



2012

Ontario Soybean Variety Trials

Data Collected 2010-2012

Conducted by the Ontario Oil and Protein Seed Crop Committee • www.GoSoy.ca

Research conducted and reported by:



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ONTARIO OIL & PROTEIN SEED CROP COMMITTEE (OOPSCC)

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Table 1. Soybean Variety Performance List and Descriptions

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | | Seed Supply | Distributor |
|------------------|--------|--------------------|--------------------|---------------|--------------|--------------|--------------|-------------|--------------------------|
| | | | | | | Root Rot % | Plant Loss** | | |
| Vito R2 | | RR2Y | 00.3 | GR | 5900 | 5* | | | Prograin |
| ANSER | | | 00.4 | IY | 4800 | na | | | SG Ceresco, Inc. |
| 004R21 | 1a | RR2Y | 00.5 | BL | 5700 | 6* | | | PRIDE Seeds |
| DH863 | F | | 00.5 | IY | 5500 | na | | | Sevita International |
| Gray R2 | | RR2Y | 00.5 | BL | 5800 | na | | | SeCan |
| Misty | F | | 00.5 | IY | 5400 | 5 | | | Sevita International |
| PRO 2525R2 | | RR2Y | 00.5 | BL | 5100 | 6* | | | PRO Seeds |
| Aquita | | | 00.6 | Y | 4500 | na | | | Synagri |
| Astro R2 | | RR2Y | 00.6 | BL | 5500 | na | | | Prograin |
| Bloomfield | F | | 00.6 | Y | 4900 | 9 | | | Mike Snobelen Farms Ltd. |
| Chadburn R2 | | RR2Y | 00.6 | BL | 5500 | 7* | | | SeCan |
| HS 006RYS24 | SCN | RR2Y | 00.6 | BL | 5300 | 4* | | | Hyland Seeds |
| HS 007RY32 | 1c | RR2Y | 00.7 | BL | 5000 | na | | | Hyland Seeds |
| Kipo R2 | | RR2Y | 00.7 | BL | 5400 | na | | | Prograin |
| NSC Osborne RR2Y | | RR2Y | 00.7 | BL | 5100 | na | | | Semican Inc. |
| Opus | | | 00.7 | IY | 5000 | 3* | | | Prograin |
| PS 0074 R2 | | RR2Y | 00.7 | BR | 6200 | na | | | PRIDE Seeds |
| S00-B7 | | RR2Y | 00.7 | BL | 5400 | na | | | Syngenta Canada, Inc. |
| Toma | | | 00.7 | IY | 5000 | 2 | | | Prograin |
| 900Y81 | 1c | RR | 00.8 | BR | 4900 | 5 | | | Pioneer Hi-Bred Ltd. |
| Kofu | | | 00.8 | Y | 5200 | na | | | Synagri |
| PS 0083 R2 | | RR2Y | 00.8 | BL | 5200 | 7* | | | PRIDE Seeds |
| Sampsa R2 | 1c | RR2Y | 00.8 | IBL | 5300 | 4* | | | Elite Seeds |
| 900M91 | F | | 00.9 | IY | 6200 | 4 | | | Pioneer Hi-Bred Ltd. |
| 90Y01 | 1k | RR | 00.9 | IY | 5300 | 4* | | | Pioneer Hi-Bred Ltd. |
| Jari | F | | 00.9 | IY | 5300 | 1 | | | Elite Seeds |
| PRO 2535R2 | 1k | RR2Y | 00.9 | BL | 4800 | 5* | | | PRO Seeds |
| Pekko R2 | | RR2Y | 000 | BL | 5700 | 6* | | | Elite Seeds |
| 24-10RY | 1c | RR2Y | 0.05 | BL | 5300 | 5* | | | DEKALB |
| 24-61RY | 1c | RR2Y | 0.07 | BL | 5300 | na | | | DEKALB |
| 25-10RY | 1c | RR2Y | 0.09 | BL | 5300 | 3 | | | DEKALB |
| Integral R2 | | RR2Y | 0.1 | BL | 6200 | na | | | SeCan |
| Narita | | | 0.1 | IY | 4400 | 6 | | | Prograin |
| NSC Jaden RR2Y | | RR2Y | 0.1 | BL | 5900 | 2 | | | Elite Seeds |
| OAC Madoc | F | | 0.1 | Y | 4800 | 4 | | | SeCan |
| RR2 Fusion | 3a | RR2Y | 0.1 | BL | 5500 | na | | | Maizex Seeds Inc. |
| S01-K8 | | RR2Y | 0.1 | BL | 5700 | 4* | | | Syngenta Canada, Inc. |
| 26-12RY | 1c, 3a | RR2Y | 0.2 | BF | 5600 | na | | | DEKALB |
| 90Y21 | 1k | RR | 0.2 | Y | 5100 | 3 | | | Pioneer Hi-Bred Ltd. |
| Kyoto | | | 0.2 | Y | 5000 | 5 | | | Synagri |

Table 1. Soybean Variety Performance List and Descriptions, continued...

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | | Seed Supply | Distributor |
|----------------|-------|--------------------|--------------------|---------------|--------------|--------------|--------------|-------------|--------------------------|
| | | | | | | Root Rot % | Plant Loss** | | |
| PS 0242 R2 | | RR2Y | 0.2 | BL | 5700 | 5 | | | PRIDE Seeds |
| R2T0221 | | RR2Y | 0.2 | BL | 6000 | 3* | | | Land O'Lakes, Inc. |
| Stealth R2 | SCN | RR2Y | 0.2 | GR | 5600 | na | | | SeCan |
| 90M30 | F | | 0.3 | IY | 5000 | 2 | | | Pioneer Hi-Bred Ltd. |
| Chikala | F | | 0.3 | Y | 10200 | 6 | | | Huron Commodities Inc. |
| Colt | 1k | RR2Y | 0.3 | BL | 5900 | 2 | | | SeCan or Elite Seeds |
| HS 03RY33 | | RR2Y | 0.3 | BL | 5100 | na | | | Hyland Seeds |
| PS 0314 R2 | | RR2Y | 0.3 | BL | 5800 | na | | | PRIDE Seeds |
| PS 0340 R2 | 1c | RR2Y | 0.3 | IBL | 5900 | 2 | | | PRIDE Seeds |
| RR2 Bronze | 1c | RR2Y | 0.3 | BL | 4900 | 8* | | | Maizex Seeds Inc. |
| S03-W4 | F 1c | | 0.3 | IY | 5000 | 1 | | | Syngenta Canada, Inc. |
| Theo R2 | | RR2Y | 0.3 | BL | 5400 | 6* | | | Prograin |
| 26-10RY | | RR2Y | 0.4 | GR | 5800 | 7 | | | DEKALB |
| 90M40 | 1k | RR | 0.4 | BL | 5500 | 1 | | | Pioneer Hi-Bred Ltd. |
| 90Y51 | 1k | RR | 0.4 | BR | 4900 | 2* | | | Pioneer Hi-Bred Ltd. |
| DH618 | F | | 0.4 | IY | 5200 | 4 | | | Sevita International |
| Kassidy | F | | 0.4 | IY | 5100 | 8 | | | Sevita International |
| Naya | 1c | | 0.4 | IY | 5100 | 3 | | | Prograin or Pride Seeds |
| PRO 2635R2 | 1k | RR2Y | 0.4 | BL | 5900 | 4 | | | PRO Seeds |
| Savanna | F | | 0.4 | IY | 5000 | 2 | | | Sevita International |
| 26-62RY | 1k | RR2Y | 0.5 | BL | 6100 | na | | | DEKALB |
| ADV Windfall | | | 0.5 | IY | 4600 | 8* | | | Bramhill Seeds |
| CF01GR | | RR2Y | 0.5 | BL | 5400 | 6 | | | Country Farm Seeds Ltd. |
| Etna | F | | 0.5 | IY | 5000 | 4 | | | Elite Seeds |
| Heather | F | | 0.5 | Y | 4500 | 3 | | | Mike Snobelen Farms Ltd. |
| HS 05RYS25 | SCN | RR2Y | 0.5 | BR | 5600 | 2* | | | Hyland Seeds |
| Krios | F | | 0.5 | IY | 5800 | 4 | | | Elite Seeds |
| Murano R2 | | RR2Y | 0.5 | BR | 5000 | 7 | | | Prograin |
| OAC Lakeview | F | | 0.5 | Y | 5000 | 5 | | | SeCan |
| OAC Wellington | F | | 0.5 | Y | 4800 | 3 | | | SeCan |
| R2T0510 | | RR2Y | 0.5 | BL | 5600 | 2 | | | Land O'Lakes, Inc. |
| S05-A7 | | RR2Y | 0.5 | BL | 4900 | 2* | | | Syngenta Canada, Inc. |
| S05-T6 | F 1c | | 0.5 | IY | 4700 | 3 | | | Syngenta Canada, Inc. |
| Saska | | | 0.5 | IY | 5500 | 4 | | | Prograin |

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

****Phytophthora % Plant Loss** na=less than 2 yrs of data available, * only 2 yrs of data available.

1a, 1c, etc. - Phytoph. resist. genes

F - Food Type

HP - High Protein

SCN - SCN Resistant

L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready

RR2Y - Roundup Ready 2 Yield

LL - Liberty Link

Seed Supply

LS - Limited Supply

NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions, continued...

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | | Seed Supply | Distributor |
|--------------|--------|--------------------|--------------------|---------------|--------------|--------------|--------------|-------------|----------------------------|
| | | | | | | Root Rot % | Plant Loss** | | |
| 27-10RY | 1k | RR2Y | 0.6 | IY | 5300 | 1 | | | DEKALB |
| Mirada RR | SCN | RR2Y | 0.6 | BR | 5500 | 5* | | | SeCan |
| PS 0650 R2 | 1k | RR2Y | 0.6 | BR | 4700 | 2 | | | PRIDE Seeds |
| S06-R9 | 3a | RR2Y | 0.6 | IBL | 5000 | 3* | | | Syngenta Canada, Inc. |
| S07-D2 | F 3a | | 0.6 | Y | 4500 | 2 | | | Syngenta Canada, Inc. |
| 90Y70 | 1k | RR | 0.7 | BR | 5200 | 4 | | | Pioneer Hi-Bred Ltd. |
| 90Y71 | 1c | RR | 0.7 | BL | 5300 | 3* | | | Pioneer Hi-Bred Ltd. |
| 90Y81 | SCN 1c | RR | 0.7 | BL | 5300 | 2* | | | Pioneer Hi-Bred Ltd. |
| CF11GR | 1k | RR2Y | 0.7 | BL | 5400 | 4 | | | Country Farm Seeds Ltd. |
| HDC 2701 | F HP | | 0.7 | IY | 4100 | 4 | | | Hensall District Co-op Inc |
| HDC Winthrop | F | | 0.7 | IY | 4400 | 4 | | | Hensall District Co-op Inc |
| HS 07RY27 | 1a | RR2Y | 0.7 | BL | 5400 | 2* | | | Hyland Seeds |
| Madison | | | 0.7 | BR | 5200 | 3 | | | Hyland Seeds |
| Mundo R2 | | RR2Y | 0.7 | BR | 5000 | 2 | | | Prograin |
| OAC Champion | F | | 0.7 | IY | 5000 | 3 | | | Sevita International |
| OAC Drayton | | | 0.7 | LBR | 5200 | 0* | | | Bramhill Seeds |
| OAC Sunny | F | | 0.7 | IY | 5500 | 8 | | | Sevita International |
| OAC Wallace | F | | 0.7 | BR | 5200 | 1 | | | SeCan |
| PRO 2625 R2 | | RR2Y | 0.7 | BL | 5100 | na | | | PRO Seeds |
| PRO 275 | F | | 0.7 | IY | 4900 | 1 | | | Sevita International |
| Proxy LL | | LL | 0.7 | BL | 5400 | na | | | Prograin |
| PS 0753 R2 | 3a | RR2Y | 0.7 | BR | 5600 | 3* | | | PRIDE Seeds |
| 27-60RY | 1c | RR2Y | 0.8 | BL | 5300 | 2 | | | DEKALB |
| CF12GR | | RR2Y | 0.8 | BL | 5000 | 5 | | | Country Farm Seeds Ltd. |
| Dares | F | | 0.8 | IY | 4900 | 0 | | | Elite Seeds |
| LS 008R21 | | RR2Y | 0.8 | BR | 5300 | 4 | | | PRO Seeds |
| Maxo R2 | | RR2Y | 0.8 | BR | 5000 | 8 | | | Prograin |
| Medea R2 | | RR2Y | 0.8 | BL | 5000 | 3* | | | Elite Seeds |
| Nitro R2 | | RR2Y | 0.8 | BL | 4900 | na | | | Prograin |
| PRO 2725R2 | | RR2Y | 0.8 | BL | 5300 | 13* | | | PRO Seeds |
| RR2 Cobalt | SCN | RR2Y | 0.8 | IBL | 5700 | 6 | | | Maizex Seeds Inc. |
| S05-B3 | 1k | RR2Y | 0.8 | BL | 5400 | 2 | | | Syngenta Canada, Inc. |
| S07-M8 | F 1c | | 0.8 | IY | 4600 | 2* | | | Syngenta Canada, Inc. |
| 5091RR2Y | 1c | RR2Y | 0.9 | BL | 5200 | na | | | Elite Seeds |
| 90Y90 | 1c | RR | 0.9 | BR | 5000 | 3 | | | Pioneer Hi-Bred Ltd. |
| Absolute RR | 1c | RR2Y | 0.9 | BL | 5300 | 4 | | | SeCan |
| Black Pearl | F | | 0.9 | BL | 4500 | 4* | | | Sevita International |
| Destiny | F | | 0.9 | IY | 4500 | 4 | | | Sevita International |
| DH405-2 | F | | 0.9 | Y | 4200 | 4 | | | Sevita International |
| DH5170 | F | | 0.9 | Y | 5400 | 5* | | | Sevita International |

Table 1. Soybean Variety Performance List and Descriptions, continued...

