WE DELIVER YIELD

SOIL SPECIFIC SEED SOLUTIONS

ohldeseed.com
Table of Contents

3  From Our Family to Yours
4-5  Know2Grow™
6-25  Corn Characteristics
26-44  Soybean Characteristics
45-46  Grain Sorghum Characteristics
47  Sorghum Sudan Characteristics
48  Forage Characteristics
49  John Deere Financial
From our Family to Yours.

As we prepare for another season, we continue to expand our Soil Specific product lines with new trait technologies engineered to thrive in our regional environment. We have expanded our Know2Grow™ Research Program and now have research plots border-to-border across our sales territory. The continued investment and expansion of our research program ensures we have fully tested our hybrids and varieties in similar soils that are in close proximity to your fields.

We continue to offer our customers all of the latest trait technologies from a single trusted source. We work closely with our trait providers to bring you the latest hybrids and varieties that enable you to knock out resistant weeds.

As you plan for this upcoming crop, our Ohlde Seed Team looks forward to working closely with you to select the ideal hybrids and varieties that will thrive in your soils and yield environment.
From a technology perspective, without a Know2Grow™ Research Program, the value of using auto-steer, variable rate application, field mapping, yield monitoring, or application timing are all greatly diminished if you do not make the right choice first. Rely on the Ohlde Seed Know2Grow™ Program to select a locally researched seed, engineered to thrive in your specific field and soil conditions.
TESTING SITES ARE IN A WIDE RANGE OF ENVIRONMENTS

- Know2Grow™ Plots are strategically placed in a wide range of environments across Kansas into southern Nebraska and northern Oklahoma. This gives Ohlde the advantage by providing the knowledge of each product’s performance in all types of yield environments and field conditions.

STRIP TRIALS VS. REPLICATED TRIALS

- Our competitors are still using strip trials and placing their products over multiple acres potentially running the length of the field. The problem is, through-out every field there is variability that can and will affect yield one way or the other. We believe that a true research program takes a deeper level of commitment. With Know2Grow™, hundreds of hybrids are condensed and replicated through-out the plot to reduce variability, provide consistency, and provide accurate data.

SRES RESEARCH PLANTER

- The Know2Grow™ Program uses the largest research plot planter company in the world. The SRES planter will precisely place the same number of seeds in each test row which contributes to consistency. The planter allows us to test different population rates contributing to finding each hybrid or variety’s ultimate threshold to result in maximum return.

HOW KNOW2GROW™ WILL BENEFIT YOUR FARM?

The Ohlde Seed Know2Grow™ Research Program can help you answer many questions such as:

- Drought Tolerance
- Plant Height
- Emergence
- Seed Treatments
- Product Placement
- Gray Leaf Spot
- Silage Quality
- Goss’s Wilt
- Southern Rust
- Corn after Corn
- Flex vs Determinate
- Ear Height
- Standability
- StayGreen
- Fertilizer Applications
- Population Rates
- SDS Tolerance
- pH Issues
- Phytophthora Root Rot
- STS

With Know2Grow™, the Ohlde Seed sales team can help find solutions to solve your problems in your fields by recommending products that fit your needs and concerns. Know2Grow™ creates field studies of the problems you have to help increase your production.
Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto’s Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

B.t. products may not yet be registered in all states. Check with your representative for the registration status in your state.

IMPORTANT IRM INFORMATION: RIB Complete® corn blend products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. SmartStax® RIB Complete® corn blend is not allowed to be sold for planting in the Cotton-Growing Area. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

DroughtGard® Hybrids with RIB Complete® corn blend the refuge seed may not always contain DroughtGard® Hybrids trait.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready technology contain 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.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower’s fields.

Acceleron®, DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, SmartStax®, Trecepta®, Trecepta® RIB Complete®, VT Double PRO® and VT Triple PRO® are trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners.

“At Ohlde Seed, you have our word, and we have your back.”
# 2020 Soil Specific Seed Varieties

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OUR CORN HYBRIDS

At Ohlde Seed, we pride ourselves in bringing you the latest global trait technologies and delivering them in a hybrid that will excel in the soils on your farming operation.

