DEKALB Agronomist, Rebecca Miller, showing Peter and Martine Rastorfer local DEKALB product performance.

PETER & MARTINE RASTORFER
16 YEARS FARMING, SECOND GENERATION, MONKTON, ON
Weeds outsmart habits, not systems. A diverse crop rotation gives you the opportunity to use different herbicide groups, which helps prevent resistance from developing.

A common theme of resistance includes predictable patterns. Continuously growing the same crop and relying on only one mode of action for weed control can eventually lead to resistance.

Maximize early-season weed removal by including a tank-mix product with your pre-plant or pre-emergence glyphosate application. Consider including a residual product for extended early-season weed control.

Grow at least three different crops in rotation to break cycles of disease, insects and weeds.

**What is another effective mode of action?**

It’s a second herbicide group that you can add to your spray tank with your glyphosate or first herbicide. Make sure both herbicide groups control the most difficult target weed. Tank mixing two or more effective modes of action will help reduce the selection pressure caused by using only one herbicide group.

**OUTSMART YOUR WEEDS IN 3 STEPS**

1. **UNDERSTAND how herbicide resistance develops**

2. **SPICE UP YOUR MIX Add another effective mode of action to the tank**

3. **DIVERSIFY YOUR CROP ROTATION Break the pattern**

**Visit MonsantoCMS.ca for more resistance insight and chemistry recommendations.**

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.**

*Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. Task mixtures: The applicable labeling for each product must be in the possession of the user at the time of application. Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Monsanto has not tested all tank mix product formulations for compatibility or performance other than specifically listed by brand name. Always predetermine the compatibility of tank mixtures by mixing small proportional quantities in advance. Genuity®, Monsanto and Vine Design®, Roundup Ready 2 Yield®, Roundup Ready® and Roundup® are registered trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee. All other trademarks are the property of their respective owners ©2016-2017 Monsanto Canada Inc.*
**22-60RY 000.9 RM 2275 CHU**
- Resistance to Soybean Cyst Nematode
- Very good field tolerance to Phytophthora Root Rot
- Very good Iron Chlorosis tolerance
- Best suited for narrow row widths and higher populations

**23-11RY 000 RM 2300 CHU**
- Very good field tolerance to Phytophthora Root Rot
- Excellent Iron Chlorosis tolerance
- Medium-to-tall variety, well suited to tougher growing conditions
- Performs well on all soil types, in all yield environments

**23-60RY 00.2 RM 2350 CHU**
- Very tall variety which stands well
- Well suited to clay soils
- A proven yield performer over a number of years
- Performs well on all soil types, in all yield environments

**DKB003-29 00.3 RM 2375 CHU**
- Medium-to-tall height, branchy variety
- Resistance to Soybean Cyst Nematode
- Excellent tolerance to White Mould
- Well suited to tough, low productivity growing conditions as well as high yield environments

**24-10RY 00.5 RM 2425 CHU**
- Excellent standability
- Excellent tolerance to White Mould
- Performs best on clay to clay-loam soils, in all yield environments

**DKB0008-39† 000.8 RM 2250 CHU**
- Medium height variety with very good standability
- Excellent emergence and seedling vigor
- Excellent tolerance to White Mould
- Suitable for all soil types and row widths
- Performs best in medium to high yield environments and excels when placed in proper maturity zone

† Not available for 2019 commercial launch
**VARIETIES | PLANT CHARACTERISTICS | SEED CHARACTERISTICS | PRODUCTION CHARACTERISTICS | ROW WIDTH | DISEASE/PEST CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Value Added Trait</th>
<th>Relative Maturity</th>
<th>CHU</th>
<th>Plant Height</th>
<th>Pubescence</th>
<th>Hilium Colour</th>
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<th>Average Seed Per KG</th>
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<th>Emergence</th>
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<th>No-Till Adaptability</th>
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<th>PRR Resistance Gene*</th>
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† Not available for 2019 commercial launch

Data compiled from Monsanto conducted field trials.