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | | Distributor |
|----------------|--------|--------------------|--------------------|---------------|--------------|--------------|-------------|--------------------------|
| | | | | | | Root Rot % | Seed Supply | |
| HAVANE | | | 0.9 | Y | 4500 | na | | SG Ceresco, Inc. |
| HS 09C02 | | | 0.9 | Y | 4800 | 3 | | Hyland Seeds |
| HS 09RYS12 | SCN | RR2Y | 0.9 | BL | 5800 | na | | Hyland Seeds |
| NSC Caribou R2 | | RR2Y | 0.9 | BL | 5900 | 6* | | Semican Inc. |
| OAC Belgrave | F | | 0.9 | BF | 5800 | 4 | | Mike Snobelen Farms Ltd. |
| OAC Blythe | F | | 0.9 | BL | 5600 | 5 | | Mike Snobelen Farms Ltd. |
| PRO 2835R2 | 1c | RR2Y | 0.9 | BL | 5600 | 4 | | PRO Seeds |
| R2T0980 | | RR2Y | 0.9 | BL | 5300 | 2 | | Land O'Lakes, Inc. |
| S09-L6 | F 3a | | 0.9 | Y | 4100 | 3 | | Syngenta Canada, Inc. |
| SR PICOR | F | | 0.9 | IY | 4600 | 4 | | SG Ceresco, Inc. |
| 28-12RY | 3a | RR2Y | 1.0 | BR | 5000 | 4* | | DEKALB |
| 5A090RR2 | | RR2Y | 1.0 | IBL | 5800 | 3 | | Mycogen Canada |
| 91M01 | 1k | RR | 1.0 | BR | 5300 | 3 | | Pioneer Hi-Bred Ltd. |
| 91Y01 | 1c | RR | 1.0 | BF | 4700 | 7* | | Pioneer Hi-Bred Ltd. |
| Acora | 1c | | 1.0 | IY | 4700 | 2 | | Prograin or Pride Seeds |
| CF30GR | SCN 1c | RR2Y | 1.0 | IBL | 5400 | 2 | | Country Farm Seeds Ltd. |
| Furio | F 1c | | 1.0 | IY | 4600 | 3 | | Woodrill Ltd. |
| S10-G7 | | RR2Y | 1.0 | BR | 4700 | 4 | | Syngenta Canada, Inc. |
| 28-60RY | SCN 1k | RR2Y | 1.1 | BL | 5000 | 2 | | DEKALB |
| 91M10 | | | 1.1 | Y | 4900 | 4* | | Pioneer Hi-Bred Ltd. |
| Bakara | F 1c | | 1.1 | IY | 3900 | 5 | | Prograin |
| Colby | | | 1.1 | Y | 4400 | 2 | | Hyland Seeds |
| EIDER | F | | 1.1 | Y | 5100 | 2 | | SG Ceresco, Inc. |
| HS 14RYS02 | SCN | RR2Y | 1.1 | IBL | 5100 | 2 | | Hyland Seeds |
| Kanata | | | 1.1 | IY | 4600 | 3 | | Prograin |
| PS 1162 R2 | 1c | RR2Y | 1.1 | BL | 5900 | 4 | | PRIDE Seeds |
| RR2 Platinum | 1c | RR2Y | 1.1 | IBL | 5100 | 10* | | Maizex Seeds Inc. |
| S12-L5 | 3a | RR2Y | 1.1 | IBL | 5100 | 2* | | Syngenta Canada, Inc. |
| Soido R2 | 1k | RR2Y | 1.1 | BL | 5200 | 2 | | Elite Seeds |
| CF31GR | SCN 1c | RR2Y | 1.2 | BL | 5400 | 3 | | Country Farm Seeds Ltd. |
| DH530 | F | | 1.2 | IY | 5000 | 5 | | Sevita International |
| OAC Ginty | F | | 1.2 | BR | 5100 | 4 | | SeCan |
| S12-A5 | 1c, 3a | | 1.2 | BR | 4600 | 3 | | Syngenta Canada, Inc. |
| 29-11RY | SCN 1c | RR2Y | 1.3 | IBL | 5700 | 1* | | DEKALB |

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

****Phytophthora % Plant Loss** na=less than 2 yrs of data available, * only 2 yrs of data available.

1a, 1c, etc. - Phytoph. resist. genes

F - Food Type
 HP - High Protein
 SCN - SCN Resistant
 L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready
 RR2Y - Roundup Ready 2 Yield
 LL - Liberty Link

Seed Supply

LS - Limited Supply
 NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions, continued...

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | | Seed Supply | Distributor |
|--------------|----------|--------------------|--------------------|---------------|--------------|--------------|--------------|-------------|----------------------------|
| | | | | | | Root Rot % | Plant Loss** | | |
| 5A130RR2 | | RR2Y | 1.3 | BL | 5800 | 6 | | | Mycogen Canada |
| DH748 | F | | 1.3 | IY | 4900 | 1 | | | Sevita International |
| Endurance R2 | 1k | RR2Y | 1.3 | IBL | 5800 | 7 | | | SeCan |
| HS 13C38 | | | 1.3 | Y | 4800 | 4 | | | Hyland Seeds |
| OAC Perth | F | | 1.3 | IY | 4900 | 3 | | | SeCan |
| PRO 2935R2C | SCN 1c | RR2Y | 1.3 | BL | 6000 | 5 | | | PRO Seeds |
| RR2 Titanium | SCN | RR2Y | 1.3 | BL | 5800 | 5 | | | Maizex Seeds Inc. |
| 5A145RR2 | SCN | RR2Y | 1.4 | BL | 5600 | na | | | Mycogen Canada |
| 91Y41 | SCN | RR | 1.4 | BR | 5400 | 4 | | | Pioneer Hi-Bred Ltd. |
| DH4173 | F | | 1.4 | Y | 4700 | 2 | | | Sevita International |
| HS 11RY07 | | RR2Y | 1.4 | BL | 5800 | 6 | | | Hyland Seeds |
| OAC Nation | F | | 1.4 | IY | 4800 | 2 | | | SeCan |
| R2T1449 | 1k | RR2Y | 1.4 | BL | 5500 | 2 | | | Land O'Lakes, Inc. |
| S14-L9 | F 1c,3a | | 1.4 | IY | 4600 | 0* | | | Syngenta Canada, Inc. |
| S14-M4 | SCN | RR2Y | 1.4 | BL | 5500 | 4 | | | Syngenta Canada, Inc. |
| Stargazer | F | | 1.4 | Y | 4000 | 4 | | | Sevita International |
| Z9-60RY | 1c | RR2Y | 1.5 | IBL | 5400 | 6 | | | DEKALB |
| HDC Goshen | F SCN | | 1.5 | Y | 4500 | 4 | | | Hensall District Co-op Inc |
| OAC Calypso | F | | 1.5 | IY | 5000 | 1 | | | Sevita International |
| PS 1563 R2 | 1a | RR2Y | 1.5 | BR | 5200 | 5* | | | PRIDE Seeds |
| S15-B4 | | RR2Y | 1.5 | BL | 5200 | 5 | | | Syngenta Canada, Inc. |
| S15-C2 | F SCN 1c | | 1.5 | BL | 4200 | 3 | | | Syngenta Canada, Inc. |
| 91Y61 | | RR | 1.6 | BR | 4900 | 3 | | | Pioneer Hi-Bred Ltd. |
| ADV Cadet | F | | 1.6 | Y | 4100 | 4* | | | Hensall District Co-op Inc |
| DH410SCN | F SCN | | 1.6 | Y | 5100 | 3 | | | Sevita International |
| DH4202 | F | | 1.6 | Y | 4800 | 2 | | | Sevita International |
| HDC 1600T | F | | 1.6 | Y | 4800 | 3 | | | Hensall District Co-op Inc |
| OAC Avatar | F | | 1.6 | Y | 4800 | 8 | | | SeCan |
| PS 1614 NR2 | SCN 1c | RR2Y | 1.6 | IBL | 5300 | na | | | PRIDE Seeds |
| PS 1670 NR2 | SCN 1k | RR2Y | 1.6 | BL | 5200 | 3 | | | PRIDE Seeds |
| 91Y81 | SCN 1c | RR | 1.7 | BR | 5200 | 1* | | | Pioneer Hi-Bred Ltd. |
| R2T1741 | 1c,3 | RR2Y | 1.7 | BR | 5600 | 7* | | | Land O'Lakes, Inc. |
| 30-11RY | SCN 1c | RR2Y | 1.8 | BL | 6900 | 4 | | | DEKALB |
| HC 1912N | F SCN | | 1.8 | Y | 5600 | 1 | | | Huron Commodities Inc. |
| HS 18RY09 | | RR2Y | 1.8 | IBL | 5500 | 3 | | | Hyland Seeds |
| HS 18RYS13 | SCN 1c | RR2Y | 1.8 | IBL | 5800 | 4 | | | Hyland Seeds |
| PRO 3025R2C | SCN 1k | RR2Y | 1.8 | BL | 5600 | 4 | | | PRO Seeds |
| RR2 Gold | SCN 1k | RR2Y | 1.8 | BL | 5200 | 4 | | | Maizex Seeds Inc. |
| S18-R6 | F SCN 1a | | 1.8 | Y | 4800 | 6 | | | Syngenta Canada, Inc. |
| Valiant RR | SCN | RR2Y | 1.8 | IBL | 5200 | 2 | | | SeCan |
| HDC Blake | F | | 1.9 | Y | 4200 | 3 | | | Hensall District Co-op Inc |

Table 1. Soybean Variety Performance List and Descriptions, continued...

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | | Seed Supply | Distributor |
|-----------------|------------|--------------------|--------------------|---------------|--------------|-------------------------|--|-------------|----------------------------|
| | | | | | | Root Rot % Plant Loss** | | | |
| HS 19RYS14 | SCN | RR2Y | 1.9 | BL | 5500 | 3 | | | Hyland Seeds |
| OAC Huron | F | | 1.9 | Y | 4100 | 4 | | | Huron Commodities Inc. |
| 30-61RY | SCN 1c | RR2Y | 2.0 | IBL | 6700 | 3* | | | DEKALB |
| 5201RR2Y | SCN 1c | RR2Y | 2.0 | IBL | 5800 | 4 | | | PRIDE Seeds |
| CF40GR | SCN 1k | RR2Y | 2.0 | IBL | 5600 | 3 | | | Country Farm Seeds Ltd. |
| CF41GR | SCN 1c, 1k | RR2Y | 2.0 | IBL | 5300 | 5 | | | Country Farm Seeds Ltd. |
| Mersea | F | | 2.0 | Y | 5100 | 4 | | | SeCan |
| PS 2014 NR2 | SCN 1c | RR2Y | 2.0 | IBL | 5800 | na | | | PRIDE Seeds |
| PS 2082 NR2 | SCN 1c | RR2Y | 2.0 | IBL | 5400 | 2 | | | PRIDE Seeds |
| S20-G7 | F 1c | | 2.0 | Y | 4700 | 4 | | | Syngenta Canada, Inc. |
| S20-Z9 | SCN | RR2Y | 2.0 | IBL | 6300 | 3 | | | Syngenta Canada, Inc. |
| Thames | F SCN | | 2.0 | Y | 5100 | 4 | | LS | Sevita International |
| 92M10 | 1c | | 2.1 | Y | 5800 | 1 | | | Pioneer Hi-Bred Ltd. |
| 92Y12 | 1k | RR | 2.1 | BL | 5700 | 3 | | | Pioneer Hi-Bred Ltd. |
| Aspen RR | SCN | RR2Y | 2.1 | BL | 6000 | 4* | | | SeCan |
| DH715L | F L-LA | | 2.1 | BF | 5500 | 5 | | | Sevita International |
| OAC Kent | F | | 2.1 | Y | 4900 | 3 | | | SeCan |
| S21-C3 | F SCN 1c | | 2.1 | Y | 5200 | 2* | | | Syngenta Canada, Inc. |
| 92Y22 | SCN 1k | RR | 2.2 | BR | 6700 | 3* | | | Pioneer Hi-Bred Ltd. |
| CF52GR | SCN 1k | RR2Y | 2.2 | IBL | 5900 | 3* | | | Country Farm Seeds Ltd. |
| HS 22RYS03 | SCN 1c | RR2Y | 2.2 | IBL | 5600 | 4 | | | Hyland Seeds |
| OAC Brooke | F | | 2.2 | Y | 4400 | 2 | | | SeCan |
| OAC Heritage | F | | 2.2 | Y | 5400 | 6 | | | SeCan |
| OAC Marvel | F SCN | | 2.2 | Y | 4600 | 5 | | | Huron Commodities Inc. |
| PRO 3215R2C | SCN 1k | RR2Y | 2.2 | IBL | 6400 | 5 | | | PRO Seeds |
| PS 2295 LL | SCN 1k | LL | 2.2 | BR | 5500 | 2 | | | PRIDE Seeds |
| X790P | F HP | | 2.2 | Y | 3900 | 3 | | | Hensall District Co-op Inc |
| 92Y30 | SCN 1k | RR | 2.3 | IBL | 6700 | 4 | | | Pioneer Hi-Bred Ltd. |
| 92Y32 | SCN 1c | RR | 2.3 | BL | 5800 | 3* | | | Pioneer Hi-Bred Ltd. |
| OAC Thamesville | F | | 2.3 | Y | 4900 | 2 | | | Southwest Seeds |
| PS 2314 NR2 | SCN 1c | RR2Y | 2.3 | IBL | 5900 | na | | | PRIDE Seeds |
| PS 2393 NR2 | SCN | RR2Y | 2.3 | IBL | 5700 | 4* | | | PRIDE Seeds |
| R2C 2351 | SCN 1c | RR | 2.3 | IBL | 6100 | na | | | Land O'Lakes, Inc. |
| RR2 Impact | SCN 1k | RR2Y | 2.3 | IBL | 5700 | 3* | | | Maizex Seeds Inc. |
| S23-T5 | F SCN 1c | | 2.3 | IY | 5600 | 4 | | | Syngenta Canada, Inc. |

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

****Phytophthora % Plant Loss** na=less than 2 yrs of data available, * only 2 yrs of data available.

1a, 1c, etc. - Phytoph. resist. genes

F - Food Type
 HP - High Protein
 SCN - SCN Resistant
 L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready
 RR2Y - Roundup Ready 2 Yield
 LL - Liberty Link

Seed Supply

LS - Limited Supply
 NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions, continued...

| Variety | Notes | Herbicide Reaction | Relative Maturity* | Hilium Colour | Seeds per Kg | Phytophthora | Seed Supply | Distributor |
|--------------|--------|--------------------|--------------------|---------------|--------------|-------------------------|-------------|-------------------------|
| | | | | | | Root Rot % Plant Loss** | | |
| SG 2311 | | | 2.3 | Y | 5000 | 1 | | Huron Commodities Inc. |
| 31-10RY | 1c | RR2Y | 2.4 | IBL | 6100 | 4 | | DEKALB |
| 31-11RY | SCN 1c | RR2Y | 2.4 | IBL | 6200 | 4 | | DEKALB |
| 31-60RY | SCN | RR2Y | 2.4 | BL | 5500 | 4 | | DEKALB |
| Dart RR | SCN | RR2Y | 2.4 | IBL | 6000 | 5 | | SeCan |
| HS 24RYS01 | SCN | RR2Y | 2.4 | IBL | 5600 | 3 | | Hyland Seeds |
| 5A255RR2 | SCN 1a | RR2Y | 2.5 | IBL | 5700 | 4* | | Mycogen Canada |
| 92Y53 | SCN 1k | RR | 2.5 | BR | 5700 | 2 | | Pioneer Hi-Bred Ltd. |
| 92Y55 | SCN 1k | RR | 2.5 | BL | 6200 | 3* | | Pioneer Hi-Bred Ltd. |
| AAC Malden | F SCN | | 2.5 | Y | 4500 | 2* | | SeCan |
| DF 155 | F | | 2.5 | Y | 4700 | 1 | | AGRIS Co-operative Ltd. |
| HS 25S89 | SCN | | 2.5 | BR | 5100 | 5 | | Hyland Seeds |
| 32-11RY | SCN 1c | RR2Y | 2.6 | IBL | 5200 | 5* | | DEKALB |
| CF61GR | SCN 1k | RR2Y | 2.6 | BF | 5200 | 4 | | Country Farm Seeds Ltd. |
| Charger RR | SCN 1c | RR2Y | 2.6 | BL | 6000 | 5 | | SeCan |
| HS 26RYS16 | SCN 1c | RR2Y | 2.6 | IBL | 6000 | 6 | | Hyland Seeds |
| RR2 Gravity | SCN 1c | RR2Y | 2.6 | IBL | 5300 | 4 | | Maizex Seeds Inc. |
| S25-W4 | SCN | RR2Y | 2.6 | BL | 5700 | 3 | | Syngenta Canada, Inc. |
| 92Y74 | SCN 1k | RR | 2.7 | IBL | 6000 | 5 | | Pioneer Hi-Bred Ltd. |
| CF60GR | SCN 1k | RR2Y | 2.7 | IBL | 5500 | 4 | | Country Farm Seeds Ltd. |
| PS 2797 NR2 | SCN 1k | RR2Y | 2.7 | IBL | 5900 | 2 | | PRIDE Seeds |
| S27-T3 | SCN 1c | RR2Y | 2.7 | BL | 5700 | na | | Syngenta Canada, Inc. |
| Thesan R2 | SCN | RR2Y | 2.7 | BF | 5600 | 3* | | Elite Seeds |
| 32-61RY | SCN 1c | RR2Y | 2.8 | IBL | 6300 | 2 | | DEKALB |
| 92Y83 | SCN 1k | RR | 2.8 | BL | 6000 | 4* | | Pioneer Hi-Bred Ltd. |
| HS 28RYS28 | SCN 1c | RR2Y | 2.8 | IBL | 6200 | 5* | | Hyland Seeds |
| PS 2834 NLL | SCN | LL | 2.8 | IBL | 5700 | na | | PRIDE Seeds |
| R2C 2861 | | RR2Y | 2.8 | IBL | 5500 | 4* | | Land O'Lakes, Inc. |
| RR2 Dynamite | SCN 1k | RR2Y | 2.8 | IBL | 5500 | 6* | | Maizex Seeds Inc. |
| S30-E9 | SCN 1c | RR2Y | 2.9 | BR | 5600 | 1* | | Syngenta Canada, Inc. |
| 93Y05 | SCN 1k | RR | 3.0 | BL | 5700 | 3 | | Pioneer Hi-Bred Ltd. |
| 93Y22 | SCN 1c | RR | 3.1 | BR | 6100 | 3 | | Pioneer Hi-Bred Ltd. |
| Hino R2 | SCN | RR2Y | 3.1 | IBL | 6600 | 4* | | Elite Seeds |
| Monaco RR | SCN | RR2Y | 3.1 | BR | 6000 | 5* | | SeCan |
| S31-L7 | SCN 1c | RR2Y | 3.1 | IBL | 6700 | 6 | | Syngenta Canada, Inc. |

NOTES:

*Relative Maturity - ranking of maturity provided by seed sponsors.

**Phytophthora % Plant Loss na=less than 2 yrs of data available, * only 2 yrs of data available.

1a, 1c, etc. - Phytoph. resist. genes

F - Food Type
 HP - High Protein
 SCN - SCN Resistant
 L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready
 RR2Y - Roundup Ready 2 Yield
 LL - Liberty Link

Seed Supply

LS - Limited Supply
 NA - Not Available

TABLE 2.1 AGRONOMIC DATA AT MATURITY GROUP 00 (2300-2500 HU) AREAS , RR TEST

| Variety | Days to Mature | AVERAGE Yield Index | | | DUNDALK Yield Index | | ELORA Yield Index | | LISTOWEL Yield Index | | OTTAWA Yield Index | RENFREW Yield Index | | WINCHESTER Yield Index | Plant Height (cm) | Lodging 1=standing 5=flat |
|----------------------|----------------|---------------------|--------|-------------|---------------------|--------|-------------------|-------------|----------------------|-------------|--------------------|---------------------|--------|------------------------|-------------------|---------------------------|
| | | 1 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | 1 year | 1 year | 2 year | 1 year | | |
| Pekko R2 | 101 | 87 | 97 | -- | 134 | -- | 92 | -- | 95 | -- | 80 | 104 | -- | 88 | 67 | 1.3 |
| Chadburn R2 | 103 | 86 | 90 | -- | 80 | -- | 90 | -- | 90 | -- | 80 | 103 | -- | 91 | 66 | 1.2 |
| Vito R2 | 105 | 91 | 90 | -- | 76 | -- | 94 | -- | 90 | -- | 86 | 89 | -- | 90 | 76 | 1.5 |
| Sampsa R2 | 105 | 100 | 102 | -- | 113 | -- | 94 | -- | 103 | -- | 131 | 95 | -- | 92 | 65 | 1.5 |
| 004R21 | 105 | 93 | 94 | -- | 90 | -- | 80 | -- | 99 | -- | 85 | 103 | -- | 104 | 67 | 1.1 |
| 24-10RY | 106 | 90 | 98 | -- | 106 | -- | 94 | -- | 99 | -- | 86 | 103 | -- | 96 | 64 | 1.5 |
| HS 006RYS24 | 107 | 101 | 102 | -- | 101 | -- | 99 | -- | 99 | -- | 114 | 107 | -- | 97 | 74 | 1.6 |
| PRO 2525R2 | 108 | 99 | 101 | -- | 103 | -- | 102 | -- | 100 | -- | 94 | 93 | -- | 102 | 77 | 1.3 |
| PS 0083 R2 | 109 | 91 | 95 | -- | 98 | -- | 102 | -- | 91 | -- | 86 | 101 | -- | 88 | 73 | 1.4 |
| 90Y01 | 109 | 99 | 104 | -- | 126 | -- | 107 | -- | 103 | -- | 102 | 97 | -- | 91 | 74 | 1.5 |
| 25-10RY | 110 | 107 | 105 | 100 | 81 | 100 | 110 | 103 | 108 | 100 | 103 | 97 | 97 | 104 | 74 | 1.3 |
| S01-K8 | 110 | 99 | 101 | -- | 94 | -- | 102 | -- | 104 | -- | 99 | 97 | -- | 94 | 67 | 1.3 |
| LS 008R21 | 111 | 109 | 111 | 104 | 111 | 104 | 117 | 106 | 103 | 99 | 118 | 111 | 107 | 109 | 75 | 1.4 |
| 900Y81 | 111 | 93 | 96 | 94 | 84 | 93 | 88 | 88 | 105 | 99 | 95 | 107 | 103 | 92 | 69 | 1.2 |
| NSC Jaden RR2Y | 111 | 110 | 107 | 101 | 90 | 103 | 113 | 103 | 107 | 102 | 107 | 98 | 94 | 104 | 80 | 1.4 |
| PRO 2535R2 | 113 | 109 | 108 | -- | 114 | -- | 116 | -- | 104 | -- | 116 | 95 | -- | 101 | 84 | 1.6 |
| DTM (1yr) | | | | | | | | | | | | | | | | |
| Gray R2 | 105 | 89 | -- | -- | -- | -- | -- | -- | -- | -- | 98 | -- | -- | 91 | -- | -- |
| HS 007RY32 | 105 | 94 | -- | -- | -- | -- | -- | -- | -- | -- | 96 | -- | -- | 93 | -- | -- |
| 24-61RY | 106 | 98 | -- | -- | -- | -- | -- | -- | -- | -- | 82 | -- | -- | 104 | -- | -- |
| S00-B7 | 108 | 89 | -- | -- | -- | -- | -- | -- | -- | -- | 94 | -- | -- | 93 | -- | -- |
| PS 0074 R2 | 111 | 107 | -- | -- | -- | -- | -- | -- | -- | -- | 119 | -- | -- | 102 | -- | -- |
| Astro R2 | 111 | 110 | -- | -- | -- | -- | -- | -- | -- | -- | 100 | -- | -- | 114 | -- | -- |
| Kipo R2 | 112 | 104 | -- | -- | -- | -- | -- | -- | -- | -- | 103 | -- | -- | 110 | -- | -- |
| HS 03RY33 | 113 | 120 | -- | -- | -- | -- | -- | -- | -- | -- | 109 | -- | -- | 119 | -- | -- |
| Theo R2 | 113 | 107 | -- | -- | -- | -- | -- | -- | -- | -- | 103 | -- | -- | 112 | -- | -- |
| Murano R2 | 116 | 116 | -- | -- | -- | -- | -- | -- | -- | -- | 114 | -- | -- | 120 | -- | -- |
| Average yield (T/ha) | | 3.08 | 2.83 | 3.18 | 1.90 | 2.48 | 2.92 | 3.20 | 3.81 | 4.14 | 1.87 | 1.77 | 2.66 | 3.82 | | |
| (bu/ac) | | 45.7 | 42.0 | 47.2 | 28.2 | 36.8 | 43.3 | 47.5 | 56.5 | 61.4 | 27.7 | 26.2 | 39.4 | 56.7 | | |

| Testing Locations: Table 2 | | | |
|----------------------------|------|------|------|
| Dundalk | 2010 | 2011 | -- |
| Elora | 2010 | 2011 | 2012 |
| Listowel | 2010 | 2011 | 2012 |
| Ottawa | -- | -- | 2012 |
| Renfrew | 2010 | 2011 | -- |
| Winchester | -- | -- | 2012 |