OHLDE NUMBERING SYSTEM (EXAMPLE)

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</tr>
<tr>
<td>2nd digit = Year of hybrid release (2014)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last 2 digits = Maturity (105 days)</td>
<td></td>
<td></td>
</tr>
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</table>

GROWING REGION

RATINGS

<table>
<thead>
<tr>
<th>9 = POOR</th>
<th>8 = BELOW AVG</th>
<th>7 = AVG</th>
<th>6 = GOOD</th>
<th>5 = EXCELLENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = TALL/HIGH</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9 = SHORT/LOW</th>
<th>8 = BELOW AVG</th>
<th>7 = AVG</th>
<th>6 = GOOD</th>
<th>5 = EXCELLENT</th>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>
**O 28-95**

**KNOW2GROW™ OBSERVATIONS**
- Excellent agronomics for heat and drought stress
- Strong Goss's Wilt tolerance for corn on corn acres
- Medium plant structure with excellent ear placement
- Great yield punch and ability to adapt across environments

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Plant Vigor</td>
<td>2</td>
</tr>
<tr>
<td>Ear Flex</td>
<td>4</td>
</tr>
<tr>
<td>Green Snap</td>
<td>2</td>
</tr>
<tr>
<td>Staygreen</td>
<td>4</td>
</tr>
<tr>
<td>Drydown</td>
<td>2</td>
</tr>
</tbody>
</table>

**PLANT TOLERANCE**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Rating</th>
</tr>
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<tbody>
<tr>
<td>Gray Leaf Spot</td>
<td>2</td>
</tr>
<tr>
<td>Goss's Wilt</td>
<td>2</td>
</tr>
<tr>
<td>Southern Corn Rust</td>
<td>2</td>
</tr>
<tr>
<td>Diplodia Ear Rot</td>
<td>2</td>
</tr>
<tr>
<td>Anthracnose</td>
<td>2</td>
</tr>
</tbody>
</table>

**CROP ROTATIONS**

- **Corn after Corn**: 100%
- **Corn after Wheat**: 100%
- **Corn after Beans**: 85%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 95
- Plant Height: 5
- Ear Height: 5
- Root Strength: 3
- Stalk Strength: 2
- High Yield: 1
- Medium Yield: 2
- Low Yield: 2

**HYBRID ADAPTABILITY**

- Irrigated: Excellent
- High: Great
- Medium: Good
- Low: Excellent

---

**O 88-95**

**KNOW2GROW™ OBSERVATIONS**
- Excellent agronomics for heat and drought stress
- Strong Goss's Wilt tolerance for corn on corn acres
- Medium plant structure with excellent ear placement
- Great yield punch and ability to adapt across environments

**PLANT TRAITS**

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<tbody>
<tr>
<td>Early Plant Vigor</td>
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<tr>
<td>Anthracnose</td>
<td>2</td>
</tr>
</tbody>
</table>

**CROP ROTATIONS**

- **Corn after Corn**: 70%
- **Corn after Wheat**: 100%
- **Corn after Beans**: 100%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 98
- Plant Height: 6
- Ear Height: 5
- Root Strength: 2
- Stalk Strength: 2
- High Yield: 3
- Medium Yield: 2
- Low Yield: 4

**HYBRID ADAPTABILITY**

- Irrigated: Excellent
- High: Great
- Medium: Good
- Low: Excellent

---

**O 28-98**

**KNOW2GROW™ OBSERVATIONS**
- Fast drydown with open husks
- Very good stalks and roots for late season harvest
- Place on rotated acres with average - Goss's Wilt rating
- Shorter plant style with great intactness and good yield potential

**PLANT TRAITS**

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<thead>
<tr>
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<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Plant Vigor</td>
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**CROP ROTATIONS**

- **Corn after Corn**: 70%
- **Corn after Wheat**: 100%
- **Corn after Beans**: 100%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 98
- Plant Height: 6
- Ear Height: 5
- Root Strength: 2
- Stalk Strength: 2
- High Yield: 3
- Medium Yield: 2
- Low Yield: 4

**HYBRID ADAPTABILITY**

- Irrigated: Excellent
- High: Great
- Medium: Good
- Low: Excellent

---
O 28-00 | ViDoublePro

**KNOW2GROW™ OBSERVATIONS**
- Quick out of the ground with excellent emergence scores
- Wide range of adaptation with good flex and high yield potential
- Will handle low populations and stress prone soil types
- Excellent roots ratings with good stalks

**PLANT TRAITS**
- **EARLY PLANT VIGOR** 1
- **EAR FLEX** 2
- **GREEN SNAP** 2
- **STAYGREEN** 1
- **DRYDOWN** 3

**PLANT TOLERANCE**
- **GRAY LEAF SPOT** 2
- **GOSS’S WILT** 2
- **SOUTHERN CORN RUST** 4
- **DIPLODIA EAR ROT** 2
- **ANTHRACNOSE** 4

**CROP ROTATIONS**
- **CORN AFTER CORN** 90%
- **CORN AFTER WHEAT** 100%
- **CORN AFTER BEANS** 85%

**GENERAL CHARACTERISTICS**
- **Maturity (Days)** 100
- **Plant Height** 1
- **Ear Height** 2
- **Root Strength** 1
- **Stalk Strength** 3
- **High Yield** 6
- **Medium Yield** 2
- **Low Yield** 1

**HYBRID ADAPTABILITY**
- Irrigated Excellent
- High Excellent
- Medium Great
- Low Good

---

O 27-01 | ViDoublePro

**KNOW2GROW™ OBSERVATIONS**
- O 27-01 is a versatile product that has excellent stress tolerance with good plant and ear height for dryland harvest ease
- Big flex ears to handle lower populations with excellent stay green, very good roots, and excellent stalks
- Great product that brings stable yields and top end yield punch
- Outstanding early vigor with a quick canopy in the early season

**PLANT TRAITS**
- **EARLY PLANT VIGOR** 1
- **EAR FLEX** 2
- **GREEN SNAP** 1
- **STAYGREEN** 1
- **DRYDOWN** 2

**PLANT TOLERANCE**
- **GRAY LEAF SPOT** 3
- **GOSS’S WILT** 5
- **SOUTHERN CORN RUST** 3
- **DIPLODIA EAR ROT** 3
- **ANTHRACNOSE** 3

**CROP ROTATIONS**
- **CORN AFTER CORN** 90%
- **CORN AFTER WHEAT** 100%
- **CORN AFTER BEANS** 90%

**GENERAL CHARACTERISTICS**
- **Maturity (Days)** 101
- **Plant Height** 2
- **Ear Height** 3
- **Root Strength** 2
- **Stalk Strength** 1
- **High Yield** 6
- **Medium Yield** 3
- **Low Yield** 1

**HYBRID ADAPTABILITY**
- Irrigated Good
- High Good
- Medium Excellent
- Low Excellent
**O 28-04**

**KNOW2GROW™ OBSERVATIONS**

- Medium stature plant that maintains ear height for tough conditions
- Moves south extremely well
- Very good to excellent on Goss’s Wilt
- Excellent top end yield punch under high yielding environments
- Shows great toughness and will work on a wide range of soils

**GENERAL CHARACTERISTICS**

- Maturity (Days) **104**
- Plant Height **5**
- Ear Height **4**
- Root Strength **3**
- Stalk Strength **2**
- High Yield **6**
- Medium Yield **4**
- Low Yield **1**

**HYBRID ADAPTABILITY**

<table>
<thead>
<tr>
<th>Irrigated</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great</td>
<td>Great</td>
<td>Good</td>
<td>Good</td>
</tr>
</tbody>
</table>

**PLANT TRAITS**

- **EARLY PLANT VIGOR**: 1
- **EAR FLEX**: 2
- **GREEN SNAP**: 2
- **STAYGREEN**: 2
- **DRYDOWN**: 1

**PLANT TOLERANCE**

- **GRAY LEAF SPOT**: 2
- **GOSS’S WILT**: 2
- **SOUTHERN CORN RUST**: 3
- **DIPLODIA EAR ROT**: 2
- **ANTHRACNOSE**: 3

**CROP ROTATIONS**

- **CORN AFTER CORN**: 90%
- **CORN AFTER WHEAT**: 100%
- **CORN AFTER BEANS**: 100%
**O 20-05 | Conventional**

**Know2Grow Observations**
- The dryland king when it comes to 130 bushels and less
- Big robust plant style that has excellent stalks and roots with great stay green for late season harvest
- Full ear flex style hybrid that is hard to find in 110 days and less
- Can use this hybrid for dual purpose with high quality feed and tonnage