**LEGEND**

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<tr>
<th>Plant Height</th>
<th>Pubescence</th>
<th>Rating Scale</th>
<th>Value-Added Trait</th>
<th>Hilium Colour</th>
<th>Soil Type Recommendations</th>
<th>Seed Size Categories</th>
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<tbody>
<tr>
<td>T = Tall</td>
<td>G = Grey</td>
<td>1-2 = Excellent</td>
<td>GENRR2Y = Genuity®</td>
<td>BR = Brown</td>
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</table>

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**NOTES**
24-12RY 00.5 RM 2425 CHU
- Very good standability
- Very good field tolerance to Phytophthora Root Rot
- Well suited to all row widths and soil types
- Performs best in high fertility situations

DKB005-52 00.5 RM 2425 CHU
- Tall height with excellent standability
- Excellent tolerance to White Mould
- Resistance to Soybean Cyst Nematode with an excellent tolerance to Phytophthora Root Rot
- Well suited to all soil types and row widths with an excellent agronomic package

DKB006-29 00.6 RM 2450 CHU
- Medium height, very branchy variety with excellent standability
- Excellent tolerance to White Mould
- Well suited to highly productive loam soils

DKB008-81 00.8 RM 2500 CHU
- Excellent standability and White Mould tolerance
- Very good field tolerance to Phytophthora Root Rot and Iron Chlorosis
- A branchy plant, well suited to all row widths
- Excellent agronomic package
- Will excel in high fertility conditions where White Mould and excessive growth are a concern

25-10RY 00.8 RM 2500 CHU
- Top end yield potential
- Consistent variety that performs well in a range of yield environments
- Excellent emergence and seedling vigour
- Tall, slender plant with excellent standability
- Performs well on all soil types and yield environments

DKB01-11 0.1 RM 2575 CHU
- Resistance to Soybean Cyst Nematode with a very good field tolerance to Phytophthora Root Rot
- Medium plant height with and excellent agronomic package
- Well suited to all soil types and row widths
- Will be well suited to high fertility situations
- Very good tolerance to White Mould
### Legend

<table>
<thead>
<tr>
<th>Plant Height</th>
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<th>Rating Scale</th>
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### NOTES

Data compiled from Monsanto conducted field trials.

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### Soybean AGRONOMIC RATINGS

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<tr>
<th>VARIETIES</th>
<th>PLANT CHARACTERISTICS</th>
<th>SEED CHARACTERISTICS</th>
<th>PRODUCTION CHARACTERISTICS</th>
<th>ROW WIDTH</th>
<th>DISEASE/PEST CHARACTERISTICS</th>
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</table>

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SOYBEAN SEED SELECTIONS

26-10RY 0.4 RM 2650 CHU
- Excellent yield potential with very good stress tolerance
- Suitable for all soil types and yield environments
- Very good tolerance to White Mould
- Excellent standability

DKB06-43 0.6 RM 2700 CHU
- Medium height, branchy variety, with excellent standability
- Resistance to Soybean Cyst Nematode
- Excellent field tolerance to Phytophthora Root Rot
- Very good tolerance to Brown Stem Rot
- Well suited for all soil types and wide rows
- Fits well in no-till systems

DKB06-61 0.6 RM 2700 CHU
- Resistance to Soybean Cyst Nematode
- Very good field tolerance to Phytophthora Root Rot
- Excellent field tolerance to White Mould
- Well suited to all soil types and row widths

DKB03-95 0.3 RM 2625 CHU
- Very tall variety with excellent seedling vigor and emergence
- Very good field tolerance to Phytophthora Root Rot
- Excellent tolerance to Brown Stem Rot
- Will perform in tough growing conditions including no-till situations and heavy clay

26-14RY 0.2 RM 2600 CHU
- Excellent field tolerance to Phytophthora Root Rot
- Well suited to wider rows and heavier soils
- Performs best in no-till, low yield environments
- If growing in conventional tillage situations, keep in row widths above 7’
### AGRONOMIC RATINGS

#### SOYBEAN VARIETIES PLANT CHARACTERISTICS

<table>
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<tr>
<th>VARIETIES</th>
<th>PLANT CHARACTERISTICS</th>
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#### LEGEND

- **Plant Height**
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  - M = Medium
  - S = Short

- **Pubescence**
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  - T = Tawny
  - LT = Light Tawny

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  - 1-2 = Excellent
  - 3-4 = Very Good
  - 5-6 = Good to Average
  - 7-8 = Fair to Poor
  - – = Not available

- **Value-Added Trait**
  - GENRR2Y = Genuity®
  - Roundup Ready 2 Yield®
  - RR2X = Roundup Ready 2X
  - SCN = Soybean Cyst Nematode

- **Hilium Colour**
  - BR = Brown
  - BF = Buff
  - IB = Imperfect Black
  - BL = Black
  - GR = Grey
  - IY = Imperfect Yellow

- **Soil Type**
  - CL-C = Clay Loam, Clay
  - ALL = All soil types
  - SL-CL = Sandy Loam, Loam, Clay Loam

- **Seed Size Categories**
  - L <5500 seeds/kg
  - M 5500-6500 seeds/kg
  - S >6500 seeds/kg

Data compiled from Monsanto conducted field trials.

* = For more information please refer to the legend on the last page of this guide.
### Soybean Seed Selections

#### 27-12RY
- **0.6 RM**
- **2700 CHU**
- Excellent emergence and very good early season vigour
- Excellent tolerance to White Mould
- Excellent stress and disease tolerance
- Fine stemmed plant that branches well
- Good drought tolerance

#### 27-62RY
- **0.8 RM**
- **2750 CHU**
- Excellent emergence and standability
- Excellent field tolerance to Phytophthora Root Rot
- Very good stress tolerance
- Great fit for no-till, keep off loam soils or highly productive fields with history of manure

#### DKB09-91
- **0.9 RM**
- **2775 CHU**
- Resistance to Soybean Cyst Nematode
- Rps 3α gene and excellent field tolerance to Phytophthora Root Rot
- Well suited to wide rows and tougher growing conditions
- Tall, branchy variety best suited to no-till situations

#### 28-15RY
- **1.0 RM**
- **2800 CHU**
- Excellent tolerance to White Mould
- Excellent emergence and standability
- Excellent field tolerance to Phytophthora Root Rot
- Well suited to all soil types and row widths
- Well suited to high yield environments at lower populations

#### DKB10-54
- **1.0 RM**
- **2800 CHU**
- Medium height, branchy variety
- Very good standability
- Excellent field tolerance to Phytophthora Root Rot
- Suitable for all row widths and yield environments

#### 28-60RY
- **1.1 RM**
- **2850 CHU**
- Excellent emergence and early season growth
- Resistance to Soybean Cyst Nematode
- Adaptable variety that moves south well as an early variety
- Performs well at medium to low populations
- Very good choice for no-till
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<th>PLANT CHARACTERISTICS</th>
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**LEGEND**

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- **Rating Scale**
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  - 5-6 = Good to Average
  - 7-8 = Fair to Poor
  - - = Not available

- **Value-Added Trait**
  - GENRR2Y = Genuity®
  - Roundup Ready 2 Yield®
  - RR2X = Roundup Ready 2 Xtend®
  - SCN = Soybean Cyst Nematode

- **Hilium Colour**
  - BR = Brown
  - BF = Buff
  - IB = Imperfect Black
  - BL = Black
  - GR = Grey
  - IY = Imperfect Yellow

- **Soil Type**
  - CL-C = Clay Loam, Clay
  - AL = All soil types
  - SL-CL = Sandy Loam, Clay Loam

- **Seed Size Categories**
  - L <5500 seeds/kg
  - M 5500-6500 seeds/kg
  - S >6500 seeds/kg

* = For more information please refer to the legend on the last page of this guide.
### DKB 12-57
**1.2 RM 2875 CHU**
- Medium height, branchy variety, best suited to wide rows
- Resistance to Soybean Cyst Nematode
- Very good field tolerance to Phytophora Root Rot
- Very good White Mould tolerance
- Suitable for all soil types and agronomic situations

### DKB 14-41
**1.4 RM 2925 CHU**
- Medium height, very robust and branchy variety
- Resistance to Soybean Cyst Nematode, Sudden Death Syndrome and Brown Stem Rot
- Very good field tolerance to Phytophora Root Rot
- Will excel in no-till environments and wide rows