TABLE 3.1 AGRONOMIC DATA AT MATURITY GROUP 0 (2500-2800 HU) AREAS , RR TEST

| Variety | Days to Mature | AVERAGE Yield Index | | | BRUSSELS Yield Index | | ELORA Yield Index | | LISTOWEL Yield Index | OTTAWA Yield Index | | WINCHESTER Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat |
|----------------------|----------------|---------------------|--------|--------|----------------------|--------|-------------------|--------|----------------------|--------------------|--------|------------------------|--------|-------------------|---------------------------|
| | | 1 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | | 2 year | 3 year | 2 year | 3 year | | |
| PS 0242 R2 | 109 | 91 | 92 | 93 | 96 | 99 | 94 | 94 | 95 | 87 | 89 | 90 | 91 | 66 | 1.0 |
| R2T0221 | 109 | 102 | 98 | -- | 93 | -- | 96 | -- | 102 | 101 | -- | 99 | -- | 70 | 1.1 |
| 25-10RY | 110 | 95 | 93 | 93 | 94 | 97 | 97 | 96 | 99 | 92 | 91 | 88 | 90 | 72 | 1.0 |
| Colt | 110 | 98 | 96 | 96 | 93 | 92 | 101 | 101 | 98 | 95 | 95 | 93 | 95 | 69 | 1.1 |
| PS 0340 R2 | 110 | 93 | 93 | 93 | 92 | 92 | 84 | 86 | 98 | 91 | 91 | 100 | 99 | 63 | 1.0 |
| 90Y21 | 111 | 84 | 85 | 86 | 91 | 93 | 80 | 82 | 89 | 87 | 86 | 84 | 84 | 56 | 1.0 |
| Murano R2 | 111 | 90 | 94 | 95 | 99 | 101 | 94 | 97 | 90 | 91 | 92 | 94 | 95 | 62 | 1.0 |
| PRO 2635R2 | 111 | 103 | 101 | 98 | 97 | 98 | 110 | 105 | 95 | 107 | 107 | 94 | 89 | 76 | 1.0 |
| PRO 2535R2 | 111 | 101 | 98 | -- | 97 | -- | 108 | -- | 112 | 94 | -- | 90 | -- | 80 | 1.2 |
| S06-R9 | 112 | 92 | 95 | -- | 99 | -- | 100 | -- | 92 | 89 | -- | 96 | -- | 65 | 1.0 |
| 90M40 | 112 | 93 | 92 | 90 | 95 | 93 | 95 | 93 | 93 | 100 | 92 | 85 | 82 | 70 | 1.0 |
| Theo R2 | 112 | 100 | 99 | -- | 97 | -- | 94 | -- | 93 | 102 | -- | 105 | -- | 73 | 1.0 |
| CF11GR | 112 | 103 | 103 | 102 | 104 | 99 | 100 | 102 | 93 | 103 | 100 | 108 | 108 | 73 | 1.0 |
| CF01GR | 113 | 101 | 101 | 100 | 96 | 95 | 102 | 102 | 106 | 98 | 100 | 103 | 100 | 66 | 1.0 |
| HS 05RYS25 | 113 | 103 | 104 | -- | 100 | -- | 99 | -- | 95 | 111 | -- | 110 | -- | 67 | 1.0 |
| S05-A7 | 113 | 97 | 99 | -- | 100 | -- | 99 | -- | 87 | 105 | -- | 100 | -- | 68 | 1.1 |
| PRO 2725R2 | 113 | 106 | 102 | -- | 95 | -- | 107 | -- | 95 | 98 | -- | 109 | -- | 69 | 1.0 |
| 90Y70 | 113 | 96 | 99 | 100 | 105 | 104 | 86 | 91 | 108 | 100 | 102 | 102 | 101 | 62 | 1.0 |
| PS 0753 R2 | 114 | 99 | 102 | -- | 105 | -- | 107 | -- | 87 | 94 | -- | 108 | -- | 66 | 1.0 |
| 26-10RY | 114 | 108 | 107 | 104 | 101 | 103 | 107 | 106 | 130 | 102 | 99 | 106 | 102 | 65 | 1.0 |
| R2T0510 | 114 | 101 | 101 | 100 | 103 | 101 | 100 | 101 | 98 | 101 | 100 | 103 | 100 | 70 | 1.0 |
| 90Y81 | 114 | 95 | 95 | -- | 97 | -- | 94 | -- | 104 | 92 | -- | 93 | -- | 66 | 1.0 |
| 27-60RY | 114 | 115 | 111 | 107 | 107 | 98 | 110 | 109 | 130 | 107 | 104 | 111 | 109 | 80 | 1.1 |
| 90Y51 | 114 | 85 | 89 | -- | 98 | -- | 78 | -- | 90 | 94 | -- | 89 | -- | 62 | 1.0 |
| CF12GR | 114 | 110 | 107 | 106 | 104 | 104 | 106 | 102 | 100 | 118 | 115 | 108 | 105 | 75 | 1.0 |
| HS 07RY27 | 114 | 106 | 102 | -- | 101 | -- | 112 | -- | 99 | 103 | -- | 96 | -- | 71 | 1.0 |
| PS 0650 R2 | 115 | 92 | 98 | 102 | 102 | 101 | 103 | 105 | 91 | 94 | 99 | 95 | 106 | 60 | 1.0 |
| 90Y71 | 115 | 96 | 98 | -- | 103 | -- | 95 | -- | 108 | 93 | -- | 99 | -- | 70 | 1.0 |
| RR2 Bronze | 115 | 102 | 105 | -- | 105 | -- | 104 | -- | 108 | 111 | -- | 101 | -- | 73 | 1.0 |
| 90Y90 | 115 | 105 | 105 | 104 | 101 | 103 | 106 | 105 | 103 | 107 | 104 | 107 | 105 | 70 | 1.0 |
| Mundo R2 | 115 | 106 | 108 | 109 | 110 | 111 | 103 | 102 | 106 | 103 | 104 | 116 | 118 | 66 | 1.0 |
| S05-B3 | 115 | 111 | 104 | 102 | 100 | 99 | 108 | 102 | 117 | 107 | 104 | 97 | 98 | 72 | 1.0 |
| 5A090RR2 | 116 | 106 | 104 | 103 | 103 | 102 | 107 | 107 | 108 | 101 | 101 | 103 | 102 | 73 | 1.2 |
| R2T0980 | 116 | 107 | 105 | 102 | 101 | 100 | 107 | 107 | 112 | 104 | 102 | 103 | 100 | 80 | 1.1 |
| RR2 Cobalt | 116 | 105 | 102 | 101 | 106 | 106 | 99 | 98 | 109 | 98 | 100 | 102 | 99 | 67 | 1.0 |
| Absolute RR | 117 | 112 | 110 | 109 | 103 | 102 | 105 | 105 | 113 | 122 | 116 | 109 | 111 | 72 | 1.0 |
| 27-10RY | 117 | 102 | 105 | 107 | 110 | 108 | 107 | 104 | 95 | 99 | 108 | 108 | 113 | 68 | 1.0 |
| DTM (1yr) | | | | | | | | | | | | | | | |
| Samps R2 | 108 | 86 | -- | -- | -- | -- | -- | -- | 90 | -- | -- | -- | -- | -- | -- |
| Integral R2 | 110 | 92 | -- | -- | -- | -- | -- | -- | 91 | -- | -- | -- | -- | -- | -- |
| RR2 Fusion | 111 | 91 | -- | -- | -- | -- | -- | -- | 89 | -- | -- | -- | -- | -- | -- |
| 26-12RY | 111 | 95 | -- | -- | -- | -- | -- | -- | 101 | -- | -- | -- | -- | -- | -- |
| NSC Osborne RR2Y | 111 | 95 | -- | -- | -- | -- | -- | -- | 87 | -- | -- | -- | -- | -- | -- |
| Stealth R2 | 112 | 103 | -- | -- | -- | -- | -- | -- | 101 | -- | -- | -- | -- | -- | -- |
| Kipo R2 | 112 | 88 | -- | -- | -- | -- | -- | -- | 84 | -- | -- | -- | -- | -- | -- |
| Astro R2 | 112 | 98 | -- | -- | -- | -- | -- | -- | 95 | -- | -- | -- | -- | -- | -- |
| HS 03RY33 | 113 | 106 | -- | -- | -- | -- | -- | -- | 106 | -- | -- | -- | -- | -- | -- |
| LS 008R21 | 113 | 99 | -- | -- | -- | -- | -- | -- | 95 | -- | -- | -- | -- | -- | -- |
| NSC Jaden RR2Y | 113 | 95 | -- | -- | -- | -- | -- | -- | 91 | -- | -- | -- | -- | -- | -- |
| PS 0314 R2 | 113 | 92 | -- | -- | -- | -- | -- | -- | 98 | -- | -- | -- | -- | -- | -- |
| 26-62RY | 114 | 102 | -- | -- | -- | -- | -- | -- | 90 | -- | -- | -- | -- | -- | -- |
| 5091RR2Y | 115 | 112 | -- | -- | -- | -- | -- | -- | 108 | -- | -- | -- | -- | -- | -- |
| Mirada RR | 115 | 105 | -- | -- | -- | -- | -- | -- | 115 | -- | -- | -- | -- | -- | -- |
| Nitro R2 | 116 | 105 | -- | -- | -- | -- | -- | -- | 105 | -- | -- | -- | -- | -- | -- |
| PRO 2625 R2 | 116 | 110 | -- | -- | -- | -- | -- | -- | 103 | -- | -- | -- | -- | -- | -- |
| HS 09RYS12 | 118 | 112 | -- | -- | -- | -- | -- | -- | 103 | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | 3.04 | 3.49 | 3.75 | 4.55 | 4.52 | 3.19 | 3.36 | 3.21 | 2.69 | 3.13 | 4.16 | 4.37 | | |
| (bu/ac) | | 45.2 | 51.7 | 55.6 | 67.5 | 67.0 | 47.3 | 49.8 | 47.6 | 40.0 | 46.5 | 61.7 | 64.8 | | |

TABLE 3.2 AGRONOMIC DATA AT MATURITY GROUP 0 (2500-2800 HU) AREAS , CONV/FOOD TEST

| Variety | Days to Mature | AVERAGE Yield Index | | | BRUSSELS Yield Index | | ELORA Yield Index | | LISTOWEL Yield Index | OTTAWA Yield Index | | WINCHESTER Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat | |
|-----------------------|----------------|---------------------|--------|-------------|----------------------|--------|-------------------|-------------|----------------------|--------------------|-------------|------------------------|-------------|-------------------|---------------------------|-----|
| | | 1 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | 1 year | 2 year | 3 year | 2 year | 3 year | | | |
| Bloomfield | F | 104 | 77 | 78 | -- | 84 | -- | 73 | -- | 88 | 77 | -- | 77 | -- | 71 | 1.7 |
| Chikala | F | 105 | 83 | 84 | 82 | 90 | 87 | 82 | 80 | 93 | 72 | 77 | 86 | 81 | 73 | 1.3 |
| Misty | F | 105 | 93 | 95 | -- | 97 | -- | 93 | -- | 95 | 96 | -- | 97 | -- | 74 | 1.0 |
| Jari | F | 105 | 91 | 91 | -- | 90 | -- | 96 | -- | 89 | 85 | -- | 94 | -- | 77 | 1.1 |
| Opus | | 106 | 84 | 87 | -- | 93 | -- | 89 | -- | 72 | 89 | -- | 87 | -- | 76 | 1.2 |
| Toma | | 106 | 92 | 91 | -- | 88 | -- | 86 | -- | 92 | 96 | -- | 91 | -- | 67 | 1.0 |
| 900M91 | F | 107 | 96 | 97 | -- | 101 | -- | 100 | -- | 95 | 94 | -- | 96 | -- | 72 | 1.5 |
| Savanna | F | 108 | 98 | 96 | 98 | 96 | 98 | 92 | 93 | 102 | 97 | 98 | 97 | 102 | 72 | 1.1 |
| Krios | F | 109 | 105 | 96 | 94 | 88 | 89 | 108 | 101 | 109 | 95 | 92 | 87 | 89 | 80 | 1.1 |
| 90M30 | F | 109 | 99 | 98 | 99 | 95 | 96 | 102 | 100 | 98 | 97 | 98 | 99 | 102 | 71 | 1.0 |
| OAC Madoc | F | 109 | 101 | 101 | 101 | 97 | 100 | 98 | 100 | 108 | 101 | 102 | 103 | 101 | 71 | 1.1 |
| S03-W4 | F | 109 | 102 | 102 | 100 | 103 | 101 | 105 | 101 | 95 | 97 | 99 | 105 | 103 | 78 | 1.0 |
| Kassidy | F | 109 | 100 | 97 | 96 | 102 | 98 | 95 | 96 | 98 | 97 | 99 | 94 | 94 | 79 | 1.3 |
| DH618 | F | 110 | 106 | 104 | 103 | 97 | 99 | 98 | 100 | 113 | 105 | 103 | 107 | 104 | 76 | 1.0 |
| OAC Lakeview | F | 110 | 106 | 105 | 102 | 103 | 103 | 103 | 102 | 99 | 109 | 103 | 109 | 101 | 76 | 1.5 |
| Narita | | 110 | 99 | 98 | 98 | 95 | 98 | 100 | 101 | 91 | 103 | 98 | 98 | 99 | 75 | 1.1 |
| S05-T6 | F | 111 | 111 | 109 | 107 | 112 | 107 | 112 | 108 | 112 | 108 | 107 | 106 | 106 | 81 | 1.0 |
| Naya | | 111 | 99 | 99 | 100 | 99 | 100 | 95 | 96 | 104 | 107 | 110 | 94 | 97 | 64 | 1.0 |
| HDC 2701 | F | 111 | 93 | 92 | 90 | 94 | 94 | 102 | 98 | 93 | 84 | 81 | 88 | 86 | 77 | 1.0 |
| S07-D2 | F | 111 | 104 | 103 | 100 | 101 | 97 | 105 | 103 | 101 | 102 | 97 | 106 | 103 | 81 | 1.3 |
| Etna | F | 111 | 103 | 101 | 99 | 98 | 97 | 96 | 95 | 103 | 101 | 103 | 105 | 101 | 71 | 1.0 |
| Kyoto | | 111 | 102 | 102 | 104 | 97 | 100 | 99 | 103 | 103 | 104 | 104 | 106 | 109 | 70 | 1.0 |
| OAC Wellington | F | 111 | 103 | 99 | 96 | 95 | 94 | 102 | 104 | 103 | 100 | 92 | 98 | 92 | 83 | 1.9 |
| OAC Champion | F | 111 | 104 | 101 | 100 | 101 | 101 | 102 | 104 | 87 | 105 | 98 | 102 | 101 | 84 | 1.3 |
| Saska | | 111 | 102 | 102 | 102 | 105 | 106 | 96 | 100 | 104 | 104 | 100 | 104 | 104 | 72 | 1.0 |
| Heather | F | 112 | 94 | 94 | 90 | 93 | 88 | 99 | 93 | 84 | 93 | 90 | 96 | 91 | 68 | 1.2 |
| OAC Belgrave | F | 113 | 114 | 109 | 106 | 107 | 104 | 103 | 103 | 115 | 112 | 109 | 111 | 106 | 82 | 1.4 |
| Furio | F | 113 | 103 | 104 | 101 | 102 | 98 | 105 | 101 | 87 | 102 | 101 | 111 | 106 | 80 | 1.0 |
| PRO 275 | F | 114 | 113 | 109 | 107 | 109 | 108 | 111 | 106 | 114 | 109 | 109 | 106 | 104 | 74 | 1.1 |
| S07-M8 | F | 114 | 114 | 109 | -- | 105 | -- | 113 | -- | 101 | 109 | -- | 111 | -- | 77 | 1.0 |
| Madison | | 114 | 111 | 110 | 108 | 115 | 111 | 110 | 106 | 109 | 112 | 112 | 106 | 104 | 77 | 1.6 |
| OAC Blythe | F | 114 | 109 | 104 | 101 | 106 | 101 | 100 | 99 | 120 | 105 | 100 | 99 | 101 | 78 | 1.7 |
| OAC Wallace | F | 114 | 115 | 112 | 110 | 112 | 109 | 110 | 106 | 111 | 120 | 116 | 109 | 109 | 81 | 1.1 |
| OAC Nation | F | 114 | 107 | 107 | 103 | 105 | 102 | 106 | 101 | 111 | 104 | 100 | 109 | 105 | 84 | 1.2 |
| Dares | F | 115 | 105 | 103 | 99 | 104 | 100 | 110 | 104 | 106 | 100 | 98 | 98 | 91 | 87 | 1.1 |
| OAC Sunny | F | 115 | 102 | 103 | 102 | 110 | 107 | 104 | 100 | 101 | 101 | 102 | 103 | 101 | 80 | 1.0 |
| HS 09C02 | | 115 | 108 | 107 | 105 | 106 | 105 | 103 | 101 | 112 | 110 | 107 | 107 | 104 | 73 | 1.3 |
| SR PICOR | F | 116 | 105 | 99 | 99 | 103 | 101 | 96 | 95 | 103 | 96 | 97 | 100 | 101 | 76 | 1.1 |
| DTM (1yr) | | | | | | | | | | | | | | | | |
| ANSER | | 103 | 73 | -- | -- | -- | -- | -- | -- | 80 | -- | -- | -- | -- | -- | -- |
| DH863 | F | 104 | 84 | -- | -- | -- | -- | -- | -- | 97 | -- | -- | -- | -- | -- | -- |
| Aquita | | 104 | 72 | -- | -- | -- | -- | -- | -- | 72 | -- | -- | -- | -- | -- | -- |
| ADV Windfall | | 108 | 101 | -- | -- | -- | -- | -- | -- | 102 | -- | -- | -- | -- | -- | -- |
| Kofu | | 109 | 100 | -- | -- | -- | -- | -- | -- | 104 | -- | -- | -- | -- | -- | -- |
| HDC Winthrop | F | 111 | 105 | -- | -- | -- | -- | -- | -- | 103 | -- | -- | -- | -- | -- | -- |
| OAC Drayton | | 113 | 114 | -- | -- | -- | -- | -- | -- | 120 | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | 3.06 | 3.47 | 3.70 | 4.13 | 4.19 | 3.46 | 3.52 | 3.20 | 2.96 | 3.32 | 3.80 | 4.05 | | | |
| Average yield (bu/ac) | | 45.5 | 51.5 | 54.8 | 61.2 | 62.2 | 51.3 | 52.2 | 47.4 | 44.0 | 49.3 | 56.4 | 60.1 | | | |

Notes: F = Food type soybean

| Testing Locations: Table 3 | | | |
|----------------------------|------|------|------|
| Brussels | 2010 | 2011 | -- |
| Elora | 2010 | 2011 | 2012 |
| Listowel | -- | -- | 2012 |
| Ottawa | 2010 | 2011 | 2012 |
| Winchester | 2010 | 2011 | 2012 |

TABLE 4.1 AGRONOMIC DATA AT MATURITY GROUP 1 (2700-2900 HU) AREAS , RR TEST

| Variety | Days to Mature | AVERAGE Yield Index | | | EXETER Yield Index | | ST. PAULS Yield Index | | WINCHESTER Yield Index | | WOODSTOCK Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat |
|----------------------|----------------|---------------------|--------|-------------|--------------------|-------------|-----------------------|-------------|------------------------|-------------|-----------------------|-------------|-------------------|---------------------------------|
| | | 1 year | 2 year | 3 year | 2 year | 3 year | 2 year | 3 year | 2 year | 3 year | 2 year | 3 year | | |
| 91M01 | 114 | 98 | 94 | 92 | 93 | 91 | 101 | 98 | 91 | 87 | 92 | 92 | 78 | 1.3 |
| Mirada RR | 114 | 98 | 98 | -- | 104 | -- | 99 | -- | 92 | -- | 100 | -- | 73 | 1.0 |
| CF12GR | 115 | 101 | 99 | 99 | 98 | 97 | 100 | 99 | 101 | 102 | 98 | 98 | 84 | 1.4 |
| Medea R2 | 115 | 102 | 98 | -- | 101 | -- | 98 | -- | 94 | -- | 98 | -- | 81 | 1.3 |
| 28-12RY | 116 | 94 | 99 | -- | 95 | -- | 98 | -- | 100 | -- | 103 | -- | 77 | 1.0 |
| R2T0980 | 116 | 97 | 93 | -- | 97 | -- | 96 | -- | 86 | -- | 94 | -- | 86 | 1.3 |
| S10-G7 | 116 | 97 | 95 | 95 | 97 | 99 | 93 | 95 | 94 | 93 | 96 | 94 | 80 | 1.5 |
| 27-60RY | 116 | 102 | 100 | 99 | 95 | 94 | 103 | 100 | 102 | 100 | 101 | 101 | 85 | 1.1 |
| Endurance R2 | 116 | 100 | 100 | 99 | 101 | 102 | 101 | 98 | 99 | 95 | 100 | 101 | 83 | 1.2 |
| 91Y01 | 116 | 100 | 99 | -- | 99 | -- | 102 | -- | 90 | -- | 106 | -- | 77 | 1.1 |
| RR2 Platinum | 117 | 100 | 97 | -- | 98 | -- | 105 | -- | 95 | -- | 87 | -- | 83 | 1.2 |
| 91Y41 | 117 | 96 | 95 | 95 | 96 | 94 | 97 | 97 | 97 | 97 | 91 | 93 | 82 | 1.3 |
| NSC Caribou R2 | 117 | 98 | 97 | -- | 96 | -- | 99 | -- | 95 | -- | 97 | -- | 80 | 1.0 |
| HS 14RYS02 | 117 | 99 | 101 | 101 | 97 | 100 | 107 | 106 | 100 | 98 | 99 | 102 | 78 | 1.0 |
| Valiant RR | 117 | 98 | 101 | -- | 101 | -- | 103 | -- | 101 | -- | 97 | -- | 77 | 1.0 |
| Absolute RR | 117 | 100 | 102 | 102 | 103 | 103 | 99 | 101 | 105 | 103 | 101 | 102 | 80 | 1.1 |
| S12-L5 | 117 | 108 | 104 | -- | 100 | -- | 103 | -- | 106 | -- | 107 | -- | 82 | 1.0 |
| R2T1449 | 117 | 98 | 100 | 101 | 101 | 100 | 97 | 101 | 102 | 102 | 100 | 99 | 81 | 1.1 |
| PS 1162 R2 | 117 | 99 | 100 | 99 | 101 | 101 | 99 | 97 | 99 | 102 | 100 | 97 | 82 | 1.0 |
| RR2 Cobalt | 117 | 90 | 93 | -- | 100 | -- | 92 | -- | 93 | -- | 85 | -- | 74 | 1.1 |
| PRO 2935R2C | 118 | 104 | 103 | 100 | 106 | 101 | 98 | 100 | 105 | 99 | 104 | 99 | 84 | 1.3 |
| Maxo R2 | 118 | 111 | 107 | 108 | 105 | 107 | 109 | 109 | 112 | 109 | 102 | 106 | 80 | 1.1 |
| CF30GR | 118 | 98 | 96 | 97 | 98 | 100 | 98 | 95 | 94 | 94 | 96 | 98 | 82 | 1.2 |
| 28-60RY | 119 | 101 | 99 | 100 | 96 | 99 | 98 | 100 | 108 | 104 | 95 | 97 | 92 | 1.2 |
| PS 1563 R2 | 119 | 105 | 101 | -- | 100 | -- | 101 | -- | 96 | -- | 107 | -- | 77 | 1.2 |
| PRO 2835R2 | 119 | 95 | 97 | 98 | 100 | 99 | 93 | 94 | 96 | 98 | 99 | 100 | 80 | 1.1 |
| CF31GR | 120 | 99 | 102 | 103 | 98 | 97 | 100 | 104 | 103 | 105 | 106 | 106 | 83 | 1.1 |
| 29-11RY | 120 | 102 | 102 | -- | 101 | -- | 99 | -- | 104 | -- | 104 | -- | 76 | 1.0 |
| PS 1670 NR2 | 120 | 103 | 105 | 103 | 101 | 99 | 108 | 106 | 106 | 101 | 105 | 105 | 85 | 1.3 |
| HS 11RY07 | 120 | 104 | 104 | 105 | 103 | 104 | 99 | 102 | 109 | 106 | 106 | 109 | 82 | 1.1 |
| Soido R2 | 120 | 95 | 99 | 99 | 109 | 107 | 96 | 97 | 93 | 95 | 98 | 96 | 77 | 1.4 |
| 91Y61 | 120 | 94 | 97 | 99 | 100 | 101 | 90 | 93 | 100 | 101 | 101 | 102 | 78 | 1.1 |
| R2T1741 | 121 | 104 | 103 | -- | 102 | -- | 104 | -- | 102 | -- | 106 | -- | 84 | 1.1 |
| 91Y81 | 121 | 99 | 101 | -- | 101 | -- | 99 | -- | 105 | -- | 101 | -- | 85 | 1.1 |
| RR2 Titanium | 121 | 104 | 104 | 105 | 103 | 104 | 103 | 104 | 102 | 106 | 106 | 105 | 79 | 1.1 |
| 5A130RR2 | 121 | 99 | 99 | 101 | 97 | 97 | 94 | 99 | 104 | 105 | 103 | 102 | 82 | 1.2 |
| 29-60RY | 123 | 107 | 107 | -- | 103 | -- | 110 | -- | 112 | -- | 102 | -- | 84 | 1.0 |
| S14-M4 | 123 | 100 | 103 | 100 | 105 | 102 | 100 | 99 | 108 | 103 | 99 | 95 | 83 | 1.3 |
| S15-B4 | 124 | 103 | 103 | 101 | 101 | 100 | 107 | 106 | 98 | 96 | 108 | 103 | 83 | 1.3 |
| DTM (1yr) | | | | | | | | | | | | | | |
| PRO 2625 R2 | 118 | 96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| HS 09RYS12 | 119 | 99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5091RR2Y | 119 | 101 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5A090RR2 | 120 | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5A145RR2 | 122 | 97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PS 1614 NR2 | 124 | 104 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | 4.31 | 4.42 | 4.51 | 4.26 | 4.17 | 4.65 | 4.62 | 4.62 | 4.91 | 4.17 | 4.32 | | |
| (bu/ac) | | 63.9 | 65.6 | 66.8 | 63.2 | 61.9 | 68.9 | 68.6 | 68.6 | 72.8 | 61.8 | 64.1 | | |

TABLE 4.2 AGRONOMIC DATA AT MATURITY GROUP 1 (2700-2900 HU) AREAS , CONV/FOOD TEST

| Variety | Days to Mature | AVERAGE Yield Index | | | EXETER Yield Index | ST. PAULS Yield Index | | WINCHESTER Yield Index | | WOODSTOCK Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat | |
|----------------------|----------------|---------------------|--------|--------|--------------------|-----------------------|--------|------------------------|--------|-----------------------|--------|-------------------|---------------------------------|-----|
| | | 1 year | 2 year | 3 year | 2 year | 2 year | 3 year | 2 year | 3 year | 2 year | 3 year | | | |
| HDC Winthrop | F | 112 | 92 | 93 | 94 | 88 | 89 | 94 | 100 | 99 | 94 | 93 | 78 | 1.3 |
| S09-L6 | F | 115 | 87 | 86 | 84 | 87 | 87 | 88 | 87 | 84 | 81 | 79 | 87 | 1.6 |
| Destiny | F | 117 | 95 | 95 | 94 | 100 | 91 | 91 | 94 | 93 | 95 | 94 | 82 | 1.1 |
| Colby | | 117 | 101 | 98 | 96 | 93 | 103 | 99 | 94 | 89 | 103 | 102 | 77 | 1.8 |
| DH405-2 | F | 117 | 99 | 96 | 97 | 97 | 95 | 97 | 101 | 101 | 92 | 93 | 79 | 1.2 |
| 91M10 | | 117 | 96 | 97 | 96 | 101 | 97 | 94 | 94 | 98 | 97 | 93 | 77 | 1.1 |
| S14-L9 | F | 117 | 104 | 104 | -- | 105 | 104 | -- | 105 | -- | 100 | -- | 74 | 1.1 |
| Black Pearl | F | 118 | 95 | 93 | -- | 94 | 92 | -- | 89 | -- | 98 | -- | 86 | 1.2 |
| EIDER | F | 118 | 91 | 94 | 97 | 93 | 91 | 97 | 97 | 101 | 96 | 96 | 84 | 1.4 |
| HS 13C38 | | 118 | 96 | 96 | 98 | 97 | 91 | 96 | 96 | 98 | 100 | 99 | 81 | 1.5 |
| Acora | | 119 | 107 | 105 | 103 | 107 | 102 | 99 | 104 | 105 | 107 | 103 | 92 | 1.3 |
| DH4173 | F | 119 | 101 | 100 | 100 | 104 | 101 | 103 | 100 | 100 | 94 | 96 | 78 | 1.2 |
| DH5170 | F | 119 | 107 | 103 | -- | 109 | 104 | -- | 101 | -- | 96 | -- | 88 | 1.8 |
| S15-C2 | F | 120 | 105 | 104 | 104 | 109 | 104 | 103 | 105 | 110 | 98 | 96 | 84 | 1.4 |
| S12-A5 | | 120 | 102 | 101 | 103 | 103 | 96 | 101 | 105 | 107 | 99 | 101 | 77 | 1.2 |
| Stargazer | F | 120 | 95 | 92 | 94 | 95 | 89 | 91 | 90 | 92 | 93 | 97 | 83 | 1.4 |
| DH530 | F | 121 | 106 | 105 | 105 | 108 | 104 | 105 | 102 | 101 | 108 | 108 | 87 | 1.3 |
| Bakara | F | 122 | 98 | 101 | 101 | 98 | 104 | 106 | 101 | 97 | 102 | 100 | 86 | 1.3 |
| HDC Goshen | F | 122 | 102 | 101 | 102 | 96 | 101 | 103 | 107 | 106 | 98 | 98 | 94 | 1.3 |
| DH748 | F | 122 | 105 | 107 | 108 | 103 | 108 | 107 | 111 | 109 | 106 | 111 | 86 | 1.3 |
| OAC Ginty | F | 123 | 96 | 97 | 98 | 102 | 100 | 101 | 91 | 93 | 96 | 97 | 82 | 1.4 |
| DH410SCN | F | 123 | 101 | 100 | 98 | 97 | 104 | 98 | 100 | 100 | 99 | 97 | 86 | 1.5 |
| S18-R6 | F | 123 | 106 | 106 | 107 | 104 | 107 | 105 | 107 | 113 | 105 | 103 | 84 | 1.3 |
| HDC 1600T | F | 123 | 110 | 105 | 102 | 111 | 105 | 99 | 98 | 98 | 108 | 104 | 79 | 1.3 |
| Kanata | | 124 | 103 | 101 | 100 | 96 | 104 | 102 | 102 | 99 | 101 | 101 | 81 | 1.4 |
| OAC Huron | F | 124 | 97 | 97 | 96 | 96 | 99 | 100 | 95 | 91 | 100 | 100 | 83 | 1.5 |
| OAC Calypso | F | 125 | 113 | 113 | 111 | 108 | 109 | 105 | 117 | 111 | 117 | 117 | 90 | 1.7 |
| OAC Perth | F | 125 | 103 | 103 | 105 | 106 | 99 | 103 | 101 | 105 | 105 | 107 | 82 | 1.9 |
| HDC Blake | F | 125 | 101 | 103 | 101 | 95 | 107 | 103 | 105 | 104 | 104 | 99 | 90 | 1.5 |
| OAC Avatar | F | 126 | 113 | 111 | 110 | 105 | 115 | 112 | 108 | 105 | 117 | 116 | 87 | 1.7 |
| Thames | F | 126 | 105 | 100 | -- | 98 | 97 | -- | 106 | -- | 96 | -- | 85 | 1.6 |
| HC 1912N | F | 126 | 98 | 95 | 96 | 97 | 100 | 99 | 89 | 89 | 96 | 99 | 89 | 1.6 |
| DTM (1yr) | | | | | | | | | | | | | | |
| ADV Windfall | | 113 | 79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| OAC Drayton | | 117 | 96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Proxy LL | | 117 | 98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| HAVANE | | 120 | 101 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| ADV Cadet | F | 121 | 92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| DH4202 | F | 121 | 106 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | | 4.24 | 4.29 | 4.33 | 4.28 | 4.23 | 4.34 | 4.67 | 4.62 | 3.99 | 4.07 | | |
| (bu/ac) | | | 62.9 | 63.7 | 64.2 | 63.5 | 62.7 | 64.3 | 69.3 | 68.5 | 59.1 | 60.4 | | |

Notes: F = Food type soybean

| Testing Locations: Table 4 | | | |
|----------------------------|-------|------|------|
| Exeter | 2010* | 2011 | 2012 |
| St. Pauls | 2010 | 2011 | 2012 |
| Winchester | 2010 | 2011 | 2012 |
| Woodstock | 2010 | 2011 | 2012 |

*RR Tests only

TABLE 5.1 AGRONOMIC DATA AT EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS , RR TEST

| Variety | Days to Mature | CLAY AVG Yield Index | | INWOOD Yield Index | | PALMYRA Yield Index | | LOAM AVG Yield Index | | RIDGETOWN Yield Index | | TALBOTVILLE Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat |
|----------------------|----------------|----------------------|--------|--------------------|-------------|---------------------|-------------|----------------------|--------|-----------------------|-------------|-------------------------|-------------|-------------------|---------------------------------|
| | | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | | |
| PRO 2935R2C | 111 | 95 | 95 | 95 | 95 | 95 | 91 | 89 | 92 | 97 | 96 | 86 | 87 | 85 | 1.5 |
| 29-11RY | 111 | 94 | 94 | 97 | -- | 92 | -- | 86 | 89 | 92 | -- | 86 | -- | 79 | 1.0 |
| Valiant RR | 111 | 77 | 83 | 83 | 86 | 82 | 87 | 85 | 89 | 89 | 89 | 89 | 91 | 85 | 1.2 |
| RR2 Gold | 114 | 99 | 97 | 105 | 103 | 90 | 97 | 101 | 100 | 103 | 100 | 96 | 97 | 87 | 1.6 |
| HS 18RYS13 | 115 | 103 | 101 | 100 | 100 | 103 | 101 | 97 | 98 | 98 | 99 | 98 | 101 | 87 | 1.2 |
| HS 18RY09 | 115 | 95 | 94 | 101 | 102 | 89 | 93 | 101 | 101 | 103 | 101 | 98 | 98 | 84 | 1.3 |
| 30-11RY | 116 | 94 | 96 | 96 | 99 | 96 | 97 | 94 | 96 | 99 | 101 | 93 | 95 | 90 | 1.5 |
| 29-60RY | 116 | 92 | 91 | 100 | 100 | 85 | 90 | 102 | 101 | 102 | 103 | 100 | 103 | 88 | 1.3 |
| PRO 3025R2C | 117 | 105 | 106 | 105 | 104 | 107 | 107 | 102 | 104 | 106 | 106 | 101 | 102 | 87 | 1.2 |
| HS 19RYS14 | 118 | 104 | 106 | 105 | 100 | 108 | 107 | 100 | 103 | 103 | 101 | 102 | 101 | 88 | 1.4 |
| S201RR2Y | 118 | 97 | 98 | 95 | 99 | 100 | 101 | 94 | 95 | 95 | 96 | 95 | 97 | 94 | 1.6 |
| CF40GR | 118 | 88 | 92 | 85 | 92 | 96 | 96 | 99 | 100 | 100 | 101 | 99 | 100 | 87 | 1.5 |
| Aspen RR | 118 | 96 | 95 | 94 | -- | 96 | -- | 99 | 100 | 101 | -- | 99 | -- | 89 | 1.7 |
| 30-61RY | 119 | 94 | 97 | 100 | -- | 95 | -- | 103 | 103 | 108 | -- | 98 | -- | 91 | 1.6 |
| HS 22RYS03 | 119 | 104 | 104 | 110 | 108 | 100 | 100 | 103 | 102 | 102 | 102 | 103 | 106 | 86 | 1.2 |
| PS 2082 NR2 | 119 | 105 | 105 | 103 | 102 | 107 | 106 | 100 | 102 | 103 | 101 | 101 | 104 | 94 | 1.8 |
| S20-Z9 | 119 | 94 | 96 | 95 | 95 | 97 | 96 | 101 | 101 | 103 | 101 | 98 | 95 | 93 | 1.7 |
| 92Y12 | 120 | 97 | 94 | 101 | 97 | 90 | 91 | 105 | 103 | 106 | 104 | 100 | 100 | 88 | 1.4 |
| PS 2393 NR2 | 121 | 109 | 106 | 108 | -- | 105 | -- | 104 | 103 | 106 | -- | 100 | -- | 95 | 1.7 |
| CF41GR | 121 | 101 | 102 | 99 | 98 | 104 | 103 | 102 | 101 | 98 | 100 | 104 | 103 | 92 | 1.6 |
| 31-10RY | 121 | 99 | 97 | 101 | 104 | 93 | 98 | 101 | 101 | 104 | 103 | 98 | 98 | 91 | 1.8 |
| CF52GR | 121 | 108 | 106 | 107 | -- | 105 | -- | 104 | 103 | 105 | -- | 101 | -- | 93 | 1.7 |
| 92Y22 | 122 | 108 | 105 | 109 | -- | 102 | -- | 104 | 102 | 102 | -- | 101 | -- | 87 | 1.1 |
| RR2 Impact | 122 | 105 | 105 | 105 | -- | 105 | -- | 107 | 108 | 108 | -- | 108 | -- | 93 | 1.6 |
| 92Y32 | 122 | 94 | 95 | 95 | -- | 95 | -- | 105 | 98 | 97 | -- | 100 | -- | 91 | 1.3 |
| 31-11RY | 123 | 104 | 102 | 103 | 103 | 101 | 103 | 103 | 104 | 102 | 102 | 105 | 104 | 94 | 1.4 |
| 92Y30 | 123 | 100 | 102 | 96 | 95 | 105 | 106 | 99 | 98 | 94 | 93 | 103 | 102 | 92 | 1.1 |
| 92Y55 | 123 | 104 | 105 | 99 | -- | 110 | -- | 107 | 103 | 100 | -- | 105 | -- | 93 | 1.5 |
| 92Y53 | 124 | 112 | 108 | 106 | 101 | 110 | 109 | 102 | 101 | 100 | 102 | 102 | 105 | 91 | 1.4 |
| Dart RR | 124 | 108 | 109 | 110 | 107 | 108 | 108 | 104 | 101 | 99 | 101 | 103 | 103 | 91 | 1.4 |
| Charger RR | 124 | 99 | 99 | 97 | 98 | 101 | 100 | 104 | 103 | 102 | 101 | 104 | 104 | 93 | 1.7 |
| PRO 3215R2C | 125 | 96 | 101 | 107 | 104 | 97 | 99 | 100 | 102 | 99 | 99 | 105 | 103 | 88 | 1.6 |
| RR2 Gravity | 125 | 97 | 97 | 93 | -- | 99 | -- | 104 | 101 | 100 | -- | 101 | -- | 91 | 1.7 |
| 31-60RY | 126 | 99 | 100 | 101 | 100 | 99 | 103 | 97 | 98 | 95 | 96 | 102 | 99 | 94 | 1.9 |
| HS 24RYS01 | 126 | 101 | 101 | 100 | 103 | 102 | 100 | 98 | 100 | 98 | 100 | 103 | 101 | 98 | 2.0 |
| S25-W4 | 127 | 100 | 103 | 101 | 101 | 104 | 105 | 99 | 99 | 98 | 100 | 101 | 100 | 93 | 1.8 |
| HS 26RYS16 | 127 | 104 | 103 | 101 | 103 | 104 | 106 | 104 | 101 | 99 | 102 | 103 | 100 | 99 | 1.9 |
| Thesan R2 | 128 | 108 | 106 | 98 | -- | 111 | -- | 106 | 105 | 105 | -- | 105 | -- | 96 | 1.7 |
| 5A255RR2 | 128 | 109 | 105 | 100 | -- | 108 | -- | 101 | 100 | 98 | -- | 102 | -- | 95 | 1.7 |
| 32-11RY | 128 | 101 | 101 | 102 | -- | 101 | -- | 92 | 94 | 91 | -- | 97 | -- | 91 | 1.8 |
| R2C 2861 | 132 | 100 | 99 | 92 | -- | 105 | -- | 96 | 97 | 92 | -- | 102 | -- | 99 | 1.8 |
| DTM (1yr) | | | | | | | | | | | | | | | |
| PS 2014 NR2 | 122 | 100 | -- | -- | -- | -- | -- | 104 | -- | -- | -- | -- | -- | -- | -- |
| R2C 2351 | 127 | 106 | -- | -- | -- | -- | -- | 99 | -- | -- | -- | -- | -- | -- | -- |
| PS 2314 NR2 | 129 | 97 | -- | -- | -- | -- | -- | 95 | -- | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | 4.07 | 3.89 | 3.30 | 3.50 | 4.47 | 4.26 | 4.91 | 5.03 | 5.41 | 5.87 | 4.65 | 4.59 | | |
| (bu/ac) | | 60.4 | 57.6 | 49.0 | 51.9 | 66.3 | 63.2 | 72.9 | 74.7 | 80.3 | 87.0 | 69.0 | 68.0 | | |

TABLE 5.2 AGRONOMIC DATA AT EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS , CONV/FOOD TEST

| Variety | Days to Mature | CLAY AVG Yield Index | | INWOOD Yield Index | | PALMYRA Yield Index | | LOAM AVG Yield Index | | RIDGETOWN Yield Index | | TALBOTVILLE Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat | |
|----------------------|----------------|----------------------|--------|--------------------|--------|---------------------|--------|----------------------|--------|-----------------------|--------|-------------------------|--------|-------------------|---------------------------------|-----|
| | | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | | | |
| HDC Goshen | F | 112 | 106 | 101 | 98 | 96 | 104 | 102 | 97 | 94 | 95 | 95 | 94 | 95 | 94 | 1.5 |
| DH4202 | F | 112 | 99 | 100 | 108 | 106 | 94 | 100 | 96 | 98 | 103 | 102 | 94 | 101 | 84 | 1.6 |
| S18-R6 | F | 113 | 105 | 106 | 101 | 97 | 110 | 109 | 99 | 100 | 101 | 102 | 99 | 102 | 92 | 1.1 |
| HDC 1600T | F | 113 | 96 | 92 | 101 | 98 | 85 | 91 | 100 | 102 | 104 | 102 | 100 | 104 | 78 | 1.3 |
| DH410SCN | F | 114 | 103 | 100 | 102 | 100 | 99 | 98 | 96 | 95 | 95 | 96 | 95 | 96 | 90 | 1.7 |
| DH715L | F | 116 | 97 | 96 | 96 | 98 | 97 | 98 | 97 | 99 | 100 | 99 | 98 | 100 | 75 | 1.2 |
| Thames | F | 116 | 113 | 109 | 104 | 104 | 113 | 109 | 96 | 96 | 98 | 100 | 93 | 96 | 89 | 1.6 |
| HDC Blake | F | 117 | 101 | 96 | 97 | 99 | 95 | 98 | 101 | 98 | 97 | 98 | 98 | 98 | 94 | 1.6 |
| HC 1912N | F | 117 | 100 | 101 | 97 | 98 | 104 | 106 | 97 | 99 | 97 | 99 | 102 | 96 | 89 | 1.5 |
| OAC Marvel | F | 117 | 99 | 103 | 94 | 96 | 109 | 109 | 96 | 96 | 98 | 97 | 95 | 95 | 96 | 1.7 |
| OAC Calypso | F | 118 | 98 | 98 | 101 | -- | 96 | -- | 101 | 105 | 108 | -- | 101 | -- | 95 | 1.6 |
| S20-G7 | F | 118 | 102 | 96 | 102 | 99 | 90 | 93 | 106 | 101 | 101 | 99 | 101 | 97 | 95 | 1.4 |
| OAC Kent | F | 118 | 96 | 95 | 99 | 99 | 92 | 95 | 96 | 97 | 97 | 98 | 97 | 96 | 92 | 1.7 |
| Mersea | F | 119 | 98 | 100 | 106 | 105 | 96 | 98 | 106 | 105 | 106 | 106 | 103 | 106 | 91 | 1.5 |
| OAC Heritage | F | 119 | 96 | 91 | 95 | 95 | 89 | 94 | 89 | 97 | 96 | 97 | 97 | 93 | 101 | 1.9 |
| S21-C3 | F | 119 | 106 | 110 | 101 | -- | 118 | -- | 113 | 113 | 115 | -- | 111 | -- | 94 | 1.5 |
| HS 25S89 | | 119 | 95 | 101 | 92 | 92 | 108 | 105 | 102 | 100 | 100 | 102 | 100 | 102 | 89 | 1.4 |
| X790P | F | 119 | 87 | 82 | 90 | 90 | 75 | 78 | 83 | 81 | 78 | 81 | 84 | 79 | 89 | 1.9 |
| SG 2311 | | 119 | 100 | 101 | 105 | 103 | 98 | 99 | 100 | 102 | 101 | 103 | 103 | 102 | 94 | 1.5 |
| S23-T5 | F | 120 | 99 | 107 | 98 | 99 | 115 | 108 | 117 | 112 | 116 | 111 | 108 | 110 | 90 | 1.3 |
| 92M10 | | 120 | 113 | 108 | 108 | 106 | 109 | 104 | 109 | 105 | 102 | 101 | 108 | 107 | 97 | 1.5 |
| OAC Brooke | F | 121 | 105 | 104 | 102 | 106 | 106 | 105 | 113 | 110 | 106 | 109 | 114 | 116 | 86 | 1.5 |
| OAC Thamesville | F | 122 | 101 | 100 | 106 | 107 | 96 | 102 | 100 | 101 | 98 | 99 | 103 | 103 | 94 | 1.4 |
| AAC Malden | F | 122 | 95 | 101 | 99 | -- | 103 | -- | 93 | 94 | 92 | -- | 96 | -- | 96 | 1.7 |
| PS 2295 LL | | 123 | 90 | 100 | 98 | 101 | 102 | 98 | 89 | 94 | 93 | 99 | 96 | 100 | 92 | 1.8 |
| DF 155 | F | 126 | 99 | 99 | 100 | 103 | 99 | 100 | 107 | 106 | 104 | 105 | 109 | 107 | 92 | 1.7 |
| Average yield (T/ha) | | | 4.01 | 3.79 | 3.42 | 3.41 | 4.16 | 4.15 | 4.62 | 4.78 | 5.17 | 5.59 | 4.40 | 4.41 | | |
| (bu/ac) | | | 59.5 | 56.2 | 50.7 | 50.6 | 61.7 | 61.6 | 68.6 | 71.0 | 76.6 | 83.0 | 65.3 | 65.4 | | |

Notes: F = Food type soybean

| Testing Locations: Table 5 | | | |
|----------------------------|------|------|------|
| Inwood | 2010 | 2011 | 2012 |
| Palmyra | 2010 | 2011 | 2012 |
| Ridgetown | 2010 | 2011 | 2012 |
| Talbotville | 2010 | 2011 | 2012 |

TABLE 6.1 AGRONOMIC DATA AT LATE MATURITY GROUP 2 (3300-3500 HU) AREAS , RR TEST

| Variety | Days to Mature | CLAY AVG Yield Index | | MERLIN Yield Index | | WOODSLEE Yield Index | | LOAM AVG Yield Index | | CHATHAM Yield Index | | MALDEN Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat |
|----------------------|----------------|----------------------|--------|--------------------|-------------|----------------------|-------------|----------------------|--------|---------------------|-------------|--------------------|-------------|-------------------|---------------------------------|
| | | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | | |
| PRO 3025R2C | 115 | 98 | 99 | 99 | 100 | 100 | 100 | 95 | 97 | 100 | 101 | 95 | 93 | 86 | 1.2 |
| Dart RR | 121 | 100 | 102 | 100 | 101 | 103 | 103 | 93 | 98 | 99 | 100 | 97 | 98 | 91 | 1.3 |
| 92Y74 | 121 | 103 | 102 | 97 | 101 | 105 | 105 | 100 | 101 | 100 | 97 | 102 | 102 | 87 | 1.2 |
| Charger RR | 121 | 102 | 101 | 100 | 101 | 102 | 103 | 97 | 99 | 99 | 100 | 100 | 99 | 93 | 1.3 |
| PS 2797 NR2 | 121 | 103 | 103 | 102 | 100 | 104 | 103 | 100 | 98 | 99 | 99 | 98 | 98 | 91 | 1.5 |
| RR2 Gravity | 122 | 107 | 99 | 94 | 99 | 102 | 99 | 100 | 101 | 99 | 102 | 103 | 102 | 90 | 1.5 |
| PRO 3215R2C | 122 | 103 | 101 | 95 | 93 | 105 | 101 | 96 | 97 | 100 | 100 | 94 | 94 | 88 | 1.3 |
| CF60GR | 122 | 99 | 100 | 101 | 101 | 100 | 101 | 100 | 100 | 101 | 101 | 99 | 97 | 91 | 1.3 |
| HS 24RYS01 | 122 | 93 | 98 | 101 | 100 | 96 | 96 | 102 | 100 | 98 | 98 | 102 | 102 | 96 | 1.8 |
| HS 26RYS16 | 123 | 101 | 100 | 99 | 100 | 101 | 100 | 97 | 98 | 99 | 100 | 97 | 98 | 95 | 1.7 |
| 5A255RR2 | 124 | 99 | 99 | 103 | -- | 96 | -- | 102 | 103 | 105 | -- | 100 | -- | 94 | 1.5 |
| 32-61RY | 124 | 98 | 96 | 101 | 100 | 92 | 92 | 100 | 100 | 102 | 101 | 98 | 104 | 92 | 1.5 |
| HS 28RYS28 | 124 | 97 | 95 | 97 | -- | 94 | -- | 104 | 99 | 95 | -- | 104 | -- | 93 | 1.6 |
| Monaco RR | 124 | 91 | 94 | 97 | -- | 92 | -- | 96 | 96 | 94 | -- | 97 | -- | 98 | 2.2 |
| Thesan R2 | 124 | 102 | 102 | 103 | -- | 102 | -- | 97 | 100 | 100 | -- | 101 | -- | 95 | 1.7 |
| 92Y83 | 125 | 107 | 107 | 109 | -- | 106 | -- | 101 | 101 | 104 | -- | 97 | -- | 92 | 1.2 |
| CF61GR | 125 | 101 | 104 | 102 | 101 | 106 | 107 | 105 | 103 | 107 | 104 | 99 | 100 | 95 | 1.4 |
| 32-11RY | 125 | 101 | 100 | 100 | -- | 100 | -- | 103 | 101 | 99 | -- | 102 | -- | 93 | 1.7 |
| S30-E9 | 126 | 101 | 96 | 100 | -- | 93 | -- | 102 | 101 | 96 | -- | 106 | -- | 90 | 1.3 |
| RR2 Dynamite | 127 | 101 | 102 | 103 | -- | 102 | -- | 105 | 102 | 103 | -- | 100 | -- | 94 | 1.4 |
| 93Y22 | 127 | 96 | 98 | 99 | 102 | 96 | 96 | 100 | 103 | 101 | 101 | 104 | 104 | 92 | 1.5 |
| 93Y05 | 127 | 99 | 102 | 101 | 102 | 102 | 101 | 101 | 100 | 101 | 98 | 99 | 102 | 92 | 1.2 |
| Hino R2 | 127 | 103 | 102 | 99 | -- | 105 | -- | 106 | 104 | 106 | -- | 103 | -- | 94 | 1.6 |
| S31-L7 | 128 | 98 | 96 | 96 | 99 | 95 | 93 | 101 | 98 | 94 | 98 | 102 | 105 | 94 | 1.9 |
| DTM (1yr) | | | | | | | | | | | | | | | |
| S25-W4 | 124 | 99 | -- | -- | -- | -- | -- | 99 | -- | -- | -- | -- | -- | -- | -- |
| S27-T3 | 124 | 96 | -- | -- | -- | -- | -- | 100 | -- | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | 4.64 | 4.31 | 3.80 | 4.04 | 4.82 | 4.35 | 5.34 | 4.97 | 5.27 | 5.24 | 4.66 | 4.32 | | |
| (bu/ac) | | 68.8 | 63.9 | 56.3 | 60.0 | 71.4 | 64.6 | 79.2 | 73.7 | 78.2 | 77.8 | 69.1 | 64.1 | | |

TABLE 6.2 AGRONOMIC DATA AT LATE MATURITY GROUP 2 (3300-3500 HU) AREAS , CONV/FOOD TEST

| Variety | Days to Mature | CLAY AVG Yield Index | | MERLIN Yield Index | | WOODSLEE Yield Index | | LOAM AVG Yield Index | | CHATHAM Yield Index | | MALDEN Yield Index | | Plant Height (cm) | Lodging 1=standing 5=flat | |
|----------------------|----------------|----------------------|--------|--------------------|--------|----------------------|--------|----------------------|--------|---------------------|--------|--------------------|--------|-------------------|---------------------------|-----|
| | | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | 1 year | 2 year | 2 year | 3 year | 2 year | 3 year | | | |
| Mersea | F | 114 | 102 | 99 | 98 | 99 | 101 | 101 | 98 | 97 | 100 | 100 | 94 | 93 | 91 | 1.2 |
| OAC Marvel | F | 114 | 92 | 94 | 96 | 97 | 92 | 93 | 101 | 102 | 103 | 101 | 100 | 103 | 93 | 1.3 |
| OAC Kent | F | 115 | 100 | 99 | 100 | 101 | 97 | 100 | 89 | 91 | 89 | 94 | 93 | 95 | 91 | 1.5 |
| S23-T5 | F | 116 | 98 | 99 | 93 | 95 | 104 | 102 | 106 | 105 | 107 | 106 | 104 | 100 | 89 | 1.2 |
| OAC Thamesville | F | 117 | 101 | 101 | 101 | 103 | 100 | 101 | 94 | 96 | 94 | 90 | 98 | 105 | 92 | 1.2 |
| AAC Malden | F | 120 | 97 | 98 | 97 | -- | 98 | -- | 102 | 104 | 101 | -- | 108 | -- | 95 | 1.8 |
| DF 155 | F | 122 | 114 | 110 | 114 | 105 | 106 | 103 | 104 | 105 | 105 | 109 | 104 | 104 | 91 | 1.6 |
| DTM (1yr) | | | | | | | | | | | | | | | | |
| HS 25S89 | | 119 | 95 | -- | -- | -- | -- | -- | 107 | -- | -- | -- | -- | -- | -- | -- |
| Average yield (T/ha) | | | 4.43 | 4.15 | 3.88 | 4.12 | 4.42 | 3.97 | 4.82 | 4.50 | 4.87 | 4.88 | 4.14 | 3.84 | | |
| (bu/ac) | | | 65.7 | 61.6 | 57.5 | 61.1 | 65.6 | 58.9 | 71.5 | 66.8 | 72.2 | 72.4 | 61.4 | 57.0 | | |

Notes: F = Food type soybean

| Testing Locations: Table 6 | | | |
|----------------------------|------|------|------|
| Merlin | 2010 | 2011 | 2012 |
| Woodslee | 2010 | 2011 | 2012 |
| Chatham | 2010 | 2011 | 2012 |
| Malden | 2010 | 2011 | 2012 |

TABLE 7. RESISTANT VARIETY PERFORMANCE IN SCN INFESTED FIELDS

Round-up Ready Varieties*

| Variety | Average of 6 Tests (2010-2012) | | Average of 4 Tests (2011-2012) | | Source of Resistance |
|--------------------------------|-----------------------------------|-------------------------|-----------------------------------|-----------------|----------------------|
| | Days to Maturity | Yield Index (%) | Days to Maturity | Yield Index (%) | |
| PRO 2825R2C | -- | -- | 104 | 108 | PI88788 |
| HS 14RYS02 | 102 | 121 | 105 | 120 | PI 88788 |
| PRO 2935R2C | 103 | 123 | 105 | 119 | PI88788 |
| 91Y41 | -- | -- | 105 | 117 | PI 88788 |
| PS 1670 NR2 | 104 | 120 | 107 | 117 | PI 88788 |
| 29-11RY | -- | -- | 108 | 140 | Peking |
| PRO 2925R2C | 106 | 124 | 108 | 126 | PI88788 |
| 91Y81 | -- | -- | 110 | 128 | PI 88788 |
| HS 18RYS13 | 107 | 137 | 110 | 131 | PI 88788 |
| S14-M4 | -- | -- | 110 | 141 | Peking |
| 30-11RY | 108 | 134 | 112 | 136 | PI 88788 |
| 30-61RY | -- | -- | 114 | 134 | PI 88788 |
| 5201RR2Y | 111 | 137 | 114 | 141 | PI 88788 |
| HS 19RYS14 | 111 | 142 | 114 | 147 | PI 88788 |
| PRO 3025R2C | 111 | 134 | 115 | 138 | Other |
| S20-Z9 | 112 | 130 | 115 | 128 | PI 88788 |
| PS 2393 NR2 | -- | -- | 115 | 140 | PI 88788 |
| HS 22RYS03 | 113 | 141 | 116 | 141 | PI 88788 |
| PS 2082 NR2 | 112 | 136 | 116 | 132 | PI 88788 |
| 92Y22 | -- | -- | 118 | 132 | PI 88788 |
| 92Y32 | -- | -- | 119 | 138 | PI 88788 |
| 92Y53 | 116 | 143 | 120 | 147 | Peking |
| 92Y55 | -- | -- | 120 | 131 | PI 88788 |
| 31-11RY | 116 | 148 | 120 | 151 | PI 88788 |
| 92Y30 | 116 | 134 | 121 | 136 | PI 88788 |
| PRO 3215R2C | 118 | 136 | 122 | 140 | PI88788 |
| PS 2797 NR2 | 119 | 137 | 123 | 140 | PI 88788 |
| S25-W4 | 119 | 139 | 123 | 144 | PI 88788 |
| 31-60RY | 120 | 144 | 123 | 147 | PI 88788 |
| HS 24RYS01 | 120 | 152 | 123 | 152 | PI 88788 |
| S30-E9 | -- | -- | 123 | 138 | PI 88788 |
| HS 26RYS16 | 121 | 146 | 124 | 148 | PI 88788 |
| 32-11RY | -- | -- | 124 | 146 | PI 88788 |
| 32-61RY | 121 | 142 | 124 | 146 | PI 88788 |
| 92Y83 | -- | -- | 124 | 140 | PI 88788 |
| HS 28RYS28 | -- | -- | 124 | 141 | PI 88788 |
| Thesan R2 | -- | -- | 124 | 150 | PI 88788 |
| S31-L7 | 122 | 150 | 125 | 151 | PI 88788 |
| Hino R2 | -- | -- | 127 | 147 | PI 88788 |
| 93Y22 | 125 | 142 | 127 | 141 | PI 88788 |
| 93Y05 | 125 | 147 | 128 | 144 | PI 88788 |
| ** Susceptible Yield Index is: | | 100% | 100% | | |
| Susceptible Yield (RR): | | 2.77 T/ha 41.1 bu/ac | 2.67 T/ha 39.6 bu/ac | | |

Conventional Varieties

| Variety | Average of 6 Tests (2010-2012) | | Average of 4 Tests (2011-2012) | | Source of Resistance |
|--------------------------------|-----------------------------------|-------------------------|-----------------------------------|-----------------|----------------------|
| | Days to Maturity | Yield Index (%) | Days to Maturity | Yield Index (%) | |
| HDC Goshen | 105 | 126 | 107 | 125 | PI 88788 |
| S18-R6 | 105 | 130 | 107 | 125 | PI 88788 |
| DH410SCN | 106 | 108 | 108 | 101 | PI 88788 |
| OAC Marvel | 111 | 131 | 113 | 132 | PI 88788 |
| Thames | 112 | 140 | 114 | 141 | PI 88788 |
| S23-T5 | 111 | 140 | 114 | 146 | PI 88788 |
| PS 2295 LL | 114 | 145 | 116 | 144 | PI 88788 |
| ** Susceptible Yield Index is: | | 100% | 100% | | |
| Susceptible Yield (Conv): | | 2.75 T/ha 40.7 bu/ac | 2.62 T/ha 38.9 bu/ac | | |

* Roundup Ready (RR) varieties, tested under a RR management system.

** Susceptible Yield Index is based on three high yielding susceptible varieties.

Test locations had moderate to high SCN infestations of 3,000 to 6,000 eggs/100g soil. Field test SCN populations were HG Type 0 and HG Type 5.7.

Interpretation of Tables & Results

Interpretation of Table 1

Notes: Varieties with resistance genes for races of the Phytophthora root rot organism in Ontario:

- 1a,1c,1k, 6:** Resistance genes for Phytophthora root rot in Ontario which provide resistance to some races of the pathogen. Rps 1a does not provide protection to most races of the pathogen in Ontario
- SCN:** Resistant to some HG types or races of Soybean Cyst Nematode (SCN) in Ontario.
- HP:** Varieties with above average protein index. See Protein & Oil Index section below.
- F:** Varieties designated for food (Tofu, Natto, Miso, etc.) use.
- L-LA:** L-LA is a designation used by seed sponsors to indicate a soybean variety that produces low linolenic acid in the seed

Herbicide Reaction

- RR:** Roundup Ready™ (Trademark of Monsanto Company)
- RR2Y:** Roundup Ready 2 Yield™ (Trademark of Monsanto Company)
- LL:** Liberty Link™ (Trademark of Bayer CropScience AG)

Varieties have not been evaluated for metribuzin tolerance by OOPSCC. For further information contact seed distributor. The following varieties have been reported to OOPSCC as being metribuzin sensitive: 90B73, DH405-2.

Relative Maturity

Ranking of maturities has been initiated to provide producers with a rating system that is similar to the USA soybean industry standards. Rankings are not assigned by OOPSCC. See attached Relative Maturity map

Hilum Colour

Each soybean seed has a hilum which is the point where it was attached to the pod. Varieties differ in

hilum colour and can be either Yellow (Y), Imperfect Yellow (IY), Gray (GR), Buff (BF), Brown (BR), Black (BL), or Imperfect Black (IBL). Hilum colour may also be Light (L). Yellow hilum soybeans are usually the only type accepted for the export market. In certain years discolouration of the hilum of IY varieties can occur and as a result the soybeans may not be acceptable for export markets.

Seeds per Kilogram

This is an estimate of the relative number of seeds of a particular variety in a kilogram of seed based on a 1-2 years of data from all locations where a variety was tested. Since seed size can vary from year to year and from seed lot to seed lot these figures should be used as a rough guide only. The actual seed size reported on each seed lot should be used to calculate seeding rate.

Phytophthora Root Rot % Plant Loss

Based on three year average in a field heavily infested with Phytophthora. Not all races of Phytophthora root rot are found at these sites. The relative ranking of varieties for plant loss may differ in fields that have other races present.

Disease Testing Information

Phytophthora root rot testing is carried out on clay soils infested with common races of Phytophthora at Woodslee. White Mold variety ratings will be listed on the web at www.Gosoy.ca as they become available. SCN tests are done in collaboration with variety sponsors and the SCN Resistant Variety Development project. For further information, contact soyinfo@oopsc.org.

Protein & Oil Index

Protein Index (%) and Oil (%) are found on the web at www.Gosoy.ca.

Interpretation of Results (Tables 2 to 6) Days from Planting to Maturity

Maturity is affected by planting date and the area where a variety is being grown. Varieties are rated as being mature when 95% of the pods on the plants are ripe. Normally, 3-10 additional drying days are needed before the crop is dry enough for combining. A 2-year average is shown.

Yield Index

Varieties can only be compared within each test area. Yield index of a variety indicates its performance as a percentage of the average yield of all varieties grown in a test area. Small index differences may not be meaningful. In Tables 2-4, the yield index for each location and for the average of all locations is based on 2-3 years of testing. In Tables 5-6, the Clay and Loam Averages are based on 3 years of testing. Yield index averaged over locations and years will be a more reliable indicator of yield potential than performance from one single location or single year.

Plant Height

An indicator of the amount of plant growth, it is measured at maturity as the length of the stem from the base of the plant at soil level to its tip. A 2-year average is shown.

Lodging

A visual estimate at maturity of the standability of the crop. A value of 1 is equivalent to a crop standing completely upright, while a 5 represents a crop entirely flat. Within a test area, varieties with lower values are less prone to lodging. A 2-year average is shown.

Testing Methods

In each trial, varieties were replicated in a suitable experimental design and received equal fertility, weed control and management. All trials were planted and harvested by machine. Tests were separated into conventional herbicide and glyphosate herbicide treated plots. Prior to harvest, plant height and lodging scores were obtained. The grain harvested from each plot was weighed and the yield of soybeans was calculated in tonnes/hectare at 13% moisture.

Food Soybean Varieties (F)

The Conventional and Food soybean variety trials were combined for the first time in 2006. All conventional and food varieties were grown in the same test sites in all three years for which data is presented.

Test Locations and Soil Types - 2012 Trials

| Location | Table | Relative Maturity | Soil Type | Row Width (cm) | Seeding Rate (plant/ac) | Co-operator | Trial Co-ordinator |
|-------------|----------|-------------------|-----------|----------------|-------------------------|--------------------------------|--------------------------------|
| Elora | 2 & 3 | 0.6 | silt loam | 35 | 200,000 | OAC | OAC, U of Guelph |
| Listowel | 2 & 3 | 0.7 | loam | 35 | 200,000 | Paul Dewar | ECORC, AAFC, Ottawa |
| Ottawa | 2 & 3 | 0.6 | clay loam | 40 | 200,000 | Research Centre, AAFC, Ottawa | Research Centre, AAFC, Ottawa |
| Winchester | 2, 3 & 4 | 1.0 | clay loam | 35 | 200,000 | Kemptville Campus, U of Guelph | Kemptville Campus, U of Guelph |
| Woodstock | 4 | 1.8 | clay loam | 35 | 200,000 | Bob Hart | OAC, U of Guelph |
| Exeter | 4 | 1.7 | clay loam | 38 | 200,000 | Bill Essery | Ridgetown Campus, U of Guelph |
| St. Paul's | 4 | 1.5 | clay loam | 35 | 200,000 | Pat Murray | OAC, U of Guelph |
| Talbotville | 5 | 2.3 | clay loam | 35 | 200,000 | Tom Oegema | Ridgetown Campus, U of Guelph |
| Palmyra | 5 | 2.7 | clay | 43 | 200,000 | Chris Quinton | Ridgetown Campus, U of Guelph |
| Inwood | 5 | 2.4 | clay | 43 | 200,000 | Jeff Lassaline | Ridgetown Campus, U of Guelph |
| Ridgetown | 5 | 2.8 | clay loam | 43 | 160,000 | Ridgetown Campus, U of Guelph | Ridgetown Campus, U of Guelph |
| Chatham | 6 | 2.9 | clay loam | 43 | 160,000 | Wonnacott Farms Ltd. | Ridgetown Campus, U of Guelph |
| Merlin | 6 | 3.1 | clay | 43 | 200,000 | Grant Guy | Ridgetown Campus, U of Guelph |
| Woodslee | 6 | 3.3 | clay | 46 | 200,000 | Research Centre, AAFC, Harrow | Research Centre, AAFC, Harrow |
| Malden | 6 | 3.5 | clay loam | 46 | 185,000 | Research Centre, AAFC, Harrow | Research Centre, AAFC, Harrow |

Soybean Variety Distributors

| Distributor | Address | Telephone | Fax | Internet |
|----------------------------|---|----------------|--------------|---------------------------------|
| AGRIS Co-operative Ltd. | 835 Park Ave. W, Chatham, ON N7M 5J6 | 519-380-2384 | 519-354-7058 | www.agris.coop |
| Bramhill Seeds | 5220 Hwy 23, RR #2 Palmerston, ON N0G 2P0 | 519-343-3630 | 519-343-2037 | |
| Country Farm Seeds Ltd. | P.O. Box 790, 18814 Communication Road, Blenheim, ON N0P 1A0 | 1-800-449-3990 | 519-676-9633 | www.countryfarmseeds.com |
| DEKALB | 120 Research Lane, Unit 101, Guelph, ON N1G 0B4 | 1-800-667-4944 | 519-823-9733 | www.monsanto.ca/products/dekalb |
| Elite Seeds | 19 235 Avenue St-Louis, Saint-Hyacinthe, QC J2T 5J4 | 450-799-2326 | 450-773-3381 | www.eliteseeds.ca |
| Hensall District Co-op Inc | Box 219, 1 Davidson Drive, Hensall, ON N0M 1X0 | 519-262-3002 | 519-262-3412 | www.hdc.on.ca |
| Huron Commodities Inc. | 79 Wellington St., Clinton, ON N0M 1L0 | 519-482-8400 | 519-482-8383 | www.huron.com |
| Hyland Seeds | P.O. Box 1090, 2 Hyland Dr., Blenheim ON N0P 1A0 | 519-676-8146 | 519-676-6800 | www.hylandseeds.com |
| Land O'Lakes, Inc. | 7 Willi St, Chepstow, ON N0G 1K0 | 519-889-0402 | | Email: csmith@landolakes.com |
| Maizex Seeds Inc. | 4488 Mint Line, RR #2, Tilbury ON N0P 2L0 | 877-682-1720 | 519-682-2144 | www.maizex.com |
| Mike Snobelen Farms Ltd. | Box 29, 323 Havelock St., Lucknow, ON NOG 2H0 | 1-800-582-5669 | 519-528-3542 | www.snobelengroup.com |
| Mycogen Canada | P.O. Box 1060, St. Mary's, ON N4X 1B7 | 1-800-668-4939 | 519-349-2688 | www.dowagro.com/ca |
| Pioneer Hi-Bred Ltd. | Box 730, 7398 Queen's Line, Chatham, ON N7M 5L1 | 1-800-265-9435 | 519-380-2014 | www.Pioneer.com/Canada |
| PRIDE Seeds | P.O. Box 1088, Chatham ON N7M 5L6 | 1-800-265-5280 | 519-354-8155 | www.prideseed.com |
| PRO Seeds | 595570 County Road 59, Woodstock ON N4S 7W1 | 1-888-537-5157 | 519-533-0773 | www.proseeds.ca |
| Prograin | 145 Bas Rivière Nord, St-Césaire, QC J0L 1T0 | 1-800-817-3732 | 450-469-4547 | www.semencesprograin.com |
| SeCan | 400-300 Terry Fox Drive, Kanata, ON K2K 0E3 | 866-797-7874 | 613-592-9497 | www.secan.com |
| Semican Inc. | 1290 Route 116 Ouest, Princeville, QC G6L 4K7 | 819-364-2001 | 819-364-2500 | www.semican.ca |
| Sevita International | 11451 Cameron Road, Inkerman, ON K0E 1J0 | 613-989-5400 | 613-989-2200 | www.sevita.ca |
| SG Ceresco, Inc. | 166, chemin de la Grande-Ligne,, Saint-Urbain-Premier, QC J0S 1Y0 | 450-427-3831 | 450-427-2067 | www.sgceresco.com |
| Southwest Seeds | R.R. # 1, 19686 Scane Rd., Ridgetown, ON N0P 2C0 | 519-674-0054 | 519-674-0388 | Southwest Seeds |
| Synagri | 5175 Boul. Laurier Est, St-Hyacinthe, QC | 450-799-3226 | 450-799-3229 | www.synagri.ca |
| Syngenta Canada, Inc. | 15910 Medway Road, RR #1, Arva, ON NOM 1C0 | 800-756-7333 | 888-717-7122 | www.nkcanada.com |
| Woodrill Ltd. | 7861 Hwy 7 East, RR # 2, Guelph, ON N1H 6H8 | 519-821-1018 | 519-821-5198 | www.woodrill.com |

