A REPORT OF THE

NATIONAL SOYBEAN VARIETY REVIEW BOARD

ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

NATIONAL SOYBEAN VARIETY REVIEW BOARD REPORT ©2010
Copyrighted Material of the Association of Official Seed Certifying Agencies (AOSCA)
The Association of Official Seed Certifying Agencies (AOSCA) National Soybean Variety Review Board reviewed the following varieties on February 18, 2010. 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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AOSCA
1601 52nd Ave., Suite 1
Moline, Illinois 61265

Telephone (309) 736-0120
Fax (309) 736-0115
E-Mail cboruff@aosca.org

Respectfully submitted,

John Armstrong, Chair
National Soybean Variety Review Board
# 2010 AOSCA SOYBEAN NVRB

## TABLE OF CONTENTS

**Placing the cursor over the desired variety/experimental designation & clicking will take you directly to the summary description.**

<table>
<thead>
<tr>
<th>Company</th>
<th>Page</th>
<th>Amendment</th>
<th>Variety Name</th>
<th>Experimental Designation</th>
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2010 Soybean NVRB
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Variety name: 201007933  Experimental name: 2007CA339
Applicant: Global Soy Genetics, LLC.

1. The variety 201007933 was developed from the cross S05CA-203 x Prosoy. The variety was selected for yellow hilum, early maturity, high protein levels, and improved yield.

2. 201007933 is a conventional soybean variety adapted to areas growing group 0 varieties. The variety was tested in eastern North Dakota and western Minnesota. Seed will be available for sale in that area.

3. 201007933 has not been tested against any biotic soybean diseases. It is moderately susceptible to iron chlorosis on soils with high pH.

4. 
   Plant type: Intermediate  
   Hypocotyl color: Light purple  
   Stem termination: Indeterminate  
   Pubescence color: Gray  
   Relative maturity rating: 0.7  
   Flower color: Purple  
   Leaf shape: Ovate  
   Mature pod color: Tan  
   Seed shape: Spherical Flattened  
   Mature seed color: Yellow  
   Mature cotyledon color: Yellow  
   Mature hilum color: Yellow  
   Herbicide resistance: None  
   Variants and other identifying characteristics: 201007933 has a black hilum impurity at a < 1/10,000 ratio

5. Foundation, registered, and certified seed class will be recognized. Global Soy Genetics, LLC. is responsible for maintaining the variety. 201007933 is subject to collection of a royalty fee and production under a licensing agreement.

6. Certified seed will likely be available for the 2011 growing season.

7. Application for PVP protection is not planned: descriptive information may be supplied to the PVP office.

8. Certified seed production acreage may not be published by AOSCA and certifying agencies.
1. The variety GSG 1805 was developed from the cross 1110110222 x SRF20227. The variety was selected for yellow hilum, early maturity, moderate resistance to iron deficiency chlorosis, and improved yield.

2. GSG 1805 is a conventional soybean variety adapted to areas growing group 0 varieties. The variety was tested in eastern North Dakota and western Minnesota. Seed will be available for sale in that area.

3. GSG 1805 has not been tested for resistance to biotic soybean diseases. GSG 1805 is moderately resistant to iron deficiency chlorosis on soils with high pH.

4. Plant type: Intermediate  
   Hypocotyl color: Light purple  
   Stem termination: Indeterminate  
   Pubescence color: Gray  
   Relative maturity rating: 0.6  
   Flower color: Purple  
   Leaf shape: Lanceolate  
   Mature pod color: Brown  
   Seed shape: Spherical/Flattened  
   Mature seed color: Yellow  
   Herbicide resistance: None  
   Mature cotyledon color: Yellow  
   Mature hilum color: Yellow  
   Variants and other identifying characteristics: GSG 1805 has a black hilum impurity at a < 1/1,000 ratio.

5. Foundation, registered, and certified seed class will be recognized. Global Soy Genetics, LLC. is responsible for maintaining the variety. GSG 1805 is subject to collection of a royalty fee and production under a licensing agreement.

6. Certified seed will likely be available for the 2011 growing season.

7. Application for PVP protection is not planned: descriptive information may be supplied to the PVP office.

8. Certified seed production acreage may not be published by AOSCA and certifying agencies.
GSG 2903

Variety name: GSG 2903
Experimental name: 07CA329
Applicant: Global Soy Genetics LLC.

1. The variety GSG 2903 was developed from the cross 15900040 x SRF20227. The variety was selected for excellent standability, early maturity, and improved yield.

2. GSG 2903 is a conventional soybean variety adapted to areas growing group 0 or 00 varieties. The variety was tested in eastern North Dakota and will be available for sale in that area.

3. GSG 2903 has not been tested against any soybean diseases.

4. Plant type: Slender
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.1
   Flower color: Purple
   Leaf shape: Lanceolate
   Mature pod color: Tan
   Seed shape: Elongate Flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Imperfect yellow
   Herbicide resistance: None
   Variants and other identifying characteristics: GSG 2903 has a black hilum variant at a <1/1,000 ratio

5. Foundation, registered, and certified seed class will be recognized. Global Soy Genetics, LLC. is responsible for maintaining the variety. GSG 2903 is subject to collection of a royalty fee and production under a licensing agreement.

6. Certified seed will likely be available for the 2011 growing season.

7. Application for PVP protection is not planned. Descriptive information may be supplied to the PVP office.

8. Certified seed production acreage may not be published by AOSCA and certifying agencies.
IA3027RA1

Variety name: IA3027RA1
Experimental name: IA3027RA1
Applicant: Iowa State University Research Foundation, Inc.

1. IA3027RA1 is made up of 18 BC$_3$F$_2$ derived lines. Lines with the *Rag1* gene were selected for further evaluation throughout the development history.

2. IA3027RA1 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3027RA1 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4. 

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant type:</td>
<td>intermediate</td>
</tr>
<tr>
<td>Hypocotyl color:</td>
<td>green</td>
</tr>
<tr>
<td>Stem termination:</td>
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</tr>
<tr>
<td>Pubescence color:</td>
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</tr>
<tr>
<td>Relative maturity rating</td>
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<tr>
<td>Flower color:</td>
<td>white</td>
</tr>
<tr>
<td>Leaf shape:</td>
<td>ovate</td>
</tr>
<tr>
<td>Mature pod color:</td>
<td>tan</td>
</tr>
<tr>
<td>Seed shape:</td>
<td>elongate</td>
</tr>
<tr>
<td>Mature seed color:</td>
<td>yellow</td>
</tr>
<tr>
<td>Mature cotyledon color:</td>
<td>yellow</td>
</tr>
<tr>
<td>Herbicide resistance:</td>
<td>none</td>
</tr>
<tr>
<td>Mature hilum color:</td>
<td>yellow</td>
</tr>
</tbody>
</table>

5. 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. IA3027RA1 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA3043

Variety name: IA3043 Experimental name: A07-621064

Applicant: Iowa State University Research Foundation, Inc.

1. IA3043 is a F3 plant selection from the cross Dairyland 99618-31 X IA3025. Lines with less than 1.5% linolenic acid were selected for further evaluation throughout the development history.

2. IA3043 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3043 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4. Plant type: intermediate
   Hypocotyl color: dark purple
   Stem termination: indeterminate
   Pubescence color: tawny
   Relative maturity rating: 3.9
   Flower color: purple
   Leaf shape: ovate
   Mature pod color: brown
   Seed shape: elongate
   Mature seed color: yellow
   Mature cotyledon color: yellow
   Mature hilum color: black
   Herbicide resistance: none
   Variants and other identifying characteristics: IA3043 has about 1.3% linolenic acid compared with about 7.5% linolenic acid in conventional varieties. Seed must meet genetic purity standards and have a linolenic acid content of 2% or less to be certified.

5. 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. IA3043 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA3044

Variety name: IA3044
Experimental name: A07-622070
Applicant: Iowa State University Research Foundation, Inc.

1. IA3044 is a F3 plant selection from the cross Dairyland 98820-33 X IA3025. Lines with less than 1.5% linolenic acid were selected for further evaluation throughout the development history.

2. IA3044 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3044 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4. Plant type: intermediate
   Hypocotyl color: dark purple
   Stem termination: indeterminate
   Pubescence color: gray
   Relative maturity rating: 3.5
   Flower color: purple
   Leaf shape: ovate
   Mature pod color: brown
   Seed shape: elongate
   Mature seed color: yellow
   Mature cotyledon color: yellow
   Mature hilum color: buff
   Herbicide resistance: none

   Variants and other identifying characteristics: IA3044 has about 1.3% linolenic acid compared with about 7.5% linolenic acid in conventional varieties. Seed must meet genetic purity standards and have a linolenic acid content of 2% or less to be certified. Up to 1% hilum color other than buff.

5. 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. IA3044 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA3045

Variety name: IA3045  Experimental name: A07-425058
Applicant: Iowa State University Research Foundation, Inc.

1. IA3045 is a F3 plant selection from the cross IA3027 x IA2053. Lines with large size and high protein were selected for further evaluation throughout the development history.

2. IA3045 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3046 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4. Plant type: intermediate  Hypocotyl color: green
   Stem termination: indeterminate  Pubescence color: light tawny
   Relative maturity rating: 3.1  Flower color: white
   Leaf shape: ovate  Mature pod color: tan
   Seed shape: elongate  Mature seed color: yellow
   Mature cotyledon color: yellow  Mature hilum color: yellow
   Herbicide resistance: none

5. 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. IA3045 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA3046

Variety name: IA3046  Experimental name A07-525012
Applicant Iowa State University Research Foundation, Inc.

1. IA3046 is a F3 plant selection from the cross A03-846032 x (AgriPro 97023-A99-03284 x IA1018). Lines with large size and high protein were selected for further evaluation throughout the development history.

2. IA3046 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3046 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4. Plant type: intermediate  Hypocotyl color: dark purple
   Stem termination: indeterminate  Pubescence color: gray
   Relative maturity rating: 3.0  Flower color: purple
   Leaf shape: ovate  Mature pod color: brown
   Seed shape: elongate  Mature seed color: yellow
   Mature cotyledon color: yellow  Mature hilum color: yellow
   Herbicide resistance: none

   Variants and other identifying characteristics:

5. 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. IA3046 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA3047

Variety name: IA3047
Experimental name: A07-525032
Applicant: Iowa State University Research Foundation, Inc.

1. IA3047 is a F3 plant selection from the cross IA3027 x IA2053. Lines with large size and high protein were selected for further evaluation throughout the development history.

2. IA3047 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3047 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4. Plant type: intermediate
   Hypocotyl color: green
   Stem termination: indeterminate
   Pubescence color: gray
   Relative maturity rating: 3.0
   Flower color: white
   Leaf shape: ovate
   Mature pod color: tan
   Seed shape: elongate
   Mature seed color: yellow
   Mature cotyledon color: yellow
   Mature hilum color: yellow
   Herbicide resistance: none

   Variants and other identifying characteristics:

5. 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. IA3047 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA3048

Variety name: IA3048
Experimental name A06-911034
Applicant Iowa State University Research Foundation, Inc.

1. IA3048 is a F3 plant selection from the cross Dairyland 99540 x IA2068. Lines with SCN resistance and yellow hilum were selected for further evaluation throughout the development history.

2. IA3048 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA3048 has not been tested against soybean diseases. It is resistant to HG Type 0 of SCN. It is moderately susceptible to Iron chlorosis on calcareous soils.

4. 
   Plant type: intermediate
   Hypocotyl color: green
   Stem termination: indeterminate
   Pubescence color: gray
   Relative maturity rating: 3.5
   Flower color: white
   Leaf shape: ovate
   Mature pod color: brown
   Seed shape: elongate
   Mature seed color: yellow
   Mature cotyledon color: yellow
   Mature hilum color: yellow
   Herbicide resistance: none
   Variants and other identifying characteristics:

5. 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. IA3048 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA4005

Variety name: IA4005
Experimental name: A07-622013
Applicant: Iowa State University Research Foundation, Inc.

1. IA4005 is a F3 plant selection from the cross IA3023 X IA3025. Seeds with less than 1.5% linolenic acid were selected for further evaluation throughout the development history.

2. IA4005 will be grown in the southern half of Iowa and similar latitudes in other parts of the United States.

3. IA4005 has not been tested against soybean diseases. It has intermediate susceptibility to Iron chlorosis on calcareous soils.

4.  
   Plant type: intermediate
   Hypocotyl color: green
   Stem termination: indeterminate
   Pubescence color: tawny
   Relative maturity rating: 4.2
   Flower color: white
   Leaf shape: ovate
   Mature pod color: brown
   Seed shape: elongate
   Mature seed color: yellow
   Mature cotyledon color: yellow
   Mature hilum color: black
   Herbicide resistance: none

   Variants and other identifying characteristics: IA4005 has about 1.3% linolenic acid compared with about 7.5% linolenic acid in conventional varieties. Seed must meet genetic purity standards and have a linolenic acid content of 2% or less to be certified.

5. 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. IA4005 is subject to collection of a royalty fee and production under a licensing agreement.

6. Breeder seed was offered for planting in Argentina in November 2009 for production of certified seed by licensees.

7. 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.

8. Certified seed production acreage can not be published by AOSCA and certifying agencies.
IA1008 (Amendment)

IA1008 is a maturity group I variety. It has white flowers, gray pubescence, brown pods, and yellow hila seed with a dull seed coat luster. **It may have up to 2% purple flowered variants.**
IA2020 (Amendment)

IA2020 is a tofu type soybean variety of Maturity Group II. It has larger seed size and yields greater than Vinton 81 and HP204. It has purple flowers, gray pubescence, brown pods, and seeds with dull seed coats and yellow hila. It may have up to 2% white flowered variants.
A1015631

Variety name: A1015631 Experimental name 

Applicant Monsanto Technology, LLC

1. Soybean variety A1015631 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Jul 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2006</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2006</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1015631 is adapted to mid group 0 growing areas.

3. Soybean variety A1015631 is resistant to glyphosate.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 0.4
   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: Grey
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .03% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1019993

Variety name: A1019993
Experimental name ____________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1019993 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Aug 2005</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Feb 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>July 2006</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Nov 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1019993 is adapted to mid group 1 growing areas.

3. Soybean variety A1019993 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Light tawny
   Relative maturity rating: 1.5
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1020074  
Experimental name ________________________________  
Applicant  Monsanto Technology, LLC  

1. Soybean variety A1020074 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Sept 2005</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>May 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Nov 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1020074 is adapted to mid group 2 growing areas.

3. Soybean variety A1020074 is glyphosate resistant.

4.  
   Plant type: Intermediate  
   Hypocotyl color: Light purple  
   Stem termination: Indeterminate  
   Pubescence color: Light tawny  
   Relative maturity rating: 2.5  
   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: Black  
   Herbicide resistance: Glyphosate  
   Variants and other identifying characteristics: Up to .12% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1020078

Variety name: A1020078  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1020078 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Sept 2005</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>May 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Nov 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1020078 is adapted to mid group 2 growing areas.

3. Soybean variety A1020078 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color:
   Stem termination: Indeterminate  Pubescence color: Light tawny
   Relative maturity rating: 2.6  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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .05% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1020079

Variety name: A1020079  Experimental name ____________________________
Applicant  Monsanto Technology, LLC ____________________________

1. Soybean variety A1020079 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Sept</td>
<td>2005</td>
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<tr>
<td>F1</td>
<td>May</td>
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</tr>
<tr>
<td>F2</td>
<td>Nov</td>
<td>2006</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>May</td>
<td>2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Nov</td>
<td>2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1020079 is adapted to mid group 2 growing areas of Canada.

3. Soybean variety A1020079 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color:  
Stem termination: Indeterminate  Pubescence color: Light tawny  
Relative maturity rating: 2.5  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: Black  
Herbicide resistance: Glyphosate  
Variants and other identifying characteristics: Up to .10% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1020083 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRTY, etc.</th>
</tr>
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<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1020083 is adapted to mid group 2 growing areas.

3. Soybean variety A1020083 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color:
   Stem termination: Indeterminate
   Pubescence color: Light tawny
   Relative maturity rating: 2.6
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate
   Mature hilum color: Black

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: **A1020085**  
Experimental name  
Applicant **Monsanto Technology, LLC**

1. Soybean variety A1020085 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
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<tbody>
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<td>Bulk</td>
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<td>F2</td>
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<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
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<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1020085 is adapted to mid group 2 growing areas in Canada

3. Soybean variety A1020085 is glyphosate resistant.

4. 

- **Plant type:** Intermediate  
- **Hypocotyl color:**  
- **Stem termination:** Indeterminate  
- **Pubescence color:** light tawny  
- **Relative maturity rating:** 2.5  
- **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:** black  
- **Herbicide resistance:** glyphosate  
- **Variants and other identifying characteristics:** Up to .06% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1020086

Variety name: A1020086
Experimental name

Applicant Monsanto Technology, LLC

1. Soybean variety A1020086 breeding history can be summarized as follows:

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<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</thead>
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<td>F1</td>
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<td>F2</td>
<td>Nov 2006</td>
<td>Bulk</td>
<td></td>
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<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1020086 is adapted to mid group 2 growing areas of Canada.

3. Soybean variety A1020086 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color:
   Stem termination: Indeterminate
   Pubescence color: Light tawny
   Relative maturity rating: 2.5
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .03% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
A1020087

Variety name: A1020087
Experimental name: 
Applicant: Monsanto Technology, LLC

1. Soybean variety A1020087 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Prow</td>
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<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1020087 is adapted to mid group 2 growing areas of Canada.

3. Soybean variety A1020087 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color:
   Stem termination: Indeterminate
   Pubescence color: Light tawny
   Relative maturity rating: 2.5
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1022840

Variety name: A1022840                                              Experimental name
Applicant: Monsanto Technology, LLC

1. Soybean variety A1022840 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Bulk</td>
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<td>SPS</td>
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</tr>
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<td>F3</td>
<td>Jun 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
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</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1022840 is adapted to mid group 1 growing areas.

3. Soybean variety A1022840 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Green
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 1.5
   Flower color: White
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1023182 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<tbody>
<tr>
<td>Cross</td>
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<tr>
<td>F1</td>
<td>Sept 2006</td>
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<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023182 is adapted to mid group 2 growing areas of Canada.

3. Soybean variety A1023182 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 2.4
   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: Imperfect black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023198

Variety name: A1023198
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1023198 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
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</tr>
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<td>F1</td>
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<td>Bulk</td>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
</tr>
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<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
</tr>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1023198 is adapted to mid group 2 growing areas of Canada.