### DKB 17-34
**1.7 RM 3000 CHU**
- Medium height variety, well suited to all soil types and row widths
- Resistance to Soybean Cyst Nematode
- Excellent field tolerance to Phytophora Root Rot
- Very good tolerance to White Mould
- Will perform well in both tough growing conditions as well as productive soils

### DKB 20-01
**2.0 RM 3075 CHU**
- Resistance to Soybean Cyst Nematode
- Rps 1k resistance gene and very good field tolerance to Phytophora Root Rot
- Well suited to heavier soils and no-till situations

### DKB 20-14
**2.0 RM 3075 CHU**
- Tall variety with very good standability
- Excellent seedling vigor and emergence
- Resistance to Soybean Cyst Nematode
- Very good field tolerance to Phytophora Root Rot
- Very good tolerance to Brown Stem Rot
- Suitable for all growing conditions including no-till clay situations

### DKB 21-11
**2.1 RM 3100 CHU**
- Resistance to Soybean Cyst Nematode
- Medium-to-tall plant height and very branchy
- Well suited to all soil types and row widths
- Very good emergence, seedling vigour and standability
- Very good Sudden Death Syndrome and Phytophora Root Rot disease package
## Varieties

<table>
<thead>
<tr>
<th>DEKA® Brand Soybeans</th>
<th>Plant Height</th>
<th>Relative Maturity</th>
<th>CHU</th>
<th>Pubescence</th>
<th>Hilium Colour</th>
<th>Avg. Seed Size Category</th>
<th>Avg. Seed Weight/KG</th>
<th>Standability</th>
<th>Seedling Vigour</th>
<th>No-Till Adaptability</th>
<th>Soil Type</th>
<th>7&quot;</th>
<th>15&quot;</th>
<th>30&quot;</th>
<th>PRR Field Tolerance*</th>
<th>PRR Resistance Gene*</th>
<th>White Mould Tolerance</th>
<th>Brown Stem Rot</th>
<th>Sudden Death Syndrome</th>
<th>Iron Chlorosis</th>
<th>Soybean Cyst Nematode*</th>
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<tr>
<td>DKB 12-57</td>
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<td>DKB 14-41</td>
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<tr>
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<td>3075</td>
<td>T</td>
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<td>5000</td>
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<td>R3</td>
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</tbody>
</table>

### Notes

Data compiled from Monsanto conducted field trials.

## Legend

- **Plant Height**
  - T = Tall
  - M = Medium
  - S = Short

- **Pubescence**
  - G = Grey
  - T = Tawny
  - LT = Light Tawny

- **Rating Scale**
  - 1-2 = Excellent
  - 3-4 = Very Good
  - 5-6 = Good to Average
  - 7-8 = Fair to Poor
  - 9 = Poor
  - - = Not available

- **Value-Added Trait**
  - GENRR2Y = Genity®
  - Roundup Ready 2 Yield®
  - RR2X = Roundup Ready 2 Xtend®
  - SCN = Soybean Cyst Nematode

- **Hilium Colour**
  - BR = Brown
  - BF = Buff
  - IB = Imperfect Black
  - BL = Black
  - GR = Grey
  - IY = Imperfect Yellow

- **Soil Type**
  - CL-C = Clay Loam, Clay

- **Seed Size Categories**
  - L <5500 seeds/kg
  - M 5500-6500 seeds/kg
  - S >6500 seeds/kg

* = For more information please refer to the legend on the last page of this guide.
**SOYBEAN SEED SELECTIONS**

**DKB22-21** 2.2 RM 3125 CHU
- Resistance to Soybean Cyst Nematode
- Rps 1c resistance gene and very good field tolerance to Phytophthora Root Rot
- Excellent standability on all soils
- Excellent White Mould tolerance
- Well suited to highly fertile soils

**DKB22-31** 2.2 RM 3125 CHU
- Medium height variety with excellent standability
- Resistance to Soybean Cyst Nematode
- Excellent tolerance to Sudden Death Syndrome and Brown Stem Rot
- Well suited to wide rows and tougher growing conditions

**DKB24-41** 2.4 RM 3175 CHU
- Medium-to-tall, slender variety that stands well with a very strong fit on clay
- Resistance to Soybean Cyst Nematode
- Rps 1c resistance gene and excellent field tolerance to Phytophthora Root Rot
- Excellent tolerance to Sudden Death Syndrome

**DKB24-97** 2.4 RM 3175 CHU
- Medium-to-tall variety with excellent standability
- Excellent emergence and very good seedling vigor
- Resistance to Soybean Cyst Nematode
- Very good field tolerance to Phytophthora Root Rot
- Very good tolerance to Charcoal Rot and Brown Stem Rot
- Suitable for all agronomic situations including no-till environments

**DKB26-61** 2.6 RM 3225 CHU
- Resistance to Soybean Cyst Nematode
- Tall plant, excellent no-till adaptability
- Well suited to all row widths and soil types
- Excellent disease package; peking resistance source for Soybean Cyst Nematode

**DKB28-81** 2.8 RM 3275 CHU
- Broad acre variety that will fit all soil types and agronomic situations
- Resistance to Soybean Cyst Nematode
- Rps 1c resistance gene and a very good field tolerance to Phytophthora Root Rot
- Excellent tolerance to Sudden Death Syndrome and Brown Stem Rot
- Excellent standability
- Excellent tolerance to White Mould
## AGRONOMIC RATINGS

### Soybean

<table>
<thead>
<tr>
<th>VARIETIES</th>
<th>PLANT CHARACTERISTICS</th>
<th>SEED CHARACTERISTICS</th>
<th>PRODUCTION CHARACTERISTICS</th>
<th>ROW WIDTH</th>
<th>DISEASE/PEST CHARACTERISTICS</th>
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<tbody>
<tr>
<td>DEKALB® Brand Soybeans</td>
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<td>3125 M G IB L 5100</td>
<td>1 2 3 2 SL-CL</td>
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<td>3 2 2 - R1 &amp; R3</td>
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</table>

### LEGEND

- **Plant Height**
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  - 9 = Poor
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- **Value-Added Trait**
  - GENR2Y = Genuity™
  - Roundup Ready 2 Yield®
  - RR2X = Roundup Ready 2 Xtend®
  - SCN = Soybean Cyst Nematode

- **Hilium Colour**
  - BR = Brown
  - BF = Buff
  - IB = Imperfect Black
  - BL = Black
  - GR = Grey
  - IY = Imperfect Yellow

- **Soil Type**
  - CL-C = Clay Loam, Clay
  - ALL = All soil types
  - SL-CL = Sandy Loam, Clay Loam

- **Seed Size Categories**
  - L = <5500 seeds/kg
  - M = 5500-6500 seeds/kg
  - S = >6500 seeds/kg

### NOTES

Data compiled from Monsanto conducted field trials.

* = For more information please refer to the legend on the last page of this guide.
**DKB32-21** 3.2 RM 3375 CHU

- Resistance to Soybean Cyst Nematode
- Tall plant, well suited to all row widths and soil types
- Good disease package
- Full season product that will excel in no-till situations

**DKB33-54** 3.3 RM 3400 CHU

- Medium height variety, suitable for all soil types and yield environments
- Resistance to Soybean Cyst Nematode
- Excellent field tolerance to Phytophthora Root Rot
- Excellent tolerance to Sudden Death Syndrome and Brown Stem Rot
- Excels in very tough growing conditions

---

**NOTES**

<table>
<thead>
<tr>
<th>EMERGENCE</th>
<th>STANDABILITY</th>
<th>PRR FIELD TOLERANCE</th>
<th>WHITE MOULD TOLERANCE</th>
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<tr>
<td>VARIETIES</td>
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<td>SEED CHARACTERISTICS</td>
<td>PRODUCTION CHARACTERISTICS</td>
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<td>DKB33-54</td>
<td>RR2X/SCN</td>
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</table>

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- **Soil Type**
  - CL - C = Clay Loam, Clay
  - ALL = All soil types
  - SL - CL = Sandy Loam, Loam, Clay Loam

- **Seed Size Categories**
  - L <5500 seeds/kg
  - M 5500-6500 seeds/kg
  - S >6500 seeds/kg

* = For more information please refer to the legend on the last page of this guide.

**NOTES**

Data compiled from Monsanto conducted field trials.
Advanced seed treatment technology you can count on.

Acceleron® Seed Applied Solutions for Soybeans:

- Improved early season vigour and stand establishment
- More complete and consistent disease protection
- Unsurpassed insect protection

### HOW THE TECHNOLOGY WORKS

1. Needing nitrogen, the plant releases flavonoids to signal rhizobia.
2. Sensing the flavonoids, the rhizobia signal LCO back to the plant.
3. The plant can respond to the LCO, allowing the rhizobia to infect its roots.
4. This symbiotic relationship creates nodules, which can help fix atmospheric nitrogen.

**Acceleron® Seed Applied Solutions for Soybeans:**

<table>
<thead>
<tr>
<th>Fungicides ONLY</th>
<th>Fungicides + Insecticide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fungicides</td>
<td>Fungicides</td>
</tr>
<tr>
<td>Excellent control of soil and seedborne disease including Rhizoctonia, Pythium, Fusarium, and Phytophthora.</td>
<td>Excellent control of soil and seedborne disease including Rhizoctonia, Pythium, Fusarium, and Phytophthora.</td>
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<tr>
<td>Insecticide</td>
<td></td>
</tr>
<tr>
<td>Protection from early season pests such as bean leaf beetles, soybean aphids, seedcorn maggot, and wireworm.</td>
<td></td>
</tr>
</tbody>
</table>

*Available on all DEKALB soybean varieties*

*Subject to availability. See your DEKALB retailer or visit DEKALB.ca for full availability.

Acceleron® Seed Applied Solutions for soybeans (fungicides only) is a combination of three separate individually registered products, which together contain the active ingredients fluxapyroxad, pyraclostrobin and metalaxyl. Acceleron® Seed Applied Solutions for soybeans (fungicides and insecticide) is a combination of four separate individually registered products, which together contain the active ingredients fluxapyroxad, pyraclostrobin, metalaxyl and imidacloprid.

Biological Solutions with Proven Results.

**Optimize® ST**

For higher yield potential, order your DEKALB® brand soybean seed pre-treated with Optimize ST inoculant. The specially selected *Bradyrhizobium japonicum* inoculant and LCO (lipochitooligosaccharide) technology in Optimize ST help soybean crops by enhancing nutritional availability. Plants benefit from improved nodule formation, increased nitrogen fixation and enhanced nutrient availability to support root and shoot growth.

For your convenience, you have the option to order DEKALB brand soybean seed pre-treated with Optimize ST.

useOptimizeST.ca

---

**Fungicides onl y**

**Fungicides + Insecticide**

**Fungicides**

- Excellent control of soil and seedborne disease including Rhizoctonia, Pythium, Fusarium, and Phytophthora.

**Insecticide**

- Protection from early season pests such as bean leaf beetles, soybean aphids, seedcorn maggot, and wireworm.

*Available on all DEKALB soybean varieties*
More beans per pod, more bushels per acre.

In your soybean fields, the name of the game is yield. Through extensive gene mapping and advanced trait insertion technology, DEKALB® Genuity® Roundup Ready 2 Yield® soybeans deliver outstanding yield potential. It’s the next generation of the Roundup Ready® trait technology you already know and trust.

In addition to this technology, our lineup of DEKALB® soybeans includes varieties with resistance to Soybean Cyst Nematode (SCN), as well as products offering disease tolerance, and strong vigour, emergence and standability.

DEKALB® Genuity® Roundup Ready 2 Yield® Soybeans at a Glance:

- Greater yield potential compared to original Roundup Ready® soybeans
- Incorporates advanced gene mapping that positively impacts yield
- You get more pods per plant, more beans per pod, and more bushels per acre
- A simple, dependable, flexible weed control system with proven crop safety

The DEKALB® brand team knows Roundup Ready 2 Xtend® Soybeans

Roundup Ready 2 Xtend® Soybeans at a Glance:

- Early weed control
- Residual benefit
- System, combined with the newest genetics from DEKALB, delivers higher yield potential

DEKALB® Roundup Ready 2 Xtend® soybeans have the same leading genetics and performance that soybean growers have come to expect from the DEKALB brand. The DEKALB® brand is offering Roundup Ready 2 Xtend® soybean varieties ranging from 000.8 – 3.3 RM; the most products across the greatest range in maturities.

The DEKALB team has been extensively trained on this crop system and, through small-scale and field-scale testing, has the most experience with Roundup Ready 2 Xtend soybean varieties. Call 1-84-GO-DEKALB with any questions you have for our expert agronomy team.

The Roundup Ready® Xtend Crop System is what’s next in weed control technology. Built upon the high yielding trait and flexible weed control of the Genuity® Roundup Ready 2 Yield® system paired with an added herbicide tolerance to dicamba, the Roundup Ready Xtend Crop System is a step forward in soybean technology.

Increased Weed Control = More Potential Bushels per Acre = More Potential Profit per Acre

Want to learn more? Visit cleanfields.ca and genuitytraits.ca for information on the trait platform, the crop system and the DEKALB varieties you can grow on your farm.
THE NEXT STEP IN WEED CONTROL FOR YOUR ROUNDUP READY 2 XTEND® SOYBEANS

Herbicide formulations developed for use in the Roundup Ready® Xtend Crop System

DICAMBA: THE PERFECT PARTNER TO GLYPHOSATE

Monsanto chose dicamba for the Roundup Ready® Xtend Crop System for a number of reasons:

- Dicamba pairs well with glyphosate because of their similar rapid uptake and translocation profiles
- Dicamba offers some residual activity, which helps you start clean and maximize yield potential as part of a complete weed control program
- Dicamba has been shown to improve weed control performance and consistency while controlling tough-to-control weeds

Helps manage weed resistance by controlling glyphosate-resistant weeds

Post-emergence control of glyphosate-resistant Canada fleabane in Roundup Ready 2 Xtend® soybeans. Source: 2015 University of Guelph trials, Ridgetown, ON.

Reduces early weed competition through short-term residual control

Residual control of broadleaf weeds. Picture taken at 14 days after planting. Source: 2015 Monsanto Centre of Xcellence, Oakville, MB.

CHOSE THE BEST OPTION FOR YOUR FIELD AND FARM

The high-yielding Roundup Ready 2 Xtend® soybeans are tolerant to both glyphosate and dicamba.

Choose the chemisty option that is right for you to protect your soybeans from weed pressure and help manage herbicide resistance:

The only low volatility dicamba and glyphosate pre-mix herbicide formulated, for convenience of use.

This low volatility dicamba straight-goods formulation is designed to be tank mixed with the best glyphosate choice for your field: Roundup WeatherMAX® or Roundup Transorb® HC.
### Application Requirements

Proper herbicide application is crucial. Further information for spraying on target and minimizing drift, can be found at: https://www.genuitytraits.ca/en/soybeans/roundup-ready-xtend-crop-system/application-requirements/

### NOTES

<table>
<thead>
<tr>
<th>NOZZLES</th>
<th>WEED HEIGHT</th>
<th>LABEL BUFFER</th>
<th>GROUND SPEEDS</th>
<th>TRIPLE RINSE</th>
<th>BOOM HEIGHT</th>
<th>WIND SPEED</th>
<th>AMMONIUM SULFATE</th>
<th>WATER VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use nozzles and operating pressures that produce Extremely Coarse (XC) to Ultra Coarse (UC) droplets to minimize drift.</td>
<td>Spray weeds less than 10 cm tall.</td>
<td>Maintain the required label buffer to protect sensitive areas.</td>
<td>Make sure ground speed is less than 25 km/h.</td>
<td>Use triple rinse tank clean-out procedure.</td>
<td>Maintain boom height 50 cm above crop canopy to reduce the risk of drift.</td>
<td>Optimal wind speeds for application typically occur between 5 and 15 km/h.</td>
<td>Ammonium sulfate and ammonium-based additives are restricted in applications.</td>
<td>Minimum carrier volume is 10 GPA.</td>
</tr>
</tbody>
</table>

Always read and follow pesticide label directions.
FEEL THE PULSE
OF THE LAND
IN THE PALM
OF YOUR HAND

Uncover insights from your unique field data.
If your acres could talk, what would they say? Now you can hear more clearly what your land is telling you with Climate FieldView™, an integrated digital platform that helps you optimize resources and maximize yield. With simple data collection and storage, easy-to-use digital tools, and science-driven insights, Climate FieldView is your data partner to support the decisions you make every day.

Get started today at ClimateFieldView.ca.

Our services provide estimates or recommendations based on models. These do not guarantee results. Consult your agronomist, commodities broker and other service professionals before making financial, risk management, and farming decisions. Information and recommendations we provide do not modify your rights under insurance policies purchased through our affiliates. More information at http://www.climate.com/disclaimers. iPad® is a registered mark of Apple, Inc. Climate FieldView™ is a trademark of The Climate Corporation. ©2017 The Climate Corporation. All Rights Reserved.
**CORN**

**GR/SU/IS**
The hybrid/herbicide combination can result in plant height reduction, stand loss and suspected yield loss under very adverse environmental conditions, high rates or extreme soil pH levels or organic content. Use of drop nozzle spraying for post-emergence herbicides or planting in warm soils for incorporated herbicides may avoid interactions. Consult your DEKALB dealer for additional information.

**TARGET POPULATION**
Final plant population suggestions are based on medium to high yield environment. In fields with lower yield potential consider targeting slightly lower population. Adjust planting rate to suit individual field conditions.

**HERBICIDE SAFETY**
Ratings are based on observations and research using herbicides at and above labeled rates to simulate extreme environmental conditions, misapplication and adverse soil pH or organic content. Either no adverse effects from the hybrid/herbicide combination were noted or only slight damage could be noted under adverse conditions or herbicide application at higher than label rates.

**SOYBEAN**

**PRR FIELD TOLERANCE**
A rating of the plant survival and health for Phytophthora Root Rot

**PRR RESISTANCE GENE**
Rps 1c denotes resistance to races 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 17, 21, 23, 24, 26, 28, 29, 30, 32, 34, 36, 37 and 38

Rps 1k denotes resistance to races 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 17, 18, 21, 22, 23, 24, 26, 27, 36, 37 and 38

Rps 3a denotes resistances to races 1, 2, 3, 4, 5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29, 31, 32, 33, 34, 35 and 39

**SOYBEAN CYST NEMATODE RESISTANCE**
Susc = Susceptible
R1 = Resistant to Race 1 SCN
R3 = Resistant to Race 3 SCN
MR3 = Moderately resistant to Race 3

**References:**

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Roundup Ready 2 Xtend®, soybeans contain genes that confer tolerance to glyphosate and dicamba. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate, and those containing dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or call the Monsanto technical support line at 1-800-667-4944 for recommended Roundup Ready® Xtend Drop System weed control programs. Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. Acceleron® seed applied solutions for corn (fungicides and insecticide) is a combination of four separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin, and clothianidin. Acceleron® seed applied solutions for corn (fungicides only) is a combination of three separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole and fluoxystrobin. Acceleron® seed applied solutions for soybeans (fungicides and insecticide) is a combination of four separate individually-registered products, which together contain the active ingredients fluazapyroxide, pyraclostrobin, metalaxyl and imidacloprid. Acceleron® seed applied solutions for soybeans (fungicides only) is a combination of three separate individually registered products, which together contain the active ingredients fluazapyroxide, pyraclostrobin and metalaxyl. Acceleron®, DEKALB and Design®, DEKALB®, Genuity and Design®, Genuity®, Monsanto and Vine Design®, Optimize®, RIB Complete and Design®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Transorb®, Roundup WeatherMAX®, Roundup Xtend®, Roundup®, Silage Ready and Design™, Silage Ready™, SmartStax®, VaporGrip®, VT Double PRO®, VT Triple PRO® and XtendiMax® are trademarks of Monsanto Technology LLC, Monsanto Canada Inc. licensee. LibertyLink® and the Water Droplet Design are trademarks of Bayer. Used under license. Herculex® is a registered trademark of Dow AgroSciences LLC. Used under license. Respect the Refuge and Design is a registered trademark of the Canadian Seed Trade Association. Used under license. DuPont™ and Lumivia® are trademarks of E.I. du Pont de Nemours and Company. Used under license. All other trademarks are the property of their respective owners. ©2017 Monsanto Canada Inc.
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