

A REPORT OF THE
SOYBEAN VARIETY REVIEW BOARD



ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

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SOYBEAN VARIETY REVIEW BOARD
(FEBRUARY 2015)

The Association of Official Seed Certifying Agencies (AOSCA) Soybean Variety Review Board reviewed the following varieties on February 11, 2015. 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 Soybean Variety Review Board by the applicants. The 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 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 Soybean Variety Review Board, can be obtained from:

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Respectfully submitted,

Jim Rouse
Soybean Variety Review Board

2015 AOSCA SOYBEAN VRB

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Soybean

Applicant: Agrigenetics Inc, dba Dow AgroSciences

Variety name: 09G14F5132

Experimental name: _____

1. 09G14F5132 was developed by selecting F3 plants from a bi-parental population using modified single seed descent method. The line advanced through plant row testing in Chile in the winter of 2011-12 and preliminary trials in the Northern US states in the summer of 2012. Further selection was based on yield, BSR, IDC, PRR and varietal purity from advance testing in 2012. Pre-Breeder seed was produced at DAS's Grand Forks facility in North Dakota in summer of 2013.

2. 09G14F5132 was selected for high yield in early maturing soybean growing areas using modified single seed descent method. Tested in Minnesota, South & North Dakota, and Wisconsin and is well adapted to early maturity soybean geographies.

3. 09G14F5132 is an early maturing variety for northern geographies marketed by Agrigenetics, Inc. dba Dow AgroSciences. This variety showed moderate resistance to both Brown Stem Rot and Iron Deficiency Chlorosis. Tests showed a resistance to Phytophthora Root Rot. It is susceptible to SCN.

Plant Description	Mature Seed Description
Relative maturity: <u>0.9</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,500</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

.6% tawny pubescence observed.

5. Recognized classes of 09G14F5132 are breeder, foundation, registered, and certified. Agrigenetics Inc. dba Dow AgroSciences will maintain the variety by the plant-row method to produce breeder seed as needed. Agrigenetics Inc. dba Dow AgroSciences will also produce all foundation seed.

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6. | Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 | Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 | If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 | May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. | Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Jan 23, 2015

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Agrigenetics Inc, dba Dow AgroSciences

Variety name: 26G14W2254

Experimental name: _____

1. 26G14W2254 was developed by selecting F3 plants from a bi-parental population using modified single seed descent method. The line advanced through plant row testing in Chile in the winter of 2011-12 and preliminary trials in Canada and Northern US states in the summer of 2012. Further selection was based on yield, resistance (to SCN, PRR, IDC and BSR) and varietal purity from advance testing in 2013. Pre-Breeder seed was produced at DAS's St. Mary's facility in Ontario , Canada in summer of 2013.

2. 26G14W2254 was selected for high yield in early-mid maturing soybean growing areas using modified single seed descent method. Tested in Ontario, Minnesota, South & North Dakota, and Wisconsin and is well adapted to early-mid maturity soybean geographies.

3. 26G14W2254 is an early-mid maturing variety for northern geographies marketed by Agrigenetics, Inc. dba Dow AgroSciences. Testing revealed resistance to Phytophthora Root Rot (Rps 1K.) This variety also showed moderate resistance to Soybean Cyst Nematodes (race 3), IDC and Brown Stem Rot.

<u>Plant Description</u>	<u>Mature Seed Description</u>
Relative maturity: <u>2.6</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,800</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>White</u>	
Hypocotyl color: <u>Green</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

no variants of significance observed

5. Recognized classes of 26G14W2254 are breeder, foundation, registered, and certified. Agrigenetics Inc. dba Dow AgroSciences will maintain the variety by the plant-row method to produce breeder seed as needed. Agrigenetics Inc. dba Dow AgroSciences will also produce all foundation seed

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| 6. Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Jan 23, 2015

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P02T54R

Experimental name: XB02J14

1. Variety P02T54R was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicides resistance.

2. P02T54R was tested in the United States and Canada. P02T54R will be well adapted to group 0 maturity areas with the need for Phytophthora.

3. P02T54R has Rps1k resistant to Phytophthora.

Plant Description	Mature Seed Description
Relative maturity: <u>.2</u>	Mature hilum color: <u>Brown</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,850</u>
Pod color (mature): <u>Brown</u>	
Flower color: <u>Purple</u>	Herbicide resistance: <u>RR1</u>
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

P02T54R may contain 0.2% black hila and 0.2% tall plants

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.

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| 6. Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P006T78R

Experimental name: XB005G14

1. Variety P006T78R was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicides resistance.

2. P006T78R was tested in the United States and Canada. P006T78R will be well adapted to group 00 maturity areas with the need for Phytophthora.

3. P006T78R has Rps1C resistant to Phytophthora.

	Plant Description	Mature Seed Description
4.	Relative maturity: <u>00.6</u>	Mature hilum color: <u>Brown</u>
	Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
	Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,750</u>
	Pod color (mature): <u>Tan</u>	
	Flower color: <u>Purple</u>	Herbicide resistance: <u>RR1</u>
	Hypocotyl color: <u>Dark Purple</u>	
	Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

P006T78R may contain 0.2% late plants and 0.3% Tan (Imperfect Yellow) 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.

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| 6. | Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 | Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 | If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 | May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. | Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P09T74R2

Experimental name: XB07A14R2

1. Variety P09T74R2 was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® 2 branded herbicides resistance.

2. P09T74R2 was tested in the United States and Canada. P09T74R2 will be well adapted to group 0 maturity areas with the need for Phytophthora.

3. P09T74R2 has Rps1C resistant to Phytophthora and tolerance to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>.9</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,200</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>RR2</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

P09T74R2 may contain 0.2% tall late plants

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. Date first offered for sale (anticipated month/year): Mar-15

7.1 Has Plant Variety Protection been applied for? Will apply

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P15T46R2

Experimental name: XB15R14R2

1. Variety P15T46R2 was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® 2 branded herbicides resistance.

2. P15T46R2 was tested in the United States and Canada. P15T46R2 will be well adapted to group I maturity areas with the need for Phytophthora, SCN and iron chlorosis.

3. P15T46R2 has Rps1C resistant to Phytophthora, resistant to SCN and tolerance to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>1.5</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,800</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>RR2</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

P15T46R2 may contain 0.2% tall late plants and 1.5% Tawny pubescence, brown hila plants

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.

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| 6. Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P18T31R

Experimental name: XB19S14

1. Variety P18T31R was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicides resistance.

2. P18T31R was tested in the United States and Canada. P18T31R will be well adapted to group I maturity areas with the need for Phytophthora, SCN and iron chlorosis.

3. P18T31R has Rps1k resistant to Phytophthora and resistant to SCN and tolerance to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>1.8</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,050</u>
Pod color (mature): <u>Brown</u>	
Flower color: <u>Purple</u>	Herbicide resistance: <u>RR1</u>
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

P18T31R may contain 0.2% tall late plants

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.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 6. Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P22T73R

Experimental name: XB22C14

1. Variety P22T73R was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicides resistance.

2. P22T73R was tested in the United States and Canada. P22T73R will be well adapted to group II maturity areas with the need for Phytophthora, SCN and iron chlorosis.

3. P22T73R has Rps1C resistant to Phytophthora, SCN and tolerance to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>2.2</u>	Mature hilum color: <u>Brown</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,050</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>RR1</u>
Flower color: <u>White</u>	
Hypocotyl color: <u>Green w/ bronze band below cotyledons</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

P22T73R may contain 0.2% tawny pubescence, black hila plants

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. Date first offered for sale (anticipated month/year):	<u>Mar-15</u>
7.1 Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P28T08R

Experimental name: XB28E14

1. Variety P28T08R was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicides resistance.

2. P28T08R was tested in the United States and Canada. P28T08R will be well adapted to group II maturity areas with the need for Phytophthora, SCN and iron chlorosis.

3. P28T08R has Rps1K resistant to Phytophthora and tolerance to iron chlorosis.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>2.8</u>		Mature hilum color: <u>Black</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Spherical flattened</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>2,350</u>
	Pod color (mature): <u>Brown</u>		
	Flower color: <u>Purple</u>		Herbicide resistance: <u>RR1</u>
	Hypocotyl color: <u>Light Purple</u>		
	Pubescence color: <u>Light Tawny</u>		

Variants and other identifying characteristics:

P28T08R may contain 0.2% tall, late, tawny plants and 0.6% brown 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.

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 6. | Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 | Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 | If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 | May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. | Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P28T71X

Experimental name: XR27AK14RX

1. Variety P28T71X was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® 2 and Dicamba branded herbicides resistance.

2. P28T71X was tested in the United States and Canada. P28T71X will be well adapted to group II maturity areas with the need for Phytophthora, SCN and iron chlorosis.

3. P28T71X has Rps1C resistant to Phytophthora, SCN and tolerance to iron chlorosis.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>2.8</u>		Mature hilum color: <u>Imperfect Black</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Elongate</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>3,200</u>
	Pod color (mature): <u>Brown</u>		Herbicide resistance: <u>RR2, XTEND</u>
	Flower color: <u>Purple</u>		
	Hypocotyl color: <u>Light Purple</u>		
	Pubescence color: <u>Gray</u>		

Variants and other identifying characteristics:

P28T71X may contain 0.2% late plants. Under certain environmental conditions the imperfect black hila may appear buff.

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.

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 6. | Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 | Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 | If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 | May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. | Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P29T40PR

Experimental name: XR30AD14

1. Variety P29T40PR was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicides resistance.

2. P29T40PR was tested in the United States and Canada. P29T40PR will be well adapted to group II maturity areas with the need for Phytophthora and SCN.

3. P29T40PR has Rps1k resistant to Phytophthora and SCN.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>2.9</u>		Mature hilum color: <u>Black</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Elongate</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>2,750</u>
	Pod color (mature): <u>Brown</u>		
	Flower color: <u>White</u>		Herbicide resistance: <u>RR1</u>
	Hypocotyl color: <u>Green w/ bronze band below cotyledons</u>		
	Pubescence color: <u>Light Tawny</u>		

Variants and other identifying characteristics:

P29T40PR may contain 0.2% purple flowers and 0.2% tall plants

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.

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 6. | Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 | Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 | If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 | May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. | Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P31T38X

Experimental name: XR30AR14RX

1. Variety P31T38X was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup®2 and Dicamba branded herbicides resistance.

2. P31T38X was tested in the United States and Canada. P31T38X will be well adapted to group III maturity areas with the need for Phytophthora, and iron chlorosis.

3. P31T38X has Rps1C resistant to Phytophthora and tolerance to iron chlorosis.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>3.1</u>		Mature hilum color: <u>Imperfect Black</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Elongate</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>2,400</u>
	Pod color (mature): <u>Brown</u>		
	Flower color: <u>Purple</u>		Herbicide resistance: <u>RR2, XTEND</u>
	Hypocotyl color: <u>Light Purple</u>		
	Pubescence color: <u>Gray</u>		

Variants and other identifying characteristics:

None

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.	Date first offered for sale (anticipated month/year):	<u>Mar-15</u>
7.1	Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2	If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3	May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8.	Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P31T52X

Experimental name: XR30AT14RX

1. Variety P31T52X was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® 2 and Xtend branded herbicides resistance.

2. P31T52X was tested in the United States and Canada. P31T52X will be well adapted to group III maturity areas with the need for Phytophthora.

3. P31T52X has Rps1C resistant to Phytophthora and SCN.

Plant Description	Mature Seed Description
Relative maturity: <u>3.1</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,600</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>RR2, Xtend</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

P31T52X may contain 0.2% tawny pubescence brown hila plants. Under certain environmental conditions the imperfect black hila may appear buff.

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.

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| 6. Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P32T16R

Experimental name: XB29AE14

1. Variety P32T16R was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicide resistance.

2. P32T16R was tested in the United States and Canada. P32T16R will be well adapted to group III maturity areas with the need for Phytophthora and SCN.

3. P32T16R has Rps1K resistant to Phytophthora and SCN.

Plant Description	Mature Seed Description
Relative maturity: <u>3.2</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,800</u>
Pod color (mature): <u>Tan</u>	
Flower color: <u>Purple</u>	Herbicide resistance: <u>RR1</u>
Hypocotyl color: <u></u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

P32T16R may contain 0.2% tall late plants

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.

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| 6. Date first offered for sale (anticipated month/year): | <u>Mar-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Pioneer Hi-Bred International, Inc

Variety name: P32T49PR

Experimental name: XR32AU14

1. Variety P32T49PR was developed from the modified single seed descent method and selected based on yield, maturity, Phytophthora sojae resistance and Roundup® branded herbicide resistance.

2. P32T49PR was tested in the United States and Canada. P32T49PR will be well adapted to group III maturity areas with the need for Phytophthora.

3. P32T49PR has Rps1K resistant to Phytophthora.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>3.2</u>		Mature hilum color: <u>Brown</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Elongate flattened</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>2,200</u>
	Pod color (mature): <u>Brown</u>		
	Flower color: <u>White</u>		Herbicide resistance: <u>RR1</u>
	Hypocotyl color: <u>Green w/ bronze band below cotyledons</u>		
	Pubescence color: <u>Light Tawny</u>		

Variants and other identifying characteristics:

P32T49PR may contain 0.5% black hila plants and 0.2% tall late plants

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.	Date first offered for sale (anticipated month/year):	<u>Mar-15</u>
7.1	Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2	If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3	May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8.	Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 12, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Silvia R. Cianzio - Iowa State University

Variety name: IAR2601 SCN

Experimental name: AR10-205011

1. IAR2601 SCN was developed using a modified single seed descent method, and selected on the basis of agronomic performance, as well as, soybean cyst nematode and brown stem rot resistance. IAR2601 SCN is a F4 plant selection from the cross of SS02-12014 X AR02-101001, that was purified at the F8.
2. IAR2601 SCN is best adapted for use in Central and Northern Iowa. In 2013 and 2014, this variety was tested in the Iowa Crop Improvement Association Soybean Test and the Iowa State University SCN-resistant Soybean Variety Trials in the central districts. IAR2601 SCN is a non-GMO line, with PI438489B source of resistance, intended for use in the commodity, non-GMO, or organic markets.
3. IAR2601 SCN possesses strong SCN resistance to HG type 0, derived from PI438489B. SCN resistance has been confirmed in greenhouse waterbath testing and at multiple field testing locations. Greenhouse testing also has shown that IAR2601 SCN possesses moderate resistance to Brown Stem Rot derived from BSR 101.

4.	<u>Plant Description</u>	<u>Mature Seed Description</u>
	Relative maturity: <u>2.6</u>	Mature hilum color: <u>Brown</u>
	Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
	Leaf shape: <u>Lanceolate</u>	Average Number of Seeds per pound: <u>3,280</u>
	Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>None (conventional)</u>
	Flower color: <u>Purple</u>	
	Hypocotyl color: <u>Light Purple</u>	
	Pubescence color: <u>Tawny</u>	

Variants and other identifying characteristics:

IAR2601 SCN is not genetically modified and was developed using standard breeding procedures. Bioassay conducted at the Iowa State University Seed Lab found 0.00% Roundup resistant seeds in a 400 seed sample. Although great care was taken in the development and purification of this variety, we cannot guarantee that this seed stock is 100% GMO free.

5. Seed of IAR2601 SCN will be produced as Foundation, Registered, and Certified seed through the Iowa State University Research Foundation, Inc. IAR2601 SCN is subject to collection of a royalty fee and production under a licensing agreement.
6. Date first offered for sale (anticipated month/year): Feb-15
- 7.1 Has Plant Variety Protection been applied for? No
- 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____
- 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? Yes

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA1029

Experimental name: A11-108005

1. IA1029 is a F3 plant selection from the cross IA1018 x LD04-2817P. It was selected for its higher protein and larger seed size than conventional varieties. See Table 1 for the breeding history. IA1029 has a seed size of 2.220 seeds per pound and a protein content of 38.0% on a 13%-moisture basis compared with a seed size of 2,870 seeds per pound and protein content of 33.5% for the conventional variety IA1022 when the two varieties were grown in the same tests in Iowa.

2. IA1029 was tested across northern Iowa and will be grown in similar latitudes in other parts of the United States for use in the production of soyfoods.

3. IA1029 has not been tested against specific soybean diseases.

Plant Description		Mature Seed Description	
Relative maturity:	<u>1.8</u>	Mature hilum color:	<u>Yellow</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,220</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>None (conventional)</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Light Purple</u>		
Pubescence color:	<u>Light Tawny</u>		

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 01, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA1030

Experimental name: A11-107009

1. IA1030 is a F3 plant selection from the cross IA2076 x (Dow 75234 x A04-646026). It was selected for its larger seed size than conventional varieties. See Table 1 for the breeding history. IA1030 had a seed size of 1,640 per pound compared with a seed size of 2,550 seeds per pound for the conventional variety IA1025.

2. IA1030 was tested was across northern Iowa and will be grown in similar latitudes in other parts of the United States for use in the production of soyfoods.

3. IA1030 has not been tested against specific soybean diseases.

4. **Plant Description**

Relative maturity:	<u>1.8</u>
Plant type:	<u>Intermediate</u>
Stem termination:	<u>Indeterminate</u>
Leaf shape:	<u>Ovate</u>
Pod color (mature):	<u>Brown</u>
Flower color:	<u>Purple</u>
Hypocotyl color:	<u>Light Purple</u>
Pubescence color:	<u>Gray</u>

Mature Seed Description

Mature hilum color:	<u>Yellow</u>
Mature seed color:	<u>Yellow</u>
Seed shape:	<u>Spherical</u>
Average Number of Seeds per pound	<u>1,640</u>
Herbicide resistance:	<u>None (conventional)</u>

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA2110

Experimental name: A11-203034

1. IA2110 is a F3 plant selection from the cross A07-521011 x Dairyland 75221. It was selected for an oil composition of less than 7.5% saturated fatty acids. See Table 1 for the breeding history. IA2110 had a saturated fatty acid content of 7.0% compared with 15.5% for the conventional variety IA2102.

2. IA2110 was tested was across Iowa and will be grown in similar latitudes in other parts of the United States for use in the production of a low saturate oil.

3. IA2110 has not been tested against specific soybean diseases.

Plant Description	Mature Seed Description
Relative maturity: <u>2.8</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,720</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>None (conventional)</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA2111

Experimental name: A11-203039

1. IA2111 is a F3 plant selection from the cross A07-521018 x Syngenta 03JR101916. It was selected for an oil composition of less than 7.5% saturated fatty acids. See Table 1 for the breeding history. IA2111 had a saturated fatty acid content of 6.7% compared with 15.5% for the conventional variety IA2102.

2. IA2111 was tested across Iowa and will be grown in similar latitudes in other parts of the United States for use in the production of a low saturate oil.

3. IA2111 has not been tested against specific soybean diseases.

Plant Description	Mature Seed Description
Relative maturity: <u>2.7</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,660</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>None (conventional)</u>
Flower color: <u>White</u>	
Hypocotyl color: <u>Green</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA2112RA12

Experimental name: IA2102RA12-138

1.

IA2112RA12 was developed by backcrossing the Rag1 and Rag2 alleles into IA2102. IA2112RA12 is an earlier maturing selection from the backcross program. See table 1 for the breeding history.

2.

IA2102RA12 will be grown in the northern half of Iowa and in similar latitudes in other parts of the United States for use as a commodity or for the production of soyfoods.

3.

IA2102RA12 has not been tested against specific soybean diseases. IA2102RA12 possesses soybean aphid resistance conferred by the Rag1 and Rag2 alleles.

	Plant Description	Mature Seed Description
4.	Relative maturity: <u>2.6</u>	Mature hilum color: <u>Yellow</u>
	Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>	Seed shape: <u>Elongate</u>
	Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,540</u>
	Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>None (conventional)</u>
	Flower color: <u>White</u>	
	Hypocotyl color: <u>Green</u>	
	Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5.

Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-15
- 7.1 Has Plant Variety Protection been applied for? No
- 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____
- 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA2113RA12

Experimental name: IA2104RA12-166

1. IA2104RA12 was developed by backcrossing the Rag1 and Rag2 alleles into IA2104. IA2113RA12 is an earlier maturity selection from that program. See table 1 for the breeding history.

2. IA2104RA12 will be grown in the northern half of Iowa and in similar latitudes in other parts of the United States for use in the production of soyfoods.

3. IA2104RA12 has not been tested against specific soybean diseases. IA2104RA12 possesses soybean aphid resistance conferred by the Rag1 and Rag2 alleles.

Plant Description		Mature Seed Description	
Relative maturity:	2.2	Mature hilum color:	Yellow
Plant type:	Intermediate	Mature seed color:	Yellow
Stem termination:	Indeterminate	Seed shape:	Elongate
Leaf shape:	Ovate	Average Number of Seeds per pound	2,120
Pod color (mature):	Tan	Herbicide resistance:	None (conventional)
Flower color:	White		
Hypocotyl color:	Green		
Pubescence color:	Tawny		

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

- 6. Date first offered for sale (anticipated month/year): Nov-15
- 7.1 Has Plant Variety Protection been applied for? No
- 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?
- 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes
- 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA3054RA12

Experimental name: IA3051RA12-223

1. IA3054RA12 was developed by backcrossing the Rag1 and Rag2 alleles into IA3051. IA3054RA12 is an earlier maturing selection from the backcross program. See table 1 for the breeding history.

2. IA3054RA12 will be grown in the southern half of Iowa and in similar latitudes in other parts of the United States for use in the production of soyfoods.

3. IA3054RA12 has not been tested against specific soybean diseases. IA3051RA12 possesses soybean aphid resistance conferred by the Rag1 and Rag2 alleles.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>3.0</u>		Mature hilum color: <u>Yellow</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Elongate</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>2,020</u>
	Pod color (mature): <u>Brown</u>		
	Flower color: <u>White</u>		Herbicide resistance: <u>None (conventional)</u>
	Hypocotyl color: <u>Green</u>		
	Pubescence color: <u>Gray</u>		

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Iowa State University Research Foundation, Inc.

Variety name: IA3055

Experimental name: A10-653019

1. IA3055 is a F3 plant selection from the cross IA3042 x Syngenta 03JR321086. It was selected for an oil composition of less than 1.5% linolenic acid. See Table 1 for the breeding history. IA3055 had a linolenic acid content of 1.4% compared with 6.8% for the conventional variety IA3052.

2. IA3055 was tested across central and southern Iowa and will be grown in similar latitudes in other parts of the United States.

3. IA3055 has not been tested against specific soybean diseases.

Plant Description		Mature Seed Description	
Relative maturity:	<u>3.0</u>	Mature hilum color:	<u>Brown</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Elongate</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,870</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>None (conventional)</u>
Flower color:	<u>White</u>		
Hypocotyl color:	<u>Green</u>		
Pubescence color:	<u>Light Tawny</u>		

Variants and other identifying characteristics:

There are no other distinguishing characteristics.

5. Foundation, Registered, and Certified are recognized seed classes. The Iowa State University Research Foundation, Inc. (ISURF) is the responsible party. Seed stocks will be maintained by roguing off-types from Foundation seed production fields. Production is subject to a licensing agreement with ISURF.

6. Date first offered for sale (anticipated month/year): Nov-14

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? Yes

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050493

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early group 00 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

4. **Plant Description**

Relative maturity:	<u>0.01</u>
Plant type:	<u>Intermediate</u>
Stem termination:	<u>Indeterminate</u>
Leaf shape:	<u>Ovate</u>
Pod color (mature):	<u>Tan</u>
Flower color:	<u>Purple</u>
Hypocotyl color:	<u>Dark Purple</u>
Pubescence color:	<u>Gray</u>

Mature Seed Description

Mature hilum color:	<u>Imperfect Black</u>
Mature seed color:	<u>Yellow</u>
Seed shape:	<u>Spherical flattened</u>
Average Number of Seeds per pound	<u>2,370</u>
Herbicide resistance:	<u>Glyphosate-RR2Y</u>

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050509

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN susceptible to Race 3.

Plant Description		Mature Seed Description	
Relative maturity:	<u>0.9</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,970</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate-RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Dark Purple</u>		
Pubescence color:	<u>Tawny</u>		

Variants and other identifying characteristics:

0.4% other hilum variants/off types (brown hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Applicant: Monsanto Technology, LLC

Variety name: 01050520

Experimental name: _____

1. The cross was made in 2010 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN susceptible to Race 3.

Plant Description		Mature Seed Description	
Relative maturity:	<u>0.3</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>3,042</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate-RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Light Purple</u>		
Pubescence color:	<u>Tawny</u>		

Variants and other identifying characteristics:

0.06% other hilum variants/off types (buff, gray) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050534

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN susceptible to Race1 and Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>0.6</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Bushy</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,748</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

0.2% other hilum variants/off types (brown hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year):	<u>Sep-15</u>
7.1 Has Plant Variety Protection been applied for?	<u>No</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	_____
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050544

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN moderately susceptible-moderately resistant to Race 3.

4. **Plant Description**

Relative maturity:	<u>0.8</u>
Plant type:	<u>Intermediate</u>
Stem termination:	<u>Indeterminate</u>
Leaf shape:	<u>Ovate</u>
Pod color (mature):	<u>Brown</u>
Flower color:	<u>White</u>
Hypocotyl color:	<u>Green</u>
Pubescence color:	<u>Tawny</u>

Mature Seed Description

Mature hilum color:	<u>Black</u>
Mature seed color:	<u>Yellow</u>
Seed shape:	<u>Spherical flattened</u>
Average Number of Seeds per pound	<u>2,871</u>
Herbicide resistance:	<u>Glyphosate-RR2Y</u>

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050558

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN susceptible Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>0.6</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Bushy</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,260</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Tawny</u>	

Variants and other identifying characteristics:

0.2% other hilum variants/off types (brown hilum and black seed coat) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year):	<u>Sep-15</u>
7.1 Has Plant Variety Protection been applied for?	<u>No</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	_____
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050571

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description		Mature Seed Description	
Relative maturity:	<u>0.6</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,630</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate-RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Light Purple</u>		
Pubescence color:	<u>Tawny</u>		

Variants and other identifying characteristics:

0.2% other hilum variants/off types (buff, brown) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto’s purity and stewardship standards

- | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6. | Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 | Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 | If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 | May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. | Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050585

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

4. Plant Description	Mature Seed Description
Relative maturity: <u>0.9</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,980</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Tawny</u>	

Variants and other identifying characteristics:
No other variants observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto’s purity and stewardship standards

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6. Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050605

Experimental name: _____

1. The cross was made in 2008 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early group 1 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN susceptible to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>1.0</u>	Mature hilum color: <u>Brown</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,737</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

0.3% other hilum variants/off types (black hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto’s purity and stewardship standards

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6. Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050625

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early group 1 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>1.2</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,870</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6. Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050628

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early group 1 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

4. **Plant Description**

Relative maturity:	<u>1.3</u>
Plant type:	<u>Intermediate</u>
Stem termination:	<u>Indeterminate</u>
Leaf shape:	<u>Ovate</u>
Pod color (mature):	<u>Brown</u>
Flower color:	<u>Purple</u>
Hypocotyl color:	<u>Light Purple</u>
Pubescence color:	<u>Light Tawny</u>

Mature Seed Description

Mature hilum color:	<u>Black</u>
Mature seed color:	<u>Yellow</u>
Seed shape:	<u>Spherical flattened</u>
Average Number of Seeds per pound	<u>2,540</u>
Herbicide resistance:	<u>Glyphosate-RR2Y</u>

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050689

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 1 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>1.7</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,864</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

0.2% other hilum variants/off types (buff, gray, black hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year):	<u>Sep-15</u>
7.1 Has Plant Variety Protection been applied for?	<u>No</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050718

Experimental name: _____

1. The cross was made in 2007 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 1 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>1.9</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,090</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050807

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early group 2 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>2.3</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,760</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto’s purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050834

Experimental name: _____

1. The cross was made in 2008 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 2 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>2.4</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,700</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

0.2% other hilum variants/off types (yellow, buff, gray, black hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto’s purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050906

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 2 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description		Mature Seed Description	
Relative maturity:	<u>2.6</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,600</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate-RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Light Purple</u>		
Pubescence color:	<u>Light Tawny</u>		

Variants and other identifying characteristics:

0.2% other hilum variants/off types (brown hilum and black seed coat) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto’s purity and stewardship standards.

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is “Yes” or “Will apply”, will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01050909

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early mid 2 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

4. **Plant Description**

Relative maturity:	<u>2.6</u>
Plant type:	<u>Intermediate</u>
Stem termination:	<u>Indeterminate</u>
Leaf shape:	<u>Ovate</u>
Pod color (mature):	<u>Brown</u>
Flower color:	<u>Purple</u>
Hypocotyl color:	<u>Light Purple</u>
Pubescence color:	<u>Light Tawny</u>

Mature Seed Description

Mature hilum color:	<u>Black</u>
Mature seed color:	<u>Yellow</u>
Seed shape:	<u>Spherical flattened</u>
Average Number of Seeds per pound	<u>2,800</u>
Herbicide resistance:	<u>Glyphosate-RR2Y</u>

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01051034

Experimental name: _____

1. The cross was made in 2010 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 2 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>2.9</u>	Mature hilum color: <u>Brown</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,360</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

0.3% other hilum variants/off types (black hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01057518

Experimental name: _____

1. The cross was made in 2008 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 00 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN moderately susceptible-moderately resistant to Race 3.

Plant Description		Mature Seed Description	
Relative maturity:	<u>0.05</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Bushy</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>3,040</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate-RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Light Purple</u>		
Pubescence color:	<u>Tawny</u>		

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Applicant: Monsanto Technology, LLCVariety name: 01057523

Experimental name: _____

1. The cross was made in 2008 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the mid group 00 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN moderately resistant to Race 3.

Plant Description		Mature Seed Description	
Relative maturity:	<u>0.5</u>	Mature hilum color:	<u>Brown</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,540</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate-RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Dark Purple</u>		
Pubescence color:	<u>Tawny</u>		

Variants and other identifying characteristics:

3% other hilum variants/off types (black hilum) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01057525

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 00 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The variety is resistant to SCN Race 3

Plant Description	Mature Seed Description
Relative maturity: <u>0.03</u>	Mature hilum color: <u>Gray</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>3,040</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01057526

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the early group 0 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The variety is resistant to SCN Race 3

Plant Description	Mature Seed Description
Relative maturity: <u>0.03</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,960</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Dark Purple</u>	
Pubescence color: <u>Tawny</u>	

Variants and other identifying characteristics:

No variants have been observed

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6. Date first offered for sale (anticipated month/year): | <u>Sep-15</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>No</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | _____ |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Monsanto Technology, LLC

Variety name: 01057531

Experimental name: _____

1. The cross was made in 2009 and advanced to the F3 generation using the bulk method. From the F3 it was advanced thru single plant selection and then grown in progeny rows. It then preceded into multiyear/multi location yield trials and also had breeder seed produced. The variety was selected for advancement based on agronomic characteristics including but not limited to: general plant health, lodging, disease and herbicide resistance, maturity and yield.

2. The variety is adapted to the late group 00 growing region and tested at multiple years and locations throughout that growing region and is a commodity grain type product.

3. The varieties disease and or pest reaction is identified as SCN moderately resistant to Race 3.

Plant Description	Mature Seed Description
Relative maturity: <u>0.02</u>	Mature hilum color: <u>Imperfect Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,860</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate-RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

0.3% other hilum variants/off types (black) have been observed.

5. Recognized classes are breeder, foundation, registered and certified. Monsanto Technology, LLC will maintain the variety in accordance to Monsanto's purity and stewardship standards.

6. Date first offered for sale (anticipated month/year): Sep-15

7.1 Has Plant Variety Protection been applied for? No

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? _____

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 19, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: AR1112922

Experimental name: X2R0241

1. AR1112922 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. AR1112922 was tested in the upper- midwest from the Dakotas, Minnesota and Canada in the early group 0 soybean growing areas. AR1112922 performs well in most areas where early group 0 varieties are grown.

3. AR1112922 is susceptible for resistance to phytophthora It is also susceptible to race 3 and 14 of SCN and is average for resistance to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>0.2</u>	Mature hilum color: <u>Imperfect Yellow</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>3,100</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of AR1112922 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year):	<u>Jan, 2015</u>
7.1 Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: AR1210104

Experimental name: X2R1041

1. AR1210104 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. AR1210104 was tested in the midwest from the Dakotas, Minnesota and Canada in the early I soybean growing areas. It can be grown where SCN is a problem. AR1210104 performs well in most areas where early I varieties are grown.

3. AR1210104 is susceptible phytophthora It is resistant to race 3 and 14 of SCN and has an intermediate reaction to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>1.1</u>	Mature hilum color: <u>Brown</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,600</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of AR1210104 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year):	<u>Jan, 2015</u>
7.1 Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: AR1210886

Experimental name: X2R0743

1. AR1210886 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. AR1210886 was tested in the upper midwest from the Dakotas, Minnesota and Canada in the mid-group 0 soybean growing areas. It can be grown where SCN is a problem. AR1210886 performs well in most areas where mid group 0 varieties are grown.

3. AR1210886 is susceptible to phytophthora It is resistant to race 3 and moderately resistant to race 14 of SCN and is moderately susceptible to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>0.6</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,900</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of AR1210886 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

- 6. Date first offered for sale (anticipated month/year): Jan, 2015
- 7.1 Has Plant Variety Protection been applied for? Will apply
- 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No
- 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No
- 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: AR1215506

Experimental name: X2R000941

1. AR1215506 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. AR1215506 was tested in the Upper-midwest in North Dakota, Minnesota and Canada in the late double 0 soybean growing areas. It can be grown where Phytophthora and Iron Chlorosis are problems. AR1215506 performs well in all areas where late double 0 varieties are grown.

3. AR1215506 has Rps 6 for resistance to phytophthora. It is susceptible to race 3 and 14 of SCN and is resistant to iron chlorosis.

Plant Description		Mature Seed Description	
Relative maturity:	0.009	Mature hilum color:	Brown
Plant type:	Intermediate	Mature seed color:	Yellow
Stem termination:	Indeterminate	Seed shape:	Spherical flattened
Leaf shape:	Ovate	Average Number of Seeds per pound	3,000
Pod color (mature):	Brown	Herbicide resistance:	Glyphosate - RR2Y
Flower color:	Purple		
Hypocotyl color:	Dark Purple		
Pubescence color:	Tawny		

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of AR1215506 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

- 6. Date first offered for sale (anticipated month/year): Jan, 2015
- 7.1 Has Plant Variety Protection been applied for? Will apply
- 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No
- 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No
- 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: AR1215521

Experimental name: X2R000942

1. AR1215521 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. AR1215521 was tested in the Upper-midwest in North Dakota, Minnesota and Canada in the late double 0 soybean growing areas. It can be grown where Phytophthora and Iron Chlorosis are problems. AR1215521 performs well in all areas where late double 0 varieties are grown.

3. AR1215521 has Rps 6 for resistance to phytophthora. It is susceptible to race 3 and 14 of SCN and is resistant to iron chlorosis.

	Plant Description		Mature Seed Description
4.	Relative maturity: <u>0.009</u>		Mature hilum color: <u>Yellow</u>
	Plant type: <u>Intermediate</u>		Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>		Seed shape: <u>Spherical flattened</u>
	Leaf shape: <u>Ovate</u>		Average Number of Seeds per pound: <u>3,000</u>
	Pod color (mature): <u>Brown</u>		
	Flower color: <u>Purple</u>		Herbicide resistance: <u>Glyphosate - RR2Y</u>
	Hypocotyl color: <u>Dark Purple</u>		
	Pubescence color: <u>Tawny</u>		

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of AR1215521 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year): Jan, 2015

7.1 Has Plant Variety Protection been applied for? Will apply

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: CE1211339

Experimental name: X2R2842

1. CE1211339 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. CE1211339 was tested in the midwest from the Nebraska to Ohio and Canada in the mid to late group II soybean growing areas. It can be grown where SCN is a problem. CE1211339 performs well in all areas where mid to late group II varieties are grown.

3. CE1211339 is susceptible to phytophthora It is resistant to race 3 and moderately resistant to race 14 of SCN and has an intermediate reaction to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>2.8</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound <u>2,700</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>Purple</u>	
Hypocotyl color: <u>Light Purple</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of CE1211339 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year):	<u>Jan, 2015</u>
7.1 Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: CE1214014

Experimental name: X2R2547

1. CE1214014 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. CE1214014 was tested in the midwest from the Nebraska to Ohio and Canada in the mid-group II soybean growing areas. It can be grown where SCN and Iron Chlorosis are problems. CE1214014 performs well in all areas where mid group II varieties are grown.

3. CE1214014 has Rps 1-c for resistance to phytophthora. It is resistant to race 3 and moderately resistant to race 14 of SCN and is moderately resistant to iron chlorosis.

Plant Description		Mature Seed Description	
Relative maturity:	2.5	Mature hilum color:	Buff
Plant type:	Intermediate	Mature seed color:	Yellow
Stem termination:	Indeterminate	Seed shape:	Spherical flattened
Leaf shape:	Ovate	Average Number of Seeds per pound	2,500
Pod color (mature):	Tan	Herbicide resistance:	Glyphosate - RR2Y
Flower color:	White		
Hypocotyl color:	Green		
Pubescence color:	Gray		

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of CE1214014 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6.	Date first offered for sale (anticipated month/year):	Jan, 2015
7.1	Has Plant Variety Protection been applied for?	Will apply
7.2	If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	No
7.3	May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	No
8.	Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: CE1211109

Experimental name: X2R2649

1. CE1211109 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. CE1211109 was tested in the midwest from the Nebraska to Ohio and Canada in the mid-group II soybean growing areas. It can be grown where SCN is a problem. CE1211109 performs well in all areas where mid group II varieties are grown.

3. CE1211109 is susceptible to phytophthora. It is resistant to race 3 and 14 of SCN and has an intermediate reaction to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>2.6</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,900</u>
Pod color (mature): <u>Tan</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>White</u>	
Hypocotyl color: <u>Green w/ bronze band below cotyledons</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed

5. Recognized classes of CE1211109 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year): Jan, 2015

7.1 Has Plant Variety Protection been applied for? Will apply

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: GO1112037

Experimental name: X2R00932

1. GO1112037 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. GO1112037 was tested in the Dakotas, Minnesota and Canada in the early group 0 soybean growing areas. It can be grown where phytophthora and Iron Chlorosis are problems. GO1112037 performs well in all areas where early group 0 varieties are grown.

3. GO1112037 has Rps 3 for resistance to phytophthora It is susceptible to race 3 and 14 of SCN and is resistant to iron chlorosis.

Plant Description		Mature Seed Description	
Relative maturity:	<u>0.09</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,700</u>
Pod color (mature):	<u>Brown</u>	Herbicide resistance:	<u>Glyphosate - RR2Y</u>
Flower color:	<u>Purple</u>		
Hypocotyl color:	<u>Light Purple</u>		
Pubescence color:	<u>Light Tawny</u>		

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of GO1112037 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year): Jan, 2015

7.1 Has Plant Variety Protection been applied for? Will apply

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: OW1212626

Experimental name: X2R2144

1. OW1212626 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. OW1212626 was tested in the midwest from the Nebraska to Ohio and Canada in the early-group II soybean growing areas. It can be grown where SCN is a problem. OW1212626 performs well in all areas where early group II varieties are grown.

3. OW1212626 is susceptible to phytophthora. It is resistant to race 3 and 14 of SCN and is moderately susceptible to iron chlorosis.

Plant Description	Mature Seed Description
Relative maturity: <u>2.2</u>	Mature hilum color: <u>Black</u>
Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,500</u>
Pod color (mature): <u>Brown</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
Flower color: <u>White</u>	
Hypocotyl color: <u>Green w/ bronze band below cotyledons</u>	
Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of OW1212626 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 6. Date first offered for sale (anticipated month/year): | <u>Jan, 2015</u> |
| 7.1 Has Plant Variety Protection been applied for? | <u>Will apply</u> |
| 7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? | <u>No</u> |
| 7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? | <u>No</u> |
| 8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? | <u>No</u> |

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: OW1213195

Experimental name: X2R1846

1. OW1213195 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. OW1213195 was tested in the midwest from the Dakotas, Iowa, Minnesota and Canada in the late I soybean growing areas. It can be grown where SCN is a problem. OW1213195 performs well in all areas where late group I varieties are grown.

3. OW1213195 has Rps 1-k for resistance to phytophthora. It is resistant to race 3 and moderately resistant to race 14 of SCN and is intermediate for resistant to iron chlorosis.

4.	Plant Description	Mature Seed Description
	Relative maturity: <u>1.9</u>	Mature hilum color: <u>Buff</u>
	Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
	Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,800</u>
	Pod color (mature): <u>Tan</u>	
	Flower color: <u>Purple</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
	Hypocotyl color: <u>Light Purple</u>	
	Pubescence color: <u>Gray</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of OW1213195 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6.	Date first offered for sale (anticipated month/year):	<u>Jan, 2015</u>
7.1	Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2	If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3	May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8.	Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: SJ1210678

Experimental name: X2R2944

1. SJ1210678 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.

2. SJ1210678 was tested in the midwest from the Nebraska to Ohio and Canada in the mid to late group II soybean growing areas. It can be grown where SCN and Iron Chlorosis are problems. SJ1210678 performs well in all areas where mid to late group II varieties are grown.

3. SJ1210678 is susceptible to phytophthora It is resistant to race 3 and moderately resistant to race 14 of SCN and is moderately resistant to iron chlorosis.

	Plant Description	Mature Seed Description
4.	Relative maturity: <u>2.8</u>	Mature hilum color: <u>Black</u>
	Plant type: <u>Intermediate</u>	Mature seed color: <u>Yellow</u>
	Stem termination: <u>Indeterminate</u>	Seed shape: <u>Spherical flattened</u>
	Leaf shape: <u>Ovate</u>	Average Number of Seeds per pound: <u>2,400</u>
	Pod color (mature): <u>Brown</u>	
	Flower color: <u>Purple</u>	Herbicide resistance: <u>Glyphosate - RR2Y</u>
	Hypocotyl color: <u>Light Purple</u>	
	Pubescence color: <u>Light Tawny</u>	

Variants and other identifying characteristics:

No variances observed.

5. Recognized classes of SJ1210678 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.

6. Date first offered for sale (anticipated month/year): Jan, 2015

7.1 Has Plant Variety Protection been applied for? Will apply

7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed? No

7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database? No

8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies? No

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015

Soybean

Applicant: Syngenta Seeds Inc.

Variety name: WN1118398

Experimental name: X2RS3234

1. **WN1118398 was selected from an F4 plant from a cross of a conventional line by a Roundup Ready 2 line. Winter nurseries were used to advance generations using modified single seed descent method. A single-row preliminary yield trial was used to evaluate yield and maturity then advanced to second year testing in 10-12 reps and on to 3rd and 4th year testing at 25-35 replicated locations. Evaluations and selections were based on yield, maturity, lodging, disease reactions and purity.**

2. **WN1118398 was tested in the midwest from the Nebraska to Ohio and Canada in the early group III soybean growing areas. It can be grown where SCN and phytophthora are problems. WN1118398 performs well in all areas where early group III varieties are grown.**

3. **WN1118398 has Rps 1-c for resistance to phytophthora It is resistant to race 3 and moderately resistant to race 14 of SCN and has an intermediate reaction to iron chlorosis.**

Plant Description		Mature Seed Description	
Relative maturity:	<u>3.2</u>	Mature hilum color:	<u>Black</u>
Plant type:	<u>Intermediate</u>	Mature seed color:	<u>Yellow</u>
Stem termination:	<u>Indeterminate</u>	Seed shape:	<u>Spherical flattened</u>
Leaf shape:	<u>Ovate</u>	Average Number of Seeds per pound	<u>2,900</u>
Pod color (mature):	<u>Tan</u>	Herbicide resistance:	<u>Glyphosate - RR2Y</u>
Flower color:	<u>White</u>		
Hypocotyl color:	<u>Green w/ bronze band below cotyledons</u>		
Pubescence color:	<u>Light Tawny</u>		

Variants and other identifying characteristics:

No variances observed.

5. **Recognized classes of WN1118398 are breeder, foundation, registered and certified. Syngenta Seeds INC will maintain the variety and breeder seed as needed. No royalty fees or stewardship/licensing agreements are anticipated.**

6. Date first offered for sale (anticipated month/year):	<u>Jan, 2015</u>
7.1 Has Plant Variety Protection been applied for?	<u>Will apply</u>
7.2 If 7.1 is "Yes" or "Will apply", will the application specify that the variety is to be sold (Title V) by variety name only as a class of certified seed?	<u>No</u>
7.3 May the information on this application be provided to the U.S. Plant Variety Protection Office for use in its soybean database?	<u>No</u>
8. Do you want the acreage certified each year to be published by AOSCA and certifying agencies?	<u>No</u>

Date this application was submitted: Dec 17, 2014

Date recommended by VRB: Feb 11, 2015