3. Soybean variety A1023198 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color: 
   Stem termination: Indeterminate  
   Pubescence color: Grey  
   Relative maturity rating: 2.5  
   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: Imperfect black  
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023484

Variety name: A1023484  Experimental name 
Applicant Monsanto Technology, LLC

1. Soybean variety A1023484 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Cross</td>
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</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
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<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023484 is adapted to early group 0 growing areas.

3. Soybean variety A1023484 is glyphosate resistant

4. Plant type: Intermediate  Hypocotyl color: Dark purple
Stem termination: Indeterminate  Pubescence color: Tawny
Relative maturity rating: 0.1  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: Black
Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023485

Variety name: A1023485  Experimental name ____________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1023485 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Sept 2006</td>
<td>Bulk</td>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
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<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
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<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023485 is adapted to early group 0 growing areas.

3. Soybean variety A1023485 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 0.1  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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1023510
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1023510 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
<td>Feb  2007</td>
<td>Bulk</td>
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<td>F3</td>
<td>May  2007</td>
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<td>Prow</td>
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<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May  2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023510 is adapted to group 0 growing areas.

3. Soybean variety A1023510 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.1
   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: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023511

Variety name: A1023511
Experimental name: ________________________________

Applicant: Monsanto Technology, LLC

1. Soybean variety A1023511 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
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<tr>
<td>F1</td>
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<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
</tr>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean Variety A1023511 is adapted to early group 0 growing areas.

3. Soybean Variety A1023511 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.0
   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: Black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023512

Variety name: A1023512
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1023512 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</thead>
<tbody>
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<td>F1</td>
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<tr>
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<td>Feb 2007</td>
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</tr>
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<td>F3</td>
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<td>F4</td>
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<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023512 is adapted to mid group 0 growing areas.

3. Soybean variety A1023512 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.5
   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: Black
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023535

Variety name: A1023535 Experimental name ________________________________

Applicant Monsanto Technology, LLC  

1. Soybean variety A1023535 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023535 is adapted to later group 2 growing areas.

3. Soybean variety A1023535 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color: Dark purple  
   Stem termination: Indeterminate  
   Pubescence color: Grey  
   Relative maturity rating: 2.8  
   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: Imperfect black  
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023554

Variety name: A1023554  
Experimental name: 

Applicant: Monsanto Technology, LLC 

1. Soybean variety A1023554 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F3</td>
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<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023554 is adapted to group 2 growing areas.

3. Soybean variety A1023554 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color: Light purple  
   Stem termination: Indeterminate  
   Pubescence color: Grey  
   Relative maturity rating: 2.9  
   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: Imperfect black  
   Herbicide resistance: Glyphosate  
   Variants and other identifying characteristics: Up to .07% black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023555

<table>
<thead>
<tr>
<th>Variety name:</th>
<th>A1023555</th>
<th>Experimental name</th>
<th>Monsanto Technology, LLC</th>
</tr>
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</table>

1. Soybean variety A1023555 breeding history can be summarized as follows:

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<thead>
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<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1023555 is adapted to late group 1 growing areas.

3. Soybean variety A1023555 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color: Light purple  
   Stem termination: Indeterminate  
   Pubescence color: Grey  
   Relative maturity rating: 1.7  
   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: Imperfect black  
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023566

Variety name: A1023566  Experimental name ____________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1023566 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
<td>Feb 2007</td>
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</tr>
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<td>F3</td>
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<td>SPS</td>
<td></td>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023566 is adapted to group 1 growing areas.

3. Soybean variety A1023566 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Green
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 1.5  Flower color: White
   Leaf shape: Ovate  Mature pod color: Tan
   Seed shape: Spherical flattened  Mature seed color: Yellow
   Mature cotyledon color: Yellow  Mature hilum color: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023639

Variety name: A1023639          Experimental name ________________________________

Applicant  Monsanto Technology, LLC

1. Soybean variety A1023639 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>Jun</td>
<td>2007</td>
<td>SPS</td>
</tr>
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<td>F4</td>
<td>Nov</td>
<td>2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1023639 is adapted to mid group 1 growing areas.

3. Soybean variety A1023639 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate Pubescence color: Grey
   Relative maturity rating: 1.6 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: Imperfect black

   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1023658 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
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<tr>
<td>Cross</td>
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<td>SPS</td>
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<td>Prow</td>
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<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1023658 is adapted to mid group 2 growing areas.

3. Soybean variety A1023658 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Green
   Stem termination: Indeterminate
   Pubescence color: Light tawny
   Relative maturity rating: 2.5
   Flower color: White
   Leaf shape: Ovate
   Mature pod color: Tan
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Brown
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to 0.65% black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1023692
Experimental name
Applicant Monsanto Technology, LLC

1. Soybean variety A1023692 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023692 is adapted to mid group 0 growing areas.

3. Soybean variety A1023692 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.5
   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: Black
   Herbicide resistance: glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023717

Variety name: A1023717  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1023717 breeding history can be summarized as follows:

<table>
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<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F1</td>
<td>Oct 2006</td>
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<td>F2</td>
<td>Mar 2007</td>
<td>Bulk</td>
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<td>F3</td>
<td>May 2007</td>
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<td>Nov 2007</td>
<td>Prow</td>
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<td>F5</td>
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<td>Yield Testing</td>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
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</tr>
</tbody>
</table>

2. Soybean variety A1023717 is adapted to mid group 2 growing areas.

3. Soybean variety A1023717 is glyphosate resistant.

4. 

- Plant type: Intermediate
- Hypocotyl color: Dark purple
- Stem termination: Indeterminate
- Pubescence color: Grey
- Relative maturity rating: 2.6
- 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: Imperfect black
- Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1023735 breeding history can be summarized as follows:

<table>
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<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
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<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
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</tr>
</tbody>
</table>

2. Soybean variety A1023735 is adapted to mid group 0 growing areas.

3. Soybean variety A1023735 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.5
   Flower color: Purple
   Leaf shape: ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Soybean variety A1023754 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1023754 is adapted to group 2 growing areas of Canada.

3. Soybean variety A1023754 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Dark purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 2.1  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: Up to .23% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023760

Variety name: A1023760  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1023760 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Jun 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023760 is adapted to early group 1 growing areas in Canada.

3. Soybean variety A1023760 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 1.1  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: Imperfect black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023761

Variety name: A1023761
Experimental name ____________________________

Applicant Monsanto Technology, LLC

1. Soybean variety A1023761 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Jun 2006</td>
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<td></td>
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<td>F1</td>
<td>Sept 2006</td>
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</tr>
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<td>F2</td>
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<td>Bulk</td>
<td></td>
</tr>
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<td>F3</td>
<td>Jun 2007</td>
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<td></td>
</tr>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023761 is adapted to late group 1 growing areas.

3. Soybean variety A1023761 is glyphosate resistant.

4. 

<table>
<thead>
<tr>
<th>Plant type: Intermediate</th>
<th>Hypocotyl color: Light purple</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem termination: Indeterminate</td>
<td>Pubescence color: Grey</td>
</tr>
<tr>
<td>Relative maturity rating: 1.9</td>
<td>Flower color: Purple</td>
</tr>
<tr>
<td>Leaf shape: ovate</td>
<td>Mature pod color: Brown</td>
</tr>
<tr>
<td>Seed shape: Spherical flattened</td>
<td>Mature seed color: Yellow</td>
</tr>
<tr>
<td>Mature cotyledon color: Yellow</td>
<td>Mature hilum color: Imperfect black</td>
</tr>
</tbody>
</table>

Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023793

Variety name: A1023793 Experimental name ____________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1023793 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Cross</td>
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<td>F1</td>
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<td>Bulk</td>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023793 is adapted to late group 0 growing areas.

3. Soybean variety A1023793 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.8
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Tan
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1023814 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
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<tbody>
<tr>
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<td>Apr 2006</td>
<td>Cross</td>
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<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
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<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023814 is adapted to early group 2 growing areas.

3. Soybean variety A1023814 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 2.3
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023816

Variety name: A1023816
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1023816 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Jun 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
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<tr>
<td>F2</td>
<td>Mar 2007</td>
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<td></td>
</tr>
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<td>F3</td>
<td>July 2007</td>
<td>SPS</td>
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</tr>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023816 is adapted to mid group 1 growing areas of Canada.

3. Soybean variety A1023816 is glyphosate resistant.

4. Plant type: Intermediate
Hypocotyl color: Light purple
Stem termination: Indeterminate
Pubescence color: Grey
Relative maturity rating: 1.4
Flower color: Purple
Leaf shape: Ovate
Mature pod color: Tan
Seed shape: Spherical flattened
Mature seed color: Yellow
Mature cotyledon color: Yellow
Mature hilum color: Imperfect black
Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023833

Variety name: **A1023833** Experimental name __________________________
Applicant **Monsanto Technology, LLC**

1. Soybean variety A1023833 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>May 2006</td>
<td>Cross</td>
<td></td>
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<tr>
<td>F1</td>
<td>Oct 2006</td>
<td>Bulk</td>
<td></td>
</tr>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023833 is adapted to mid group 2 growing areas of Canada.

3. Soybean variety A1023833 is glyphosate resistant.

4. Plant type: Intermediate  
Hypocotyl color: Dark purple
Stem termination: Indeterminate  
Pubescence color: Light tawny
Relative maturity rating: 2.4  
Flower color: Purple
Leaf shape: Ovate  
Mature pod color: Tan
Seed shape: Spherical flattened  
Mature seed color: Yellow
Mature cotyledon color: Yellow  
Mature hilum color: Black
Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1023846 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023846 is adapted to later group 2 growing areas.

3. Soybean variety A1023846 is glyphosate resistant.


Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023857

Variety name: A1023857
Experimental name _____________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1023857 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Jun 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Jun 2007</td>
<td>SPS</td>
<td></td>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
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<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023857 is adapted to early group 2 growing areas.

3. Soybean variety A1023857 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 2.2
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1023943

Variety name: A1023943
Experimental name ________________________

Applicant Monsanto Technology, LLC

1. Soybean variety A1023943 was developed from an initial cross of 
   (ABL3305X0X:001/@)/(A3525/MON89788:0016.0002) The soybean variety is uniform for breeding 
   purposes and testing. The soybean variety was selected based on agronomic performance, such as yield 
   and disease and herbicide resistance. The breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
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<tr>
<td>F2</td>
<td>Dec 2006</td>
<td>SPS</td>
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<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1023943 is adapted to group 2 growing areas.

3. Soybean variety A1023943 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: 
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 2.7
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. The variety is undergoing seed certification at this time. Therefore, the variety is not subject to 
   collection of a royalty fee and/or production under any kind of stewardship or licensing agreement.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the 
   morphological data the PVP database.

8. Please do not publish the certified seed production area.

- 49 -

2010 Soybean NVRB

Association of Official Seed Certifying Agencies
A1023970

Variety name:  A1023970  Experimental name  
Applicant  Monsanto Technology, LLC

1. Soybean variety A1023970 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
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<tr>
<td>F3</td>
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<td>F4</td>
<td>Oct 2007</td>
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</tbody>
</table>

2. Soybean variety A1023970 is adapted to mid group 2 growing areas.

3. Soybean variety A1023970 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color:  
   Stem termination: Indeterminate  Pubescence color: Grey  
   Relative maturity rating: 2.5  Flower color: White  
   Leaf shape: Ovate  Mature pod color: Brown  
   Seed shape: Spherical flattened  Mature seed color: Yellow  
   Mature cotyledon color: Yellow  Mature hilum color: Buff  
   Herbicide resistance: Glyphosate  
   Variants and other identifying characteristics: Up to .08% black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024080

Variety name: A1024080
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024080 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
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<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
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<td>F2</td>
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<td>F3</td>
<td>May 2007</td>
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</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean Variety A1024080 is adapted to mid group 0 growing areas.

3. Soybean Variety A1024080 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.7
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024103

Variety name: A1024103  Experimental name __________________________________________________________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1024103 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
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<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024103 is adapted to mid group 1 growing areas.

3. Soybean variety A1024103 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate Pubescence color: Light Tawny
   Relative maturity rating: 1.3 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: Black
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024104

Variety name: A1024104
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024104 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<tbody>
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<td>F1</td>
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<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
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<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024104 is adapted to early group 2 growing areas.

3. Soybean variety A1024104 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 2.0  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: Black
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024109

Variety name: A1024109
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024109 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>May 2007</td>
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<td>Prow</td>
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<td>F5</td>
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<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024109 is adapted to group 2 growing areas.

3. Soybean variety A1024109 is glyphosate resistant.

4. 

- Plant type: Hypocotyl color: Light purple
- Stem termination: Pubescence color: Grey
- Relative maturity rating: 2.8 Flower color: Purple
- Leaf shape: Mature pod color: Brown
- Seed shape: Mature seed color: Yellow
- Mature cotyledon color: Yellow Mature hilum color: Imperfect black
- Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024172

Variety name: A1024172 Experimental name ____________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1024172 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
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<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
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<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024172 is adapted to early group 2 growing areas.

3. Soybean variety A1024172 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 2.1  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: Imperfect black

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
A1024173

Variety name: A1024173
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024173 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
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<td>F2</td>
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<td>Bulk</td>
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<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
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<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024173 is adapted to mid group 0 growing areas.

3. Soybean variety A1024173 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.6
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Soybean variety A1024175 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>F1</td>
<td>Mar 2006</td>
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<tr>
<td>F3</td>
<td>Apr 2007</td>
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<td>F4</td>
<td>Oct 2007</td>
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<td>F5</td>
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<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024175 is adapted to later group 0 growing areas.

3. Soybean variety A1024175 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 0.8  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: Black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024177

Variety name: A1024177  Experimental name
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024177 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F4</td>
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<td>Prow</td>
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<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024177 is adapted to mid group 1 growing areas.

3. Soybean variety A1024177 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Dark purple
   Stem termination: Indeterminate  Pubescence color: Grey
   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: Imperfect black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024178

Variety name: A1024178  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024178 breeding history can be summarized as follows:

<table>
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<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</thead>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024178 is adapted to early group 1 growing areas in Canada.

3. Soybean variety A1024178 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 1.1  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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024182

Variety name: A1024182
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024182 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
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<td>F2</td>
<td>Feb 2007</td>
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<tr>
<td>F3</td>
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</tr>
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<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024182 is adapted to late group 0 growing areas of Canada.

3. Soybean variety A1024182 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.9
   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: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance with Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
A1024183

Variety name: A1024183  Experimental name ________________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024188 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</tbody>
</table>

2. Soybean variety A1024183 is adapted to later group 1 growing areas of Canada.

3. Soybean variety A1024183 is glyphosate resistant.

4. 
   Plant type: Intermediate  Hypocotyl color: Dark purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 1.7  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: Imperfect black

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Soybean variety A1024184 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Oct 2005</td>
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<td>F1</td>
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<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024184 is adapted to later group 2 growing areas.

3. Soybean variety A1024184 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 2.8
   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: Imperfect black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024188

Variety name: A1024188  Experimental name

Applicant Monsanto Technology, LLC

1. Soybean variety A1024188 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
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<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
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</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
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<td>F3</td>
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</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024188 is adapted to mid group 0 growing areas.

3. Soybean variety A1024188 is glyphosate resistant.

4.

Plant type: Intermediate
Stem termination: Indeterminate
Relative maturity rating: 0.5
Leaf shape: ovate
Seed shape: Spherical flattened
Mature cotyledon color: Yellow
Herbicide resistance: Glyphosate

Hypocotyl color: Dark purple
Pubescence color: Tawny
Flower color: Purple
Mature pod color: Tan
Mature seed color: Yellow
Mature hilum color: Black

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024189

Variety name: A1024189  Experimental name ______________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024189 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
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<td></td>
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<td>F3</td>
<td>May 2007</td>
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<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024189 is adapted to early group 0 growing areas.

3. Soybean variety A1024189 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Dark purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 0.0  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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
A1024203

Variety name: A1024203  Experimental name ________________________________

Applicant  Monsanto Technology, LLC

1. Soybean variety A1024203 breeding history can be summarized as follows:

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<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F1</td>
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<td>Bulk</td>
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<tr>
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<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Jun 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024203 is adapted to early group 2 growing areas in Canada.

3. Soybean variety A1024203 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 2.1  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: Imperfect black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety A1024218 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F1</td>
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<td>Bulk</td>
<td></td>
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<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
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<tr>
<td>F3</td>
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<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024218 is adapted to later group 0 growing areas.

3. Soybean variety A1024218 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.9
   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: Black

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024223

Variety name: A1024223
Experimental name: 
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024223 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
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<td>F1</td>
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<td>Bulk</td>
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<td>F2</td>
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<td>2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>May</td>
<td>2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Oct</td>
<td>2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean Variety A1024223 is adapted to early group 0 growing areas.

3. Soybean Variety A1024223 is glyphosate resistant.

4. 

- Plant type: Intermediate
- Hypocotyl color: Dark purple
- Stem termination: Indeterminate
- Pubescence color: Tawny
- Relative maturity rating: 0.1
- 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: Black
- Herbicide resistance: glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024224

Variety name: A1024224
Experimental name
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024224 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F1</td>
<td>Sept 2006</td>
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<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
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<td>F3</td>
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<td>SPS</td>
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<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024224 is adapted to early group 1 growing areas.

3. Soybean variety A1024224 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Light tawny
   Relative maturity rating: 1.0
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .05% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024227

Variety name: A1024227  Experimental name ____________________________
Applicant  Monsanto Technology, LLC  ____________________________

1. Soybean variety A1024227 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024227 is adapted to early group 1 growing areas.

3. Soybean variety A1024227 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Light tawny
   Relative maturity rating: 1.3  Flower color: Purple
   Leaf shape: Ovate  Mature pod color: Tan
   Seed shape: Spherical flattened  Mature seed color: Yellow
   Mature cotyledon color: Yellow  Mature hilum color: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .09% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024228

Variety name: A1024228
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024228 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work</th>
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</tr>
<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
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<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
<td></td>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024288 is adapted to later group 1 growing areas.

3. Soybean variety A1024288 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 1.7
   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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .04% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024229

Variety name: A1024229
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024229 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work</th>
<th>Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
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<td>F1</td>
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<td>F2</td>
<td>Feb 2007</td>
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<td>F3</td>
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<td>SPS</td>
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<td>Oct 2007</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
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<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024229 is adapted to early group 1 growing areas of Canada.

3. Soybean variety A1024229 is glyphosate resistant

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 1.2
   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: Black
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics: AOSCA notes up to a 0.27% imperfect black hila variant, Monsanto notes of a 0.08% imperfect black hila variant.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
**A1024230**

Variety name: A1024230  
Experimental name:  
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024230 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Description of work</th>
<th>Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</thead>
<tbody>
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<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024230 is adapted to mid group 1 growing areas.

3. Soybean variety A1024230 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color: Dark purple  
   Stem termination: Indeterminate  
   Pubescence color: Grey  
   Relative maturity rating: 1.5  
   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: Imperfect black  
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024231

Variety name: A1024231

Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024231 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024231 is adapted to mid group 1 growing areas.

3. Soybean variety A1024231 is glyphosate resistant.

4. 

<table>
<thead>
<tr>
<th>Plant type: Intermediate</th>
<th>Hypocotyl color: Dark purple</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem termination: Indeterminate</td>
<td>Pubescence color: Light tawny</td>
</tr>
<tr>
<td>Relative maturity rating: 1.5</td>
<td>Flower color: Purple</td>
</tr>
<tr>
<td>Leaf shape: Ovate</td>
<td>Mature pod color: Tan</td>
</tr>
<tr>
<td>Seed shape: Spherical flattened</td>
<td>Mature seed color: Yellow</td>
</tr>
<tr>
<td>Mature cotyledon color: Yellow</td>
<td>Mature hilum color: Black</td>
</tr>
<tr>
<td>Herbicide resistance: Glyphosate</td>
<td></td>
</tr>
</tbody>
</table>

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024245

Variety name: A1024245
Experimental name: ____________________________________________
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024245 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024245 is adapted to mid group 1 growing areas in Canada.

3. Soybean variety A1024245 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light 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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024246

Variety name: A1024246
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024246 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024246 is adapted to group mid 1 growing areas of Canada.

3. Soybean variety A1024246 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 1.4
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Tan
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1024251
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024251 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Nov 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Apr 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Aug 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Nov 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024251 is adapted to mid group 1 growing areas of Canada.

3. Soybean variety A1024251 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Green
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 1.4
   Flower color: White
   Leaf shape: Ovate
   Mature pod color: 
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Buff
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024252

Variety name: A1024252  Experimental name ____________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024252 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Mar</td>
<td>2006</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>Sept</td>
<td>2006</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>Feb</td>
<td>2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>Apr</td>
<td>2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Oct</td>
<td>2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024252 is adapted to later group 1 growing areas of Canada.

3. Soybean variety A1024252 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Light tawny
   Relative maturity rating: 1.9  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: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: Up to .08% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
A1024298

Variety name: A1024298
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024298 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024298 is adapted to mid group 0 growing areas.

3. Soybean variety A1024298 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.5
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Tan
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024299

Variety name: A1024299
Experimental name

Applicant: Monsanto Technology, LLC

1. Soybean variety A1024299 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Jun 2006</td>
<td>Cross</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>Jun 2007</td>
<td>SPS</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2007</td>
<td>Prow</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024299 is adapted to mid group 1 growing areas.

3. Soybean variety A1024299 is glyphosate resistant.

4. Plant type: Intermediate
Hypocotyl color: Light purple
Stem termination: Indeterminate
Pubescence color: Grey
Relative maturity rating: 1.6
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: Imperfect black
Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024302

Variety name: A1024302

Experimental name

Applicant Monsanto Technology, LLC

1. Soybean variety A1024302 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Oct</td>
<td>2005</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>Apr</td>
<td>2006</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>Dec</td>
<td>2006</td>
<td>SPS</td>
</tr>
<tr>
<td>F3</td>
<td>May</td>
<td>2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Nov</td>
<td>2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F5</td>
<td>May</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024302 is adapted to later group 2 growing areas.

3. Soybean variety A1024302 is glyphosate resistant.

4. 
   Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 2.9
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Imperfect black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1024304 Experimental name
Applicant Monsanto Technology, LLC

1. Soybean variety A1024304 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Apr 2006</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>Oct 2006</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024304 is adapted to early group 1 growing areas.

3. Soybean variety A1024304 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 1.0
   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: Black
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024306

Variety name: A1024306  Experimental name ________________________________
Applicant  Monsanto Technology, LLC  

1. Soybean variety A1024306 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>May 2006</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Sept 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>Feb 2007</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2007</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2007</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024306 is adapted to mid group 0 growing areas.

3. Soybean variety A1024306 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 0.6  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: AOSCA notes up to a 0.03% black hila variant. Monsanto notes a 0.02-0.04% black hila variant.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.

Association of Official Seed Certifying Agencies

- 82 - 2010 Soybean NVRB
### A1024320

**Variety name:** A1024320  
**Experimental name:**  
**Applicant:** Monsanto Technology, LLC

1. Soybean variety A1024320 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Jun 2006</td>
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<td>F5</td>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024320 is adapted to mid group 1 growing areas.

3. Soybean variety A1024320 is glyphosate resistant.

4. 
- **Plant type:** Intermediate  
- **Hypocotyl color:** Light purple  
- **Stem termination:** Indeterminate  
- **Pubescence color:** Grey  
- **Relative maturity rating:** 1.6  
- **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:** Imperfect black  
- **Herbicide resistance:** Glyphosate  

**Variants and other identifying characteristics:**

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024321

Variety name: A1024321
Experimental name
Applicant Monsanto Technology, LLC

1. Soybean variety A1024321 breeding history can be summarized as follows:

<table>
<thead>
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<th>Generation</th>
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<th>Planted</th>
<th>Description of work</th>
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<td>F4</td>
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<tr>
<td>F5</td>
<td>May 2008</td>
<td>Yield Testing</td>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024321 is adapted to later group 1 growing areas of Canada.

3. Soybean variety A1024321 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 1.9
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate
   Mature hilum color: Imperfect black

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024328

Variety name: A1024328  Experimental name ____________________________

Applicant  Monsanto Technology, LLC

1. Soybean variety A1024328 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024328 is adapted to mid group 2 growing areas.

3. Soybean variety A1024328 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 2.6  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: Imperfect black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024337

Variety name: A1024337  Experimental name

Applicant  Monsanto Technology, LLC

1. Soybean variety A1023735 breeding history can be summarized as follows:

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<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>Prow</td>
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<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024337 is adapted to early group 1 growing areas.

3. Soybean variety A1024337 is glyphosate resistant.

4. 
- Plant type: Intermediate
- Hypocotyl color: Light purple
- Stem termination: Indeterminate
- Pubescence color: Tawny
- Relative maturity rating: 1.3
- Flower color: Purple
- Leaf shape: Ovate
- Mature pod color: Brown
- Seed shape: Spherical flattened
- Mature seed color: Yellow
- Mature cotyledon color: Yellow
- Herbicide resistance: Glyphosate
- Mature hilum color: Black

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A102438

Variety name: A102438  Experimental name ________________________________

Applicant  Monsanto Technology, LLC

1. Soybean variety A102438 breeding history can be summarized as follows:

<table>
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<tr>
<th>Generation</th>
<th>Date</th>
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<th>Description of work performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A102438 is adapted to early group 2 growing areas.

3. Soybean variety A102438 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Light tawny
   Relative maturity rating: 2.0  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: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
A1024339

Variety name: A1024339  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024339 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<tbody>
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<td>F4</td>
<td>Oct 2007</td>
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<td>F5</td>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024339 is adapted to mid group 1 growing areas of Canada.

3. Soybean variety A1024339 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light 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: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024341

Variety name: A1024341  Experimental name
Applicant Monsanto Technology, LLC

1. Soybean variety A1024341 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F4</td>
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<td>Prow</td>
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<td>F5</td>
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</tr>
<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
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</tr>
</tbody>
</table>

2. Soybean variety A1024341 is adapted to early group 2 growing areas.

3. Soybean variety A1024341 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Light tawny
   Relative maturity rating: 2.0 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: Black
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024350

Variety name: A1024350  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024350 breeding history can be summarized as follows:

<table>
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<tr>
<th>Generation</th>
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<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<tr>
<td>F6</td>
<td>May 2009</td>
<td>Yield Testing</td>
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</tr>
</tbody>
</table>

2. Soybean variety A1024350 is adapted to later group 2 growing areas.

3. Soybean variety A1024350 is glyphosate resistant.

4. Plant type: Bushy  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 2.7  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: Imperfect black
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024658

Variety name: A1024658  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024658 breeding history can be summarized as follows:

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<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</table>

2. Soybean variety A1024658 is adapted to mid group 1 growing areas.

3. Soybean variety A1024658 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Dark purple
   Stem termination: Indeterminate  Pubescence color: Grey
   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: Imperfect black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024705

 Variety name: A1024705
 Experimental name
 Applicant Monsanto Technology, LLC

1. Soybean variety A1024705 breeding history can be summarized as follows:

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<th>Generation</th>
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<td>May 2009</td>
<td>Yield Testing</td>
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</tr>
</tbody>
</table>

2. Soybean variety A1024705 is adapted to mid group 0 growing areas.

3. Soybean variety A1024705 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
Stem termination: Indeterminate  Pubescence color: Tawny
Relative maturity rating: 0.4  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: Black
Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024710

Variety name: A1024710
Experimental name: ________________________________
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024710 breeding history can be summarized as follows:

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<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024710 is adapted to mid group 0 growing areas.

3. Soybean variety A1024710 is glyphosate resistant.

4. 
   Plant type: Intermediate
   Stem termination: Indeterminate
   Relative maturity rating: 0.6
   Leaf shape: Ovate
   Seed shape: Spherical flattened
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate
   Variants and other identifying characteristics: AOSCA notes up to a 1.32% black hila variant. Monsanto notes of a 0.04-0.16% black/brown hila variant.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1024711
Experimental name
Applicant Monsanto Technology, LLC

1. Soybean variety A1024711 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>July 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2006</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024711 is adapted to mid group 0 growing areas.

3. Soybean variety A1024711 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 0.6
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical flattened
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate
   Mature hilum color: Imperfect yellow

   Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: **A1024714**

Applicant: **Monsanto Technology, LLC**

1. Soybean variety A1024714 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>July 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2006</td>
<td>SPS</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2006</td>
<td>Prow</td>
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</tr>
<tr>
<td>F5</td>
<td>Apr 2007</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024714 is adapted to later group 0 growing areas.

3. Soybean variety A1024714 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Light purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 0.9
   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: Imperfect black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1024754  
Experimental name: 
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024754 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Dec 2004</td>
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<td></td>
</tr>
<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>July 2005</td>
<td>Bulk</td>
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</tr>
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<td>SPS</td>
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</tr>
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<td>F4</td>
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<td>Prow</td>
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<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
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</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024754 is adapted to mid group 1 growing areas.

3. Soybean variety A1024754 is glyphosate resistant.

4. Plant type: Intermediate  
Hypocotyl color: Light purple  
Stem termination: Indeterminate  
Pubescence color: Grey  
Relative maturity rating: 1.4  
Flower color: Purple  
Leaf shape: Ovate  
Mature pod color: Tan  
Seed shape: Spherical flattened  
Mature seed color: Yellow  
Mature cotyledon color: Yellow  
Mature hilum color: Imperfect black  
Herbicide resistance: Glyphosate  

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024755

Variety name: A1024755  Experimental name _______________________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1024755 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
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<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td>F1</td>
</tr>
<tr>
<td>F2</td>
<td>July 2006</td>
<td>Bulk</td>
<td>F2</td>
</tr>
<tr>
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<td>Apr 2006</td>
<td>Bulk</td>
<td>F3</td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2006</td>
<td>Prow</td>
<td>F4</td>
</tr>
<tr>
<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
<td>F5</td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td>F6</td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td>F7</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024755 is adapted to mid group 0 growing areas.

3. Soybean variety A1024755 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
   Stem termination: Indeterminate  Pubescence color: Grey
   Relative maturity rating: 0.6  Flower color: Purple
   Leaf shape: ovate  Mature pod color: Brown
   Seed shape: Spherical flattened  Mature seed color: Yellow
   Mature cotyledon color:  Mature hilum color: Imperfect black
   Herbicide resistance: Glyphosate

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024756

Variety name: A1024756 Experimental name ____________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1024756 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<tbody>
<tr>
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<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
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<tr>
<td>F2</td>
<td>July 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2006</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024756 is adapted to later group 0 growing areas in Canada.

3. Soybean variety A1024756 is glyphosate resistant.

4. Plant type: Intermediate
   Stem termination: Indeterminate
   Relative maturity rating: 0.8
   Leaf shape: Ovate
   Seed shape: Spherical flattened
   Mature cotyledon color: Yellow
   Herbicide resistance: Glyphosate

   Variants and other identifying characteristics: AOSCA notes up to a 0.07% black hila variant. Monsanto notes of a 0.04% brown hila variant.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024762

Variety name: A1024762
Experimental name
Applicant: Monsanto Technology, LLC

1. Soybean variety A1024762 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>July 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Apr 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Oct 2006</td>
<td>Prow</td>
<td></td>
</tr>
<tr>
<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1024762 is adapted to early group 1 growing areas in Canada.

3. Soybean variety A1024762 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color: Light purple  
   Stem termination: Indeterminate  
   Pubescence color: Tawny  
   Relative maturity rating: 1.3  
   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: Black  
   Herbicide resistance: Glyphosate  
   Variants and other identifying characteristics: Up to .03% imperfect black hila.

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1024770

Variety name: A1024770  Experimental name ________________________________
Applicant  Monsanto Technology, LLC

1. Soybean variety A1024770 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date Planted</th>
<th>Description of work Performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
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<td>SPS</td>
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<tr>
<td>F2</td>
<td>Nov 2005</td>
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</tr>
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<td>Apr 2006</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2006</td>
<td>PROW</td>
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<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety A1024770 is adapted to mid group 1 growing areas.

3. Soybean variety A1024770 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color: Light purple
Soybean variety A1024770
Stem termination: Indeterminate  Pubescence color: Grey
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: Imperfect black
Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
A1025241

Variety name: A1025241
Experimental name __________________________
Applicant Monsanto Technology, LLC

1. Soybean variety A1025241 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>Dec 2004</td>
<td>Cross</td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Mar 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>July 2005</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>May 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Nov 2006</td>
<td>Prow</td>
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<tr>
<td>F5</td>
<td>May 2007</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1025241 is adapted to mid group 0 growing areas.

3. Soybean variety A1025241 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Green bronze
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 0.4
   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: Imperfect Black
   Herbicide resistance: __________________________
   Variants and other identifying characteristics: __________________________

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
Variety name: A1025839
Experimental name
Applicant: Monsanto Technology, LLC

1. Soybean variety A1025839 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Date</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
<td>Jul 2006</td>
<td>Bulk</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Nov 2006</td>
<td>SPS</td>
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<tr>
<td>F4</td>
<td>May 2007</td>
<td>Bulk</td>
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<td>F5</td>
<td>Nov 2007</td>
<td>Prow</td>
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<td>May 2008</td>
<td>Yield Testing</td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>May 2009</td>
<td>Yield Testing</td>
<td></td>
</tr>
</tbody>
</table>

2. Soybean variety A1025839 is adapted to later group 2 growing areas.

3. Soybean variety A1025839 is glyphosate resistant.

4. Plant type: Intermediate
   Hypocotyl color: Dark purple
   Stem termination: Indeterminate
   Pubescence color: Grey
   Relative maturity rating: 2.7
   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: Imperfect black

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data the PVP database.

8. Please do not publish the certified seed production area.
93360433 (8233406)

Variety name: 93360433  Experimental name: 8233406

Applicant: Monsanto Technology, LLC

1. Soybean variety 9336043 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Planted</th>
<th>Description of work performed, e.g. Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
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<td>F2</td>
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<td>2007-08</td>
<td>Prow</td>
</tr>
<tr>
<td>F4</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F5</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety 93360433 is adapted to early group 1 growing areas.

3. Soybean variety 93360433 is glyphosate resistant.

4. Plant type: Intermediate  Hypocotyl color:
   Stem termination: Indeterminate  Pubescence color: Light Tawny
   Relative maturity rating: 1.3  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: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011.

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
1. Soybean variety 93454905 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>2005</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>2005-06</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>2006</td>
<td>Pod Pick</td>
</tr>
<tr>
<td>F3</td>
<td>2006</td>
<td>SPS</td>
</tr>
<tr>
<td>F4</td>
<td>2006-07</td>
<td>Prow</td>
</tr>
<tr>
<td>F5</td>
<td>2007</td>
<td>Yield Testing; SPS</td>
</tr>
<tr>
<td>F6</td>
<td>2007-08</td>
<td>Prow</td>
</tr>
<tr>
<td>F7</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F8</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety 93454905 is adapted to early group 1 growing areas.

3. Soybean variety 93454905 is glyphosate resistant.

4. Plant type: Intermediate  
   Hypocotyl color:  
   Stem termination: Indeterminate  
   Pubescence color: Light Tawny  
   Relative maturity rating: 1.2  
   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: up to .24% black variant to hila color

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
98331422 (8222413)

Variety name: 98331422  Experimental name  8222413
Applicant  Monsanto Technology, LLC

1. Soybean variety 98331422 breeding history can be summarized as follows:

<table>
<thead>
<tr>
<th>Generation</th>
<th>Planted</th>
<th>Description of work Performed, e.g Bulk, Pod Pick, SPS, Prow, PRYT, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross</td>
<td>2006</td>
<td>Cross</td>
</tr>
<tr>
<td>F1</td>
<td>2006-07</td>
<td>Bulk</td>
</tr>
<tr>
<td>F2</td>
<td>2007</td>
<td>SPS</td>
</tr>
<tr>
<td>F3</td>
<td>2007-08</td>
<td>Prow</td>
</tr>
<tr>
<td>F4</td>
<td>2008</td>
<td>Yield Testing</td>
</tr>
<tr>
<td>F5</td>
<td>2009</td>
<td>Yield Testing</td>
</tr>
</tbody>
</table>

2. Soybean variety 98331422 is adapted to mid group 0 growing areas.

3. Soybean variety 98331422 is glyphosate resistant.

4. 
- Plant type: Bushy
- Hypocotyl color:
- Stem termination: Indeterminate
- Pubescence color: Light Tawny
- Relative maturity rating: 0.6
- 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 3.4% black variant to hila color

5. Foundation, registered, and certified class of seed will be maintained by Monsanto Technology, LLC in accordance to Monsanto’s purity and stewardship standards.

6. If the line is commercialized, it will likely first be available for sale in 2011

7. No application for Plant Variety Protection is planned at this time. Please do not supply the morphological data to the PVP database.

8. Please do not publish the certified seed production area.
Variety name: 900Y71  Experimental name: XB007E09
Applicant: Pioneer Hi-Bred International, Inc.

1. Variety 900Y71 is an F5 derived line which was advanced to the F5 generation by modified single seed descent. The F5 progeny row of 900Y71 was grown in a plant row yield trial in Minnesota in the summer of 2004. Subsequently, 900Y71 has undergone five years of extensive testing and purification.

2. 900Y71 is an early group 00 variety for Canada and United States. Excellent choice for fields with a history of iron chlorosis deficiency.

3. Variety 900Y71 was advanced on the basis of yield, maturity, iron deficiency chlorosis tolerance, Phytophthora resistance, and resistance to Roundup® branded herbicides.

4. Plant type: Intermediate  Hypocotyl color: Dark Purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 007 (-0.3)  Flower color: Purple
   Leaf shape: Ovate  Mature pod color: Brown
   Seed shape: Elongate  Mature seed color: Yellow
   Mature cotyledon color: Yellow  Mature hilum color: Imperfect Yellow
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

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 900Y71 for the 2010 growing season.

7. 900Y71 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
90Y30 (XB03T09)

Variety name: 90Y30  Experimental name: XB03T09

Applicant: Pioneer Hi-Bred, International, Inc.

1. Variety 90Y30 is an F4 derived line which was advance to the F4 generation by modified single seed
descent. The F4 progeny row of 90Y30 was grown in a plant row yield trial in Minnesota in the
summer of 2004. Subsequently, 90Y30 has undergone five years of extensive testing and purification.

2. 90Y30 is an early group 0 variety for Canada and United States.

3. Variety 90Y30 was advanced on the basis of yield, maturity, iron deficiency chlorosis tolerance, and
resistance to Roundup® branded herbicides.

4. Plant type: Intermediate  Hypocotyl color: Dark Purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 0.3  Flower color: Purple
   Leaf shape: Ovate  Mature pod color: Brown
   Seed shape: Spherical  Mature seed color: Yellow
   Mature cotyledon color: Yellow  Mature hilum color: Imperfect Yellow
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

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 90Y30 for the 2010 growing season.

7. 90Y30 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect
the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
90Y70 (XB07S09)

Variety name: 90Y70  
Experimental name XB07S09

Applicant Pioneer Hi-Bred International, Inc.

1. Variety 90Y70 is an F4 derived line which was advance to the F4 generation by modified single seed descent. The F4 progeny row of 90Y70 was grown in a plant row yield trial in Minnesota in the summer of 2005. Subsequently, 90Y70 has undergone four years of extensive testing and purification.

2. 90Y70 is a late group 0 variety for Canada and United States. Excellent choice for fields with a history of Phytophthora.

3. Variety 90Y70 was advanced on the basis of yield, maturity, iron deficiency chlorosis tolerance, Phytophthora resistance, and resistance to Roundup® branded herbicides.

4. 

- Plant type: Intermediate
- Hypocotyl color: Dark Purple
- Stem termination: Indeterminate
- Pubescence color: Light Tawny
- Relative maturity rating: 0.7
- Flower color: Purple
- Leaf shape: Ovate
- Mature pod color: Tan
- Seed shape: Spherical Flattened
- Mature seed color: Yellow
- Herbicide resistance: Glyphosate
- Mature cotyledon color: Yellow
- Mature hilum color: Brown

Variants and other identifying characteristics:

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 90Y70 for the 2010 growing season.

7. 90Y70 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
### 91Y22 (XB12U09)

| Variety name: 91Y22 | Experimental name X|B12U09 |
|---------------------|-------------------|
| Applicant           | Pioneer Hi-Bred International, Inc. |

1. Variety 91Y22 is an F4 derived line which was advance to the F4 generation by modified single seed descent. The F4 progeny row of 91Y22 was grown in a plant row yield trial in Minnesota in the summer of 2004. Subsequently, 91Y22 has undergone five years of extensive testing and purification.

2. 91Y22 is an early group I variety for Canada and United States.

3. Variety 91Y22 was advanced on the basis of yield, maturity, and resistance to Roundup® branded herbicides.

4. | Plant type: Intermediate | Hypocotyl color: Dark Purple |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem termination: Indeterminate</td>
<td>Pubescence color: Light Tawny</td>
</tr>
<tr>
<td>Relative maturity rating: 1.2</td>
<td>Flower color: Purple</td>
</tr>
<tr>
<td>Leaf shape: Ovate</td>
<td>Mature pod color: Tan</td>
</tr>
<tr>
<td>Seed shape: Spherical</td>
<td>Mature seed color: Yellow</td>
</tr>
<tr>
<td>Mature cotyledon color: Yellow</td>
<td>Mature hilum color: Brown</td>
</tr>
<tr>
<td>Herbicide resistance: Glyphosate</td>
<td>Variants and other identifying characteristics: up to 1% Black Hila</td>
</tr>
</tbody>
</table>

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 91Y22 for the 2010 growing season.

7. 91Y22 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
Variety name: 91Y40
Experimental name XB15Q09
Applicant Pioneer Hi-Bred International, Inc.

1. Variety 91Y40 is an F4 derived line which was advance to the F4 generation by modified single seed descent. The F4 progeny row of 91Y40 was grown in a plant row yield trial in Minnesota in the summer of 2004. Subsequently, 91Y40 has undergone five years of extensive testing and purification.

2. 91Y40 is a mid group I variety for Canada and United States. Excellent choice for fields with a history of brown stem rot, soybean cyst nematodes, and Phytophthora.

3. Variety 91Y40 was advanced on the basis of yield, maturity, soybean cyst nematode tolerance, Phytophthora resistance, and resistance to Roundup® branded herbicides.

4. Plant type: Intermediate
   Hypocotyl color: Light Purple
   Stem termination: Indeterminate
   Pubescence color: Tawny
   Relative maturity rating: 1.4
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Tan
   Seed shape: Elongate
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Black
   Herbicide resistance: Glyphosate

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 91Y40 for the 2010 growing season.

7. 91Y40 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
**92Y11 (XB20W09)**

<table>
<thead>
<tr>
<th>Variety name:</th>
<th>92Y11</th>
<th>Experimental name:</th>
<th>XB20W09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Pioneer Hi-Bred International, Inc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Variety 92Y11 is an F4 derived line which was advance to the F4 generation by modified single seed descent. The F4 progeny row of 92Y11 was grown in a plant row yield trial in Illinois in the summer of 2005. Subsequently, 92Y11 has undergone four years of extensive testing and purification.

2. 92Y11 is an early group II variety for Canada and United States. Excellent choice for fields with a history of brown stem rot, soybean cyst nematodes, and Phytophthora.

3. Variety 92Y11 was advanced on the basis of yield, maturity, brown stem rot tolerance, soybean cyst nematode tolerance, Phytophthora resistance, and resistance to Roundup® branded herbicides.

4. | Plant type: Intermediate | Hypocotyl color: Dark Purple |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem termination: Indeterminate</td>
<td>Pubescence color: Light Tawny</td>
</tr>
<tr>
<td>Relative maturity rating: 2.1</td>
<td>Flower color: Purple</td>
</tr>
<tr>
<td>Leaf shape: Ovate</td>
<td>Mature pod color: Tan</td>
</tr>
<tr>
<td>Seed shape: Spherical</td>
<td>Mature seed color: Yellow</td>
</tr>
<tr>
<td>Mature cotyledon color: Yellow</td>
<td>Mature hilum color: Brown</td>
</tr>
<tr>
<td>Herbicide resistance: Glyphosate</td>
<td></td>
</tr>
<tr>
<td>Variants and other identifying characteristics: up to 1% Black Hila</td>
<td></td>
</tr>
</tbody>
</table>

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 92Y11 for the 2010 growing season.

7. 92Y11 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
92Y21 (XB22B08)

Variety name: 92Y21  
Experimental name: XB22B08

Applicant: Pioneer Hi-Bred International, Inc.

1. Variety 92Y21 is an F3 derived line which was advance to the F3 generation by modified single seed descent. The F3 progeny row of 92Y21 was grown in a short row increase in Chile in the winter of 2002. Subsequently, 92Y21 has undergone seven years of extensive testing and purification.

2. 92Y21 is an early group II non-GMO variety for Canada, United States, and Italy. Excellent choice for fields with a history of soybean cyst nematodes, and Phytophthora.

3. Variety 92Y21 was advanced on the basis of yield, maturity, soybean cyst nematode tolerance, Phytophthora resistance, and the non-Genetically Modified Organism (non-GMO) characteristic.

4. Plant type: Intermediate  
   Hypocotyl color: Light Purple
   Stem termination: Indeterminate  
   Pubescence color: Light Tawny
   Relative maturity rating: 2.2  
   Flower color: Purple
   Leaf shape: Ovate  
   Mature pod color: Brown
   Seed shape: Elongate  
   Mature seed color: Yellow
   Mature cotyledon color: Yellow  
   Mature hilum color: Black
   Herbicide resistance: None

   Variants and other identifying characteristics:

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 92Y21 for the 2010 growing season.

7. 92Y21 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
92Y53 (XB25Z09)

Variety name: 92Y53  Experimental name XB25Z09
Applicant Pioneer Hi-Bred International, Inc.

1. Variety 92Y53 is an F3 derived line which was advance to the F3 generation by modified single seed descent. The F3 progeny row of 92Y53 was grown in a plant row yield trial in Chile in the winter of 2005. Subsequently, 92Y53 has undergone four years of extensive testing and purification.

2. 92Y53 is a mid group II variety for Canada and United States. Excellent choice for fields with a history of soybean cyst nematodes and Phytophthora.

3. Variety 92Y53 was advanced on the basis of yield, maturity, soybean cyst nematode tolerance, Phytophthora resistance, and resistance to Roundup® branded herbicides.

4. Plant type: Intermediate  Hypocotyl color: Dark Purple
   Stem termination: Indeterminate  Pubescence color: Tawny
   Relative maturity rating: 2.5  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% Black Hila

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 92Y53 for the 2010 growing season.

7. 92Y53 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
Variety name: 93Y05  
Experimental name: XB31AG09

Applicant: Pioneer Hi-Bred International, Inc.

1. Variety 93Y05 is an F3 derived line which was advance to the F3 generation by modified single seed descent. The F3 progeny row of 93Y05 was grown in a plant row yield trial in Chile in the winter of 2004. Subsequently, 93Y05 has undergone five years of extensive testing and purification.

2. 93Y05 is an early group III variety for Canada and United States. Excellent choice for fields with a history of Phytophthora.

3. Variety 93Y05 was advanced on the basis of yield, maturity, soybean cyst nematode tolerance, Phytophthora resistance, and resistance to Roundup® branded herbicides.

4. 
   Plant type: Intermediate
   Hypocotyl color: Light Purple
   Stem termination: Indeterminate
   Pubescence color: Light Tawny
   Relative maturity rating: 3.0
   Flower color: Purple
   Leaf shape: Ovate
   Mature pod color: Brown
   Seed shape: Spherical
   Mature seed color: Yellow
   Mature cotyledon color: Yellow
   Mature hilum color: Black
   Herbicide resistance: Glyphosate

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 93Y05 for the 2010 growing season.

7. 93Y05 will be submitted for protection under the U.S. Plant Variety Protection Act and will not elect the certification option.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
Variety name: 92Y61  Experimental name XR25E09

Applicant Pioneer Hi-Bred International, Inc.

1. Variety 92Y61 is an F3 derived line which was advanced to the F3 generation by modified single seed descent. The F3 progeny row of 92Y61 was grown in a plant row yield trial in Chile in the winter of 2006. Subsequently, 92Y61 has undergone three years of extensive testing and purification.

2. 92Y61 is a mid group II variety for Canada. Excellent choice for fields with a history of soybean cyst nematodes and Phytophthora.

3. Variety 92Y61 was advanced on the basis of yield, maturity, soybean cyst nematode tolerance, Phytophthora resistance, high oleic acid (R181) content, low linolenic acid (R183) content and resistance to Roundup® branded herbicides.

4. Plant type: Intermediate  Hypocotyl color: Green
   Stem termination: Indeterminate  Pubescence color: Light Tawny
   Relative maturity rating: 2.5  Flower color: White
   Leaf shape: Ovate  Mature pod color: Brown
   Seed shape: Elongate  Mature seed color: Yellow
   Mature cotyledon color: Yellow  Mature hilum color: Black
   Herbicide resistance: Glyphosate

Variants and other identifying characteristics:

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 92Y61 for the 2010 growing season in Canada.

7. 92Y61 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.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
92Y54 (XR25F09)

Variety name: 92Y54  Experimental name: XR25F09
Applicant: Pioneer Hi-Bred International, Inc.

1. Variety 92Y54 is an F3 derived line which was advanced to the F3 generation by modified single seed descent. The F3 progeny row of 92Y54 was grown in a plant row yield trial in Chile in the winter of 2006. Subsequently, 92Y54 has undergone three years of extensive testing and purification.

2. 92Y54 is a mid group II variety for Canada. Excellent choice for fields with a history of soybean cyst nematodes and Phytophthora.

3. Variety 92Y54 was advanced on the basis of yield, maturity, soybean cyst nematode tolerance, Phytophthora resistance, high oleic acid (R181) content, low linolenic acid (R183) content and resistance to Roundup® branded herbicides.

4. Plant type: Slender  Hypocotyl color: Green
   Stem termination: Indeterminate  Pubescence color: Light Tawny
   Relative maturity rating: 2.5  Flower color: White
   Leaf shape: Ovate  Mature pod color: Brown
   Seed shape: Elongate  Mature seed color: Yellow
   Mature cotyledon color: Yellow  Mature hilum color: Black
   Herbicide resistance: Glyphosate

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 92Y54 for the 2010 growing season in Canada.

7. 92Y54 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.

8. No certified seed production acreage may be published by AOSCA or certifying agencies.
Variety name: MN0095

Applicant: University of Minnesota—Minnesota Agricultural Experiment Station

1. The pedigree of M00-307055 is M92-270029 x M93-313185. The pedigree is complex but traces back to the named varieties Dawson, Beeson, Amsoy, Wayne, Simpson, McCall, Merit, Clay, Agassiz, Woodworth, Harosoy, Higan and the germplasm AP6. M00-307055 is the bulked F5 progeny from an F4 plant from a population that had been advanced by a modified single seed descent procedure.

2. A full season variety from 47° to 49° N latitude. The variety was tested at Crookston, Shelly, Thief River Falls, Kragnes, Roseau and Rosemount, MN.

3. MN0095 carries the Rpsla gene for phytophthora resistance and is moderately resistant to iron deficiency chlorosis.

4. Plant type: slender
   Hypocotyl color: dark purple
   Stem termination: indeterminate
   Pubescence color: gray
   Relative maturity rating: 0.0
   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: imperfect black
   Herbicide resistance: none
   Variants and other identifying characteristics: Up to 0.5% field variants and -0.5% other hilum colors may be present in some seed lots. The intensity of the black hilum color can be affected by the environment.

5. The foundation, registered and certified classes of seed will be produced. The Minnesota Agricultural Experiment Station (University of Minnesota) will maintain breeder's seed. The variety may be produced under a licensed agreement.

6. Certified seed will first be offered in 2011.

7. No PVP application will be submitted. Descriptive data can be supplied to the PVP database.

8. Certified seed acreage can be published by AOSCA and certifying agencies.
MN0606CN (M00-116202)

Variety name: MN0606CN  Experimental name: M00-116202
Applicant: University of Minnesota—Minnesota Agricultural Experiment Station

1. The pedigree of M00-116202 is MN00901 x MN0902CN. The resistance to SCN in M00-116202 is derived from PI88788. It is the bulked F5 progeny from an F4 plant from a population that had been advanced by a modified single seed descent procedure.

2. A full season variety from 45º to 47º N latitude. The variety was tested at Morris, Becker, Waseca, Gaylord, Hector and Rosemount, MN.

3. MN0606CN carries the *Rpsl* gene for phytophthora resistance and is moderately susceptible to iron deficiency chlorosis.

4. Plant type: intermediate  Hypocotyl color: green
   Stem termination: indeterminate  Pubescence color: tawny
   Relative maturity rating: 0.6  Flower color: white
   Leaf shape: ovate  Mature pod color: brown
   Seed shape: spherical flattened  Mature seed color: yellow
   Mature cotyledon color: yellow  Mature hilum color: yellow
   Herbicide resistance: none
   Variants and other identifying characteristics: Up to 0.5% field variants and 0.5% other hilum may be present in some seed lots.

5. The foundation, registered and certified classes of seed will be produced. The Minnesota Agricultural Experiment Station (University of Minnesota) will maintain breeder's seed. The variety may be produced under a licensed agreement.

6. Certified seed will first be offered in 2011.

7. No PVP application will be submitted. Descriptive data can be supplied to the PVP database.

8. Certified seed acreage can be published by AOSCA and certifying agencies.
MN1413CN (M09-385041)

Variety name: MN1413CN  Experimental name M02-385041
Applicant University of Minnesota—Minnesota Agricultural Experiment Station

1. The pedigree of M02-385041 is MN0902CN x M95-255017. M95-255017 is derived from M92-1525 x A92-526007. The pedigree of M92-1525 is M85-647 x Bell. M85-647 is from Ozzie x Fayette. The pedigree of A92-526007 is A20 x Asgrow A2234. A20 is from BSR101 x CN210. A2234 is from (Calland x Amsoy) x (Century(3) x Williams 82). It is the bulked F5 progeny from an F4 plant from a population that had been advanced by a modified single seed descent procedure.

2. A full season variety from 43° to 45° N latitude. The variety was tested at Waseca, Lamberton, Westbrook, Gaylord and Rosemount, MN.

3. MN1413CN carries the *Rpsla* gene for phytophthora resistance and is moderately susceptible to iron deficiency chlorosis.

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: yellow
   Herbicide resistance: none
   Variants and other identifying characteristics: Up to 0.5% field variants and -0.5% other hila may be present in some seed lots.

5. The foundation, registered and certified classes of seed will be produced. The Minnesota Agricultural Experiment Station (University of Minnesota) will maintain breeder's seed. The variety may be produced under a licensed agreement.

6. Certified seed will first be offered in 2011.

7. No PVP application will be submitted. Descriptive data can be supplied to the PVP database.

8. Certified seed acreage can be published by AOSCA and certifying agencies.