moderately resistant to iron chlorosis on calcareous soils.
5.

<u>Relative maturity group:</u> 0	<u>Maturity sub-group:</u> 0
<u>Plant type:</u> Slender	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Light Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Elongate
<u>Mature pod color:</u> Tan	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Imperfect Yellow	
<u>Herbicide resistance:</u> Glyphosate – RR1	
6. Variants and other identifying characteristics: Up to 1% brown hila may be observed.
7. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
8. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 90Y01 for the 2012 growing season in Canada and United States.
9. 90Y01 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



90Y51 (XB04Q11)

1. 90Y51 with experimental designation XB04Q11 is a mid group 0 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 90Y51 was developed from the modified single seed descent method and selected on the basis of yield, maturity, *Phytophthora* resistance, and Roundup® branded herbicides resistance.
3. 90Y51 was tested in the United States and Canada. 90Y51 will be well adapted for mid group 0 maturity areas with the need for *Phytophthora* resistance.
4. 90Y51 is resistant to *Phytophthora* races 4, 5, 7 and moderately resistant to iron chlorosis on calcareous soils.
5.

<u>Relative maturity group:</u> 0	<u>Maturity sub-group:</u> 5
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Spherical
<u>Mature pod color:</u> Brown	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Brown	
<u>Herbicide resistance:</u> Glyphosate – RR1	

Variants and other identifying characteristics: Up to 1% black hila may be observed.
6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 90Y51 for the 2012 growing season in Canada and United States.
8. 90Y51 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



90Y71 (XB07Z11)

1. 90Y71 with an experimental designation of XB07Z11 is a late group 0 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 90Y71 was developed from the modified single seed descent method and selected on the basis of yield, maturity, *Phytophthora* resistance, and Roundup® branded herbicides resistance.
3. 90Y71 was tested in the United States and Canada. 90Y71 will be well adapted for late group 0 maturity areas with the need for *Phytophthora* resistance.
4. 90Y71 is resistant to *Phytophthora* race 7 and intermediate resistance to iron chlorosis on calcareous soils.
5.

<u>Relative maturity group:</u> 0	<u>Maturity sub-group:</u> 7
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Elongate
<u>Mature pod color:</u> Tan	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Black	
<u>Herbicide resistance:</u> Glyphosate – RR1	

Variants and other identifying characteristics: Up to 1% brown hila may be observed.
6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 90Y71 for the 2012 growing season in Canada and United States.
8. 90Y71 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



90Y81 (XB07Y11)

1. 90Y81 with an experimental designation of XB07Y11 is a late group 0 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 90Y81 was developed from the modified single seed descent method and selected on the basis of yield, maturity, *Phytophthora* resistance, soybean cyst nematode resistance, and Roundup® branded herbicides resistance.
3. 90Y81 was tested in the United States and Canada. 90Y81 will be well adapted for late group 0 maturity areas with the need for *Phytophthora* and soybean cyst nematode resistance.
4. 90Y81 is resistant to *Phytophthora* race 7, resistant to race 3 and moderately resistant to race 1 of soybean cyst nematode, and moderately resistant to iron chlorosis on calcareous soils.
5.

<u>Relative maturity group:</u> 0	<u>Maturity sub-group:</u> 8
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Light Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Spherical
<u>Mature pod color:</u> Brown	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Black	
<u>Herbicide resistance:</u> Glyphosate – RR1	

Variants and other identifying characteristics: Up to 1% brown hila may be observed.
6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 90Y81 for the 2012 growing season in Canada and United States.
8. 90Y81 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



90Y90 (XB09F10)

Variety name: 90Y90 Experimental name XB09F10
Applicant Pioneer Hi-Bred International, Inc.

1. Variety 90Y90 is an F5 derived line which was advanced to the F5 generation by modified single seed descent. The F5:F6 progeny row of 90Y90 was grown in a plant row yield trial in Minnesota in the summer of 2005. Subsequently, 90Y90 has undergone five years of extensive testing and purification.
2. 90Y90 is a late group 0 variety for Canada and United States. Excellent choice for fields with a history of *Phytophthora*.
3. Variety 90Y90 was advanced on the basis of yield, maturity, *Phytophthora* and resistance to Roundup® branded herbicides.

4.

Plant type: Intermediate

Hypocotyl color: Dark Purple

Stem termination: Indeterminate

Pubescence color: Light Tawny

Relative maturity rating: 0.9

Flower color: Purple

Leaf shape: Ovate

Mature pod color: Brown

Seed shape: Spherical

Mature seed color: Yellow

Mature cotyledon color: Yellow

Mature hilum color: Brown

Herbicide resistance: Glyphosate

Variants and other identifying characteristics: Up to 1% tawny pubescence may be present.

5. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
6. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 90Y90 for the 2011 growing season in Canada and United States.
7. 90Y90 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
8. No certified seed production acreage may be published by AOSCA or certifying agencies.



91Y01 (XB10D11)

1. 91Y01 with and experimental designation of XB10D11 is an early group 1 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 91Y01 was developed from the modified single seed descent method and selected on the basis of yield, maturity, *Phytophthora* resistance, and Roundup® branded herbicides resistance.
3. 91Y01 was tested in the United States and Canada. 91Y01 will be well adapted for early group 1 maturity areas with the need for *Phytophthora* resistance.
4. 91Y01 is resistant to *Phytophthora* race 7 and moderately resistant to iron chlorosis on calcareous soils.
5.

<u>Relative maturity group:</u> 1	<u>Maturity sub-group:</u> 0
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Gray
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Elongate
<u>Mature pod color:</u> Brown	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Buff	
<u>Herbicide resistance:</u> Glyphosate – RR1	

Variants and other identifying characteristics:
6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 91Y01 for the 2012 growing season in Canada and United States.
8. 91Y01 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



91Y41 (XB14Y10)

Variety name: 91Y41 Experimental name XB14Y10

Applicant Pioneer Hi-Bred International, Inc.

1. Variety 91Y41 is an F4 derived line which was advanced to the F4 generation by modified single seed descent. The F4:F5 progeny row of 91Y41 was grown in a plant row yield trial in Canada in the summer of 2005. Subsequently, 91Y41 has undergone five years of extensive testing and purification.
2. 91Y41 is a mid group I variety for Canada and United States. Excellent choice for fields with a history of brown stem rot, *Phytophthora* and soybean cyst nematode.
3. Variety 91Y41 was advanced on the basis of yield, maturity, resistance to soybean cyst nematodes, brown stem rot, and Resistance to Roundup® branded herbicides.
4.

Plant type: Intermediate	Hypocotyl color: Dark Purple
Stem termination: Indeterminate	Pubescence color: Tawny
Relative maturity rating: 1.4	Flower color: Purple
Leaf shape: Ovate	Mature pod color: Brown
Seed shape: Spherical Flattened	Mature seed color: Yellow
Mature cotyledon color: Yellow	Mature hilum color: Brown

Herbicide resistance: Glyphosate

Variants and other identifying characteristics: This variety has a lighter brown hila but may tend toward a tan hila under certain environmental conditions.
5. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
6. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 91Y41 for the 2011 growing season in Canada and United States.
7. 91Y41 has been submitted for protection under the U.S. Plant Variety Protection Act (subject to U.S. regulatory approval) and will not elect the certification option.
8. No certified seed production acreage may be published by AOSCA or certifying agencies.



91Y61 (XB16P10)

Variety name: 91Y61 Experimental name XB16P10
Applicant Pioneer Hi-Bred International, Inc.

1. Variety 91Y61 is an F5 derived line which was advanced to the F5 generation by modified single seed descent. The F5:F6 progeny row of 91Y61 was grown in a plant row yield trial in Minnesota in the summer of 2005. Subsequently, 91Y61 has undergone five years of extensive testing and purification.
2. 91Y61 is a mid group I variety for Canada and United States.
3. Variety 91Y61 was advanced on the basis of yield, maturity, and resistance to Roundup® branded herbicides.
4.

Plant type: Intermediate	Hypocotyl color: Dark Purple
Stem termination: Indeterminate	Pubescence color: Tawny
Relative maturity rating: 1.6	Flower color: Purple
Leaf shape: Ovate	Mature pod color: Brown
Seed shape: Elongate	Mature seed color: Yellow
Mature cotyledon color: Yellow	Mature hilum color: Brown

Herbicide resistance: Glyphosate
Variants and other identifying characteristics: Up to 1% gray pubescence with imperfect black or yellow hila may be observed and brown hila may tend towards a light brown hila under certain environmental conditions.
5. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
6. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 91Y61 for the 2011 growing season in Canada and United States.
7. 91Y61 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
8. No certified seed production acreage may be published by AOSCA or certifying agencies.



91Y81 (XB17V11)

1. 91Y81 with an experimental designation of XB17V11 is a late group 1 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 91Y81 was developed from the modified single seed descent method and selected on the basis of yield, maturity, *Phytophthora* resistance, soybean cyst nematode resistance, and Roundup® branded herbicides resistance.
3. 91Y81 was tested in the United States and Canada. 91Y81 will be well adapted for late group 1 maturity areas with the need for *Phytophthora* and soybean cyst nematode resistance.
4. 91Y81 is resistant to *Phytophthora* race 7, resistant to soybean cyst nematode race 3, resistant to brown stem rot, and intermediate resistance to iron chlorosis on calcareous soils.
5.

<p><u>Relative maturity group</u>: 1</p> <p><u>Plant type</u>: Intermediate</p> <p><u>Hypocotyl color</u>: Dark Purple</p> <p><u>Cotyledon color</u>: Yellow</p> <p><u>Stem termination</u>: Indeterminate</p> <p><u>Mature pod color</u>: Brown</p> <p><u>Mature seed coat color</u>: Yellow</p> <p><u>Mature hilum color</u>: Brown</p> <p><u>Herbicide resistance</u>: Glyphosate – RR1</p>	<p><u>Maturity sub-group</u>: 8</p> <p><u>Leaf shape</u>: Ovate</p> <p><u>Pubescence color</u>: Light Tawny</p> <p><u>Flower color</u>: Purple</p> <p><u>Seed shape</u>: Elongate</p>
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6. Variants and other identifying characteristics:
Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 91Y81 for the 2012 growing season in Canada and United States.
8. 91Y81 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



92Y22 (XB22P11)

1. 92Y22 with an experimental designation of XB22P11 is an early group 2 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.
2. 92Y22 was developed from the modified single seed descent method and selected on the basis of yield, maturity, *Phytophthora* resistance, soybean cyst nematode resistance, and Roundup® branded herbicides resistance.
3. 92Y22 was tested in Illinois, Indiana, Iowa, Michigan, Minnesota, Nebraska, Ohio, Wisconsin, and Ontario and will be well adapted for early group 2 maturity areas with the need for *Phytophthora* and soybean cyst nematode resistance.
4. 92Y22 is resistant to *Phytophthora* races 4, 5, 7, resistant to race 3 and moderately resistant to race 14 of the soybean cyst nematode, resistant to frogeye leaf spot, moderately resistant to brown stem rot, and intermediate resistance to iron chlorosis on calcareous soils.
5.

<u>Relative maturity group:</u> 2	<u>Maturity sub-group:</u> 2
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Spherical
<u>Mature pod color:</u> Brown	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Brown	
<u>Herbicide resistance:</u> Glyphosate – RR1	

Variants and other identifying characteristics: Up to 1% black hila and 1% gray pubescence may be observed.
6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 92Y22 for the 2012 growing season in Canada and United States.
8. 92Y22 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
9. No certified seed production acreage may be published by AOSCA or certifying agencies.



92Y32 (XB23K11)

1. 92Y32 with an experimental designation of XB23K11 is an early group 2 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.

92Y32 was developed from an early generation single plant selection and selected on the basis of yield, maturity, *Phytophthora* resistance, soybean cyst nematode resistance, and Roundup® branded herbicides resistance.
2. 92Y32 was tested in the United States and Canada. 92Y32 will be well adapted for early group 2 maturity areas with the need for *Phytophthora* and soybean cyst nematode resistance.

92Y32 is resistant to *Phytophthora* race 7, resistant to race 3 and moderately resistant to race 14 of the soybean cyst nematode, moderately resistant to frogeye leaf spot, resistant to brown stem rot, and intermediate resistance to iron chlorosis on calcareous soils.
3.

<u>Relative maturity group:</u> 2	<u>Maturity sub-group:</u> 3
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Dark Purple	<u>Pubescence color:</u> Light Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> Purple
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Elongate
<u>Mature pod color:</u> Brown	
<u>Mature seed coat color:</u> Yellow	
<u>Mature hilum color:</u> Black	
<u>Herbicide resistance:</u> Glyphosate – RR1	
4. Variants and other identifying characteristics: Up to 1% brown hila and 1% tawny pubescence may be observed.
5. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.
6. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 92Y32 for the 2012 growing season in Canada and United States.
7. 92Y32 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.
8. No certified seed production acreage may be published by AOSCA or certifying agencies.



92Y55 (XB25Q11)

1. 92Y55 with an experimental designation of XB25Q11 is a mid group 2 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.

2. 92Y55 was developed by modified single seed descent and was selected on the basis of yield, maturity, frogeye leaf spot resistance, *Phytophthora* resistance, soybean cyst nematode resistance, and Roundup® branded herbicides resistance.

3. 92Y55 was tested in the United States and Canada. 92Y55 will be well suited for mid group 2 maturity areas with the need for frogeye leaf spot, *Phytophthora*, and soybean cyst nematode resistance.

4. 92Y55 is resistant to *Phytophthora* races 4, 5, 7, resistant to race 3 and moderately resistant to race 14 of the soybean cyst nematode, moderately resistant to frogeye leaf spot, intermediate resistance to brown tem rot, and moderately susceptible to iron chlorosis on calcareous soils.

- 5.

Relative maturity group: 2

Plant type: Intermediate

Hypocotyl color: Green with Bronze

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate – RR1

Maturity sub-group: 5

Leaf shape: Ovate

Pubescence color: Light Tawny

Flower color: White

Seed shape: Elongate

Variants and other identifying characteristics: Up to 1% brown hila and 1% imperfect black hila may be observed.

6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.

7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 92Y55 for the 2012 growing season in Canada and United States.

8. 92Y55 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.

9. No certified seed production acreage may be published by AOSCA or certifying agencies.



92Y83 (XB28AD11)

1. 92Y83 with an experimental designation of XB28AD11 is a late group 2 soybean variety developed and marketed by Pioneer Hi-Bred International, Inc.

2. 92Y83 was developed by modified single seed descent and was selected on the basis of yield, maturity, frogeye leaf spot resistance, *Phytophthora* resistance, soybean cyst nematode resistance, and Roundup® branded herbicides resistance.

3. 92Y83 was tested in the United States and Canada. 92Y83 will be well suited for late group 2 maturity areas with the need for frogeye leaf spot, *Phytophthora*, and soybean cyst nematode resistance.

4. 92Y83 is resistant to *Phytophthora* races 4, 5 and 7, resistant to race 3 and moderately resistant to race 14 of the soybean cyst nematode, resistant to frogeye leaf spot, intermediate resistance to brown stem rot, and intermediate resistance to iron chlorosis on calcareous soils.

- 5.

Relative maturity group: 2

Plant type: Intermediate

Hypocotyl color: Green with Bronze

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Tan

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Glyphosate – RR1

Maturity sub-group: 8

Leaf shape: Ovate

Pubescence color: Light Tawny

Flower color: White

Seed shape: Spherical-Flattened

Variants and other identifying characteristics:

6. Pioneer Hi-Bred International, Inc. will maintain seed at levels equivalent to Foundation, Registered, and Certified seed for customers. Royalty fees and/or production information is Pioneer Hi-Bred International, Inc. Confidential.

7. Pioneer Hi-Bred International, Inc. will sell non-certified seed of 92Y83 for the 2012 growing season in Canada and United States.

8. 92Y83 has received protection under the U.S. Plant Variety Protection Act and did not elect the certification option.

9. No certified seed production acreage may be published by AOSCA or certifying agencies.



WN0912598 (X2R2710)

1. WN0912598 (X2R2710) is a Mid Group II Roundup Ready 2 Yield soybean variety and will be marketed by Syngenta Seeds Inc.
2. Confidential
3. WN0912598 was tested in 57 locations in 2010-11 in the Midwest where Mid to Late Group II varieties are adapted.
4. WN0912598 has Rps 1-c for phytophthora, susceptible to SCN and has an intermediate rating to iron deficiency Chlorosis.
5.

<u>Relative maturity group:</u> II	<u>Maturity sub-group:</u> 2.7
<u>Plant type:</u> Intermediate	<u>Leaf shape:</u> Ovate
<u>Hypocotyl color:</u> Green	<u>Pubescence color:</u> Light Tawny
<u>Cotyledon color:</u> Yellow	<u>Flower color:</u> White
<u>Stem termination:</u> Indeterminate	<u>Seed shape:</u> Spherical flattened
<u>Mature pod color:</u> Brown	
<u>Mature seed coat color:</u> yellow	
<u>Mature hilum color:</u> Black	
<u>Herbicide resistance:</u> Roundup Ready 2 Yield	

Variants and other identifying characteristics: May contain up to 0.5% other hila. Otherwise WN0912598 is uniform and stable.

Recognized classes of WN0912598 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
6. December 2011
7. Application for PVP is anticipated.
8. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



WN0912882 (X2R2415)

1. WN0912882 (X2R2415) is a Mid Group II Roundup Ready 2 Yield soybean variety and will be marketed by Syngenta Seeds Inc.
2. WN0912882 was selected based on yield and relative maturity plus resistance to Roundup.
3. WN0912882 was tested in 57 locations over two years in the Midwest where mid group II varieties are adapted.

4. WN0912882 has Rps 1-c for phytophthora (resistant to races 1, 3 and 7 and susceptible to race 4 of phytophthora), susceptible to race 3 of SCN and is moderately resistant to iron deficiency Chlorosis.

5.

Relative maturity group: II

Plant type: Intermediate

Hypocotyl color: Green

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Buff

Herbicide resistance: RR2Y

Maturity sub-group: 2.4

Leaf shape: Ovate

Pubescence color: Gray

Flower color: White

Seed shape: Spherical flattened

Variants and other identifying characteristics: May contain up to 0.5% other hila. Otherwise WN0912882 is uniform and stable.

6. Recognized classes of WN0912882 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is December 2011.
8. Application for PVP is anticipated.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



WN0912883 (X2R2912)

1. WN0912883 (X2R2912) is a Late Group II Roundup Ready 2 Yield soybean variety and will be marketed by Syngenta Seeds Inc.
2. WN0912883 was selected based on yield and relative maturity plus resistance to Roundup.
3. WN0912883 was tested in 57 locations where Late Group II varieties are adapted.

4. WN0912883 has Rps 1-c for phytophthora (resistant to races 1, 3 and 7 and susceptible to race 4 of phytophthora), resistant to race 3 and moderately resistant to race 14 of SCN and has an intermediate rating to iron Chlorosis.

5.

Relative maturity group: II

Plant type: Bushy

Hypocotyl color: Light Purple

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Tan

Mature seed coat color Yellow

Mature hilum color: Imperfect Black

Herbicide resistance: Roundup Ready 2 Yield

Maturity sub-group: 2.9

Leaf shape: Ovate

Pubescence color: Gray

Flower color: Purple

Seed shape: Spherical flattened

Variants and other identifying characteristics:

May contain up to 0.5% other hila. Otherwise WN0912883 is uniform and stable.

6. Recognized classes of WN0912883 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is December 2011.
8. Application for PVP is anticipated.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



WN0913501 (X2R2616)

1. WN0913501 (X2R2616) is a Mid Group II Roundup Ready 2 Yield soybean variety and will be marketed by Syngenta Seeds Inc.
2. WN0913501 was selected based on yield and relative maturity plus resistance to Roundup.
3. WN0913501 was tested in 31 locations in 2011 in the Midwest where Mid Group II varieties are adapted.

4. WN0913501 has Rps 1-c for phytophthora (resistant to races 1, 3 and 7 and susceptible to race 4 of phytophthora), moderately resistant to race 3 of SCN and is resistant to Iron Deficiency Chlorosis.

5.

Relative maturity group: II

Plant type: Intermediate

Hypocotyl color: Green

Cotyledon color: Yellow

Stem termination: Indeterminate

Mature pod color: Brown

Mature seed coat color: Yellow

Mature hilum color: Black

Herbicide resistance: Roundup Ready 2 Yield

Maturity sub-group: 2.6

Leaf shape: Ovate

Pubescence color: Light tawny

Flower color: White

Seed shape: Spherical flattened.

Variants and other identifying characteristics: May contain up to 0.5% other hila. Otherwise WN0913501 is uniform and stable.

6. Recognized classes of WN0913501 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
7. The likely date that certified seed will first be offered for sale if the variety is accepted as eligible for certification is December 2011.
8. Application for PVP is anticipated.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



CL0911144 (X2R0611)

1. CL0911144 (X2R0611) is a mid MG0 soybean with the RR2Y gene ® to be marketed by Syngenta Seeds, Inc
2. CL0911144 was selected for its yield performance against similar maturity checks.
3. CL0911144 is adapted to MG0 regions of the US and Canada.
4. CL0911144 carries the Rps3a gene for resistance to Phytophthora and the races 1, 3 and 4.
5.

Relative maturity group: 0	Maturity sub-group: 6
Plant type: Slender	Leaf shape: Ovate
Hypocotyl color: Light Purple	Pubescence color: Gray
Cotyledon color: Yellow	Flower color: Purple
Stem termination: Indeterminate	Seed shape: Spherical
Mature pod color: Tan	Phytophthora Gene: Rps3a
Mature seed coat color: Yellow	
Mature hilum color: Imperfect black	
Herbicide resistance: RR2Y	

Variants and other identifying characteristics:

May contain up to 0.5% other hilum. Otherwise CL0911144 is uniform and stable.

- Recognized classes of CL0911144 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
6. Certified seed will likely be offered in December 2011.
 8. CL0911144 has been submitted for protection under the U.S. Plant Variety Protection Act (subject to U.S. regulatory approval) and will not elect the certification option.
 9. No certified seed production acreage may be published by AOSCA or certifying agencies.



CL0911650-2 (X2R0912)

1. CL0911650-2 (X2R0912) is a late maturing late group 0 Roundup Ready 2 soybean variety and will be marketed by Syngenta Seeds Inc.
2. CL0911650-2 was selected for its yield performance against similar maturity checks.
3. CL0911650-2 was tested in 29 locations where late group 0 varieties were adapted.
4. CL0911650-2 has Rps1c and resistant to races 1, 3 and 7, and is susceptible to race 4.
5.

Relative maturity group: 0	Maturity sub-group: 9
Plant type: Intermediate	Leaf shape: Ovate
Hypocotyl color: Light purple	Pubescence color: Light Tawny
Cotyledon color: Yellow	Flower color: Purple
Stem termination: Indeterminate	Seed shape: Spherical
Mature pod color: Brown	Seed Size: 2200 seeds/lbs
Mature seed coat color: Yellow	
Mature hilum color: Imperfect Yellow	
Herbicide resistance: RR2Y	
<u>Variants and other identifying characteristics:</u>	
May contain up to 0.5% other hilum. Otherwise CL0911650-2 is uniform and stable.	
6. Recognized classes of CL0911650-2 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
7. Certified seed will likely be offered in December 2011.
8. CL0911650-2 has been submitted for protection under the U.S. Plant Variety Protection Act (subject to U.S. regulatory approval) and will not elect the certification option.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



OW1012932

1. OW1012932 is a late maturing group1 Roundup Ready 2 soybean variety and will be marketed by Syngenta Seeds Inc.
2. OW1012932 was selected for its yield performance against similar maturity checks.
3. OW1012932 was tested in 30 locations where late group 1 varieties were adapted.
4. OW1012932 has SCN source PI88788 and carries resistance to Race 3 and moderate resistance to Race 14.
5.

Relative maturity group: 1	Maturity sub-group: 8
Plant type: Intermediate	Leaf shape: N/A
Hypocotyl color: Light purple	Pubescence color: Light tawny
Cotyledon color: Yellow	Flower color: Purple
Stem termination: Indeterminate	Seed shape: Spherical flattened
Mature pod color: Tan	
Mature seed coat color: yellow	
Mature hilum color: Black	
Herbicide resistance: RR2Y	

Variants and other identifying characteristics:

May contain up to 0.5% other hilum. Otherwise OW1012932 is uniform and stable.

6. Recognized classes of OW1012932 are breeder, foundation, registered, and certified. Syngenta Seeds Inc will maintain the variety and breeder seed as needed. Syngenta will also produce all foundation seed. No royalty fees or licensing agreements are anticipated.
7. Certified seed will likely be offered in December 2011.
8. OW1012932 will be submitted for protection under the U.S. Plant Variety Protection Act (subject to U.S. regulatory approval) and will not elect the certification option..
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



MK9120 (SB313)

1. MK9120 is a mid maturity group I (MG 1.4) black seeded type developed for the food market by University of Minnesota – Minnesota Agricultural Experiment Station and Richland Organic and will be marketed by Richland Organic.
2. MK9120 was selected for black seed coat and large seed size by a modified single seed descent procedure.
3. MK9120 was tested in central and southern Minnesota and is well adapted to the soils and climate of the area.
4. MK9120 is resistant to *Phytophthora* root rot race 1 conferred by the gene *Rpsla*.

5.

<u>Relative maturity group:</u>	1	<u>Maturity sub-group:</u>	4
<u>Plant type:</u>	Bushy	<u>Leaf shape:</u>	Ovate
<u>Hypocotyl color:</u>	Dark Purple	<u>Pubescence color:</u>	Tawny
<u>Cotyledon color:</u>	Yellow	<u>Flower color:</u>	Purple
<u>Stem termination:</u>	Indeterminant	<u>Seed shape:</u>	Spherical flattened
<u>Mature pod color:</u>	Brown		
<u>Mature seed coat color:</u>	Black		
<u>Mature hilum color:</u>	Black		
<u>Herbicide resistance:</u>	None		

Variants and other identifying characteristics:

Up to 0.5% field variants and up to 0.5% yellow seed coat seeds may be present in some seed lots.

Field variants may be flower color or pubescence color variants.

Seed variants may be yellow seed coats.

- The University of Minnesota – Minnesota Agricultural Experiment Station will maintain breeder seed by the plant-row method. The Minnesota Crop Improvement Association (MCIA) will be responsible for Foundation and Certified seed classes. This variety will be licensed and royalty fees collected by the University of Minnesota with the assistance of MCIA.
- 6.
 7. Certified seed will be available no sooner than spring 2012.
 8. Application for PVP is not currently planned and descriptive data can be supplied to the PVP database.
 9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



MN0209SP (M02-349008)

1. MN0209SP (M02-349008) is an early maturing (MG 0.2) small seeded variety developed by the University of Minnesota-Minnesota Agricultural Experiment Station. It is intended for food uses that use small seeded soybeans.
2. MN0209SP was selected for early maturity, small seed size, and resistance to phytophthora root rot and iron chlorosis using a modified single seed descent procedure.
3. MN0209SP was tested in northwestern Minnesota and is well adapted to the soils and growing conditions in that area.
4. MN0209SP is resistant to *Phytophthora* root rot race 1 conferred by the gene *Rpsla*.

5.

<u>Relative maturity group:</u>	0	<u>Maturity sub-group:</u>	2
<u>Plant type:</u>	Slender	<u>Leaf shape:</u>	Ovate
<u>Hypocotyl color:</u>	Dark Purple	<u>Pubescence color:</u>	Gray
<u>Cotyledon color:</u>	Yellow	<u>Flower color:</u>	Purple
<u>Stem termination:</u>	Indeterminant	<u>Seed shape:</u>	Spherical
<u>Mature pod color:</u>	Tan		
<u>Mature seed coat color:</u>	Yellow		
<u>Mature hilum color:</u>	Yellow		
<u>Herbicide resistance:</u>	None		

Variants and other identifying characteristics:

Up to 0.5% field variants and up to 0.5% other hila may be present in some seed lots.
Field variants may be flower color or pubescence color variants.
Seed variants may be other color hila.

6. The University of Minnesota – Minnesota Agricultural Experiment Station will maintain breeder seed by the plant-row method. The Minnesota Crop Improvement Association (MCIA) will be responsible for Foundation and Certified seed classes. This variety will be licensed and royalty fees collected by the University of Minnesota with the assistance of MCIA.
7. Certified seed will be available no sooner than spring 2013.
8. Application for PVP is not currently planned and descriptive data can be supplied to the PVP database.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



MN0210SP (M02-349053)

1. MN0210SP (M02-349053) is an early maturing (MG 0.2) small seeded variety developed by the University of Minnesota-Minnesota Agricultural Experiment Station. It is intended for food uses that use small seeded soybeans.
2. MN0210SP was selected for early maturity, small seed size, and resistance to phytophthora root rot and iron chlorosis using a modified single seed descent procedure.
3. MN0210SP was tested in northwestern Minnesota and is well adapted to the soils and growing conditions in that area.
4. MN0210SP is resistant to *Phytophthora* root rot race 1 conferred by the gene *Rpsla*.

5.

<u>Relative maturity group:</u>	0	<u>Maturity sub-group:</u>	2
<u>Plant type:</u>	Slender	<u>Leaf shape:</u>	Ovate
<u>Hypocotyl color:</u>	Dark Purple	<u>Pubescence color:</u>	Gray
<u>Cotyledon color:</u>	Yellow	<u>Flower color:</u>	Purple
<u>Stem termination:</u>	Indeterminant	<u>Seed shape:</u>	Spherical
<u>Mature pod color:</u>	Tan		
<u>Mature seed coat color:</u>	Yellow		
<u>Mature hilum color:</u>	Yellow		
<u>Herbicide resistance:</u>	None		

Variants and other identifying characteristics:

Up to 0.5% field variants and up to 0.5% other hila may be present in some seed lots.
Field variants may be flower color or pubescence color variants.
Hilum color variants may be other hilum colors.

6. The University of Minnesota – Minnesota Agricultural Experiment Station will maintain breeder seed by the plant-row method. The Minnesota Crop Improvement Association (MCIA) will be responsible for Foundation and Certified seed classes. This variety will be licensed and royalty fees collected by the University of Minnesota with the assistance of MCIA.
7. Certified seed will be available no sooner than spring 2013.
8. Application for PVP is not currently planned and descriptive data can be supplied to the PVP database.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.



MN1401BL (Black 1401)

1. MN1401BL is a mid maturity group I (MG 1, 4) black seeded type developed for the food market by selecting a black mutant found in foundation seed of MN1401 and developed by University of Minnesota – Agricultural Experiment Station.
2. MN1401BL was selected for black seed coat and all other traits the same as MN1401.
3. MN1401BL was tested in central and southern Minnesota and is well adapted to the soils and climate of the area.
4. MN1401BL is resistant to *Phytophthora* root rot race 1 conferred by the gene *Rpsla*.

5.

<u>Relative maturity group:</u>	1	<u>Maturity sub-group:</u>	4
<u>Plant type:</u>	Bushy	<u>Leaf shape:</u>	Ovate
<u>Hypocotyl color:</u>	Dark Purple	<u>Pubescence color:</u>	Tawny
<u>Cotyledon color:</u>	Yellow	<u>Flower color:</u>	Purple
<u>Stem termination:</u>	Indeterminant	<u>Seed shape:</u>	Spherical flattened
<u>Mature pod color:</u>	Brown		
<u>Mature seed coat color:</u>	Black		
<u>Mature hilum color:</u>	Black		
<u>Herbicide resistance:</u>	None		

Variants and other identifying characteristics:

Up to 0.5% field variants and up to 0.5% yellow seed coats may be present in some seed lots. Field variants may be flower color or pubescence color variants. Seed variants may be yellow seed coat variants.

6. The University of Minnesota – Minnesota Agricultural Experiment Station will maintain breeder seed by the plant-row method. The Minnesota Crop Improvement Association (MCIA) will be responsible for Foundation and Certified seed classes. This variety will be licensed and royalty fees collected by the University of Minnesota with the assistance of MCIA.
7. Certified seed will be available no sooner than spring 2013.
8. Application for PVP is not currently planned and descriptive data can be supplied to the PVP database.
9. Certified seed production acreage is not to be published by AOSCA and certifying agencies.