**Crop Rotations**
- Corn after corn: 100%
- Corn after wheat: 100%
- Corn after beans: 95%

**Plants Traits**
- Early Plant Vigor: 2
- Ear Flex: 1
- Green Snap: 2
- Stay Green: 1
- Drydown: 1

**General Characteristics**
- Maturity (Days): 105
- Plant Height: 2
- Ear Height: 2
- Root Strength: 4
- Stalk Strength: 3
- High Yield: 7
- Medium Yield: 3
- Low Yield: 1

**Hybrid Adaptability**
- Irrigated: High
- Medium
- Low

**Know2Grow Observations**
- Adds depth to the early lineup with a hybrid that has toughness as well as yield punch
- Good stay green and great intactness for fall harvest
- Robust plant style with a medium plant height that gives canopy early
- This hybrid moves well across a wide geography and soil types

**CROP ROTATIONS**
- Corn after corn: 70%
- Corn after wheat: 90%
- Corn after beans: 90%

**Plants Traits**
- Early Plant Vigor: 1
- Ear Flex: 3
- Green Snap: 2
- Stay Green: 2
- Drydown: 3

**General Characteristics**
- Maturity (Days): 105
- Plant Height: 6
- Ear Height: 4
- Root Strength: 4
- Stalk Strength: 2
- High Yield: 3
- Medium Yield: 3
- Low Yield: 2

**Hybrid Adaptability**
- Irrigated: Great
- High
- Medium
- Low

**Plants Tolerance**
- Gray Leaf Spot: 2
- Goss’s Wilt: 2
- Southern Corn Rust: 2
- Diplodia Ear Rot: 2
- Anthracnose: 3

---

**O 24-05 | VT Double PRO**

**Know2Grow Observations**
- Adds depth to the early lineup with a hybrid that has toughness as well as yield punch
- Good stay green and great intactness for fall harvest
- Robust plant style with a medium plant height that gives canopy early
- This hybrid moves well across a wide geography and soil types

**Crop Rotations**
- Corn after corn: 70%
- Corn after wheat: 90%
- Corn after beans: 90%

**Plants Traits**
- Early Plant Vigor: 1
- Ear Flex: 3
- Green Snap: 2
- Stay Green: 2
- Drydown: 3

**General Characteristics**
- Maturity (Days): 105
- Plant Height: 6
- Ear Height: 4
- Root Strength: 4
- Stalk Strength: 2
- High Yield: 3
- Medium Yield: 3
- Low Yield: 2

**Hybrid Adaptability**
- Irrigated: Great
- High
- Medium
- Low
**O 88-05**

**OHLDE SEED FARMS**

**KNOW2GROW™ OBSERVATIONS**

- This SmartStax® version brings excellent top-end yield potential
- Excellent Goss’s Wilt ratings
- Great choice for Kansas and Nebraska irrigated acres
- Very good Green Snap ratings and disease package
- Deep, heavy kernels with excellent grain quality

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>EARLY PLANT VIGOR</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAR FLEX</td>
<td>5</td>
</tr>
<tr>
<td>GREEN SNAP</td>
<td>2</td>
</tr>
<tr>
<td>STAYGREEN</td>
<td>2</td>
</tr>
<tr>
<td>DRYDOWN</td>
<td>1</td>
</tr>
</tbody>
</table>

**PLANT TOLERANCE**

<table>
<thead>
<tr>
<th>GRAY LEAF SPOT</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOSS’S WILT</td>
<td>2</td>
</tr>
<tr>
<td>SOUTHERN CORN RUST</td>
<td>3</td>
</tr>
<tr>
<td>DIPLODIA EAR ROT - N/A</td>
<td>3</td>
</tr>
<tr>
<td>ANTHRACNOSE</td>
<td>6</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**

- Maturity (Days) 105
- Plant Height 3
- Ear Height 3
- Root Strength 2
- Stalk Strength 2
- High Yield 1
- Medium Yield 2
- Low Yield 4

**hybrid adaptability**

Irrigated
- Excellent
- High
- Great
- Medium
- Good

**CROP ROTATIONS**

- Corn After Corn 100%
- Corn After Wheat 90%
- Corn After Beans 90%

---

**O 28-05**

**OHLDE SEED FARMS**

**KNOW2GROW™ OBSERVATIONS**

- 106-day hybrid that brings us more depth in our 105-108 hybrid portfolio
- Medium plant height that has excellent top end yield potential under irrigation but yield stability under tough conditions
- Excellent early season vigor for outstanding out of the ground performance
- Great early season hybrid with great drydown for early harvest

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>EARLY PLANT VIGOR</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAR FLEX</td>
<td>2</td>
</tr>
<tr>
<td>GREEN SNAP</td>
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</tr>
<tr>
<td>STAYGREEN</td>
<td>5</td>
</tr>
<tr>
<td>DRYDOWN</td>
<td>1</td>
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</table>

**PLANT TOLERANCE**

<table>
<thead>
<tr>
<th>GRAY LEAF SPOT</th>
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<tbody>
<tr>
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<td>3</td>
</tr>
<tr>
<td>ANTHRACNOSE</td>
<td>6</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**

- Maturity (Days) 106
- Plant Height 5
- Ear Height 5
- Root Strength 5
- Stalk Strength 3
- High Yield 1
- Medium Yield 4
- Low Yield 6

**hybrid adaptability**

Irrigated
- Excellent
- High
- Great
- Medium
- Good

**CROP ROTATIONS**

- Corn After Corn 100%
- Corn After Wheat 90%
- Corn After Beans 90%
O 20-07

**KNOW2GROW™ OBSERVATIONS**
- New 107-day product that brings yield stability with excellent yields and a wide adaptability
- Excellent stalks and roots to ensure late season harvest
- Semi-Flex ears to handle moderate populations without sacrificing yield punch
- Excellent Green Snap ratings with very good Goss's Wilt resistance

**PLANT TRAITS**

<table>
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<tr>
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<tr>
<th>Problems</th>
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</table>

**CROP ROTATIONS**

- **CORN AFTER CORN**: 50%
- **CORN AFTER WHEAT**: 90%
- **CORN AFTER BEANS**: 100%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 107
- Plant Height: 5
- Ear Height: 5
- Root Strength: 1
- Stalk Strength: 2
- High Yield: 7
- Medium Yield: 8
- Low Yield: 8

**HYBRID ADAPTABILITY**

- Irrigated: High
- Medium
- Low

**O 28-08**

**KNOW2GROW™ OBSERVATIONS**
- Taller plant height with excellent ear placement for dryland production and harvest ease
- Excellent Goss's Wilt and stay green for late season intactness
- Stable and consistent yields in stress prone areas
- Moves south extremely well to handle heat stress
- Great choice as a dual purpose hybrid (DairyReady)

**PLANT TRAITS**

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**CROP ROTATIONS**

- **CORN AFTER CORN**: 50%
- **CORN AFTER WHEAT**: 80%
- **CORN AFTER BEANS**: 100%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 108
- Plant Height: 3
- Ear Height: 3
- Root Strength: 1
- Stalk Strength: 2
- High Yield: 7
- Medium Yield: 3
- Low Yield: 1

**HYBRID ADAPTABILITY**

- Irrigated: High
- Medium
- Low
**O 25-09 | VTDoublePRO**

**KNOW2GROW™ OBSERVATIONS**
- This hybrid is quickly becoming known as one of the best hybrids in the 107 to 109-day maturity
- Outstanding heat and drought stress tolerance
- Great top end yield punch to run with the full season hybrids
- Solid stalks and roots with late season intactness to ensure harvest ease

**CROP ROTATIONS**
- **CORN AFTER CORN**: 70%
- **CORN AFTER WHEAT**: 100%
- **CORN AFTER BEANS**: 100%

**O 85-09 | SmartStax**

**KNOW2GROW™ OBSERVATIONS**
- Impressive hybrid with big flex and top end yield potential across a wide range of yield environments
- Responds extremely well to fungicide and high management
- Very good stalk and root strength

**CROP ROTATIONS**
- **CORN AFTER CORN**: 80%
- **CORN AFTER WHEAT**: 80%
- **CORN AFTER BEANS**: 90%

**O 28-11 | VTDoublePRO**

**KNOW2GROW™ OBSERVATIONS**
- This hybrid is quickly becoming known as one of the best hybrids in the 107 to 109-day maturity
- Outstanding heat and drought stress tolerance
- Great top end yield punch to run with the full season hybrids
- Solid stalks and roots with late season intactness to ensure harvest ease

**CROP ROTATIONS**
- **CORN AFTER CORN**: 80%
- **CORN AFTER WHEAT**: 80%
- **CORN AFTER BEANS**: 90%
O 27-12

**KNOW2GROW™ OBSERVATIONS**

- A unique set of genetics with high end yield potential with very good stalk and root ratings
- This hybrid likes higher plant populations to perform at its top end
- Excellent drydown and Goss's Wilt
- This hybrid is exciting and is one to watch for 2020
- Best performance in Nebraska

**PLANT TRAITS**

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<td>Drydown</td>
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</tr>
</tbody>
</table>

| Maturity (Days)    | 112    |
| Plant Height       | 4      |
| Ear Height         | 5      |
| Root Strength      | 2      |
| Stalk Strength     | 2      |
| High Yield         | 1      |
| Medium Yield       | 3      |
| Low Yield          | 8      |

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</tr>
<tr>
<td>Diplodia Ear Rot</td>
<td>2</td>
</tr>
<tr>
<td>Anthracnose</td>
<td>4</td>
</tr>
</tbody>
</table>

**CROP ROTATIONS**

- Corn After Corn: 90%
- Corn After Wheat: 70%
- Corn After Beans: 95%

O 28-12

**KNOW2GROW™ OBSERVATIONS**

- Very good stalks and roots for late season harvest
- Semi flex ear with excellent test weight
- Responds to higher management
- We see this hybrid as a broad acre type hybrid that will fit most yield environments
- Good drought stress tolerance but excellent top end yield punch
- We think this hybrid will be a dominant product

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Plant Vigor</td>
<td>2</td>
</tr>
<tr>
<td>Ear Flex</td>
<td>3</td>
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<tr>
<td>Green Snap</td>
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</tr>
<tr>
<td>Staygreen</td>
<td>4</td>
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<tr>
<td>Drydown</td>
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**PLANT TOLERANCE**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Rating</th>
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<tbody>
<tr>
<td>Gray Leaf Spot</td>
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<tr>
<td>Goss's Wilt</td>
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</tr>
<tr>
<td>Southern Corn Rust</td>
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<td>Diplodia Ear Rot</td>
<td>3</td>
</tr>
<tr>
<td>Anthracnose</td>
<td>2</td>
</tr>
</tbody>
</table>

**CROP ROTATIONS**

- Corn After Corn: 50%
- Corn After Wheat: 90%
- Corn After Beans: 90%

**HYBRID ADAPTABILITY**

- Irrigated
  - Excellent
    - High
    - Medium
    - Low
- Great
  - High
  - Medium
  - Low
- Good
  - High
  - Medium
  - Low
- Not Recommended
  - High
  - Medium
  - Low

**GENERAL CHARACTERISTICS**

- Maturity (Days): 112
- Plant Height: 3
- Ear Height: 3
- Root Strength: 2
- Stalk Strength: 3
- High Yield: 2
- Medium Yield: 2
- Low Yield: 3
O 88-12

KNOW2GROW™ OBSERVATIONS

- Responds best at higher populations
- Attractive hybrid with excellent stalks and roots
- Very good Goss’s Wilt tolerance that helps ensure top end potential for corn-on-corn
- Outstanding performance over the past two seasons as one of the top performing hybrid in Know2Grow™ research plots

PLANT TRAITS

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
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</thead>
<tbody>
<tr>
<td>Early Plant Vigor</td>
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<tr>
<td>Ear Flex</td>
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<td>Staygreen</td>
<td>3</td>
</tr>
<tr>
<td>Drydown</td>
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</tr>
</tbody>
</table>

CROP ROTATIONS

- Corn After Corn: 100%
- Corn After Wheat: 80%
- Corn After Beans: 90%

O 97-12

KNOW2GROW™ OBSERVATIONS

- We bring this conventional hybrid with top end yield potential
- O 97-12 will bring excellent drydown and very good toughness
- We see this hybrid working under irrigation, but hold the populations back
- Great option to help manage input costs especially under limited water situations

PLANT TRAITS

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
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<tbody>
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<td>Staygreen</td>
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<tr>
<td>Drydown</td>
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</tr>
</tbody>
</table>

CROP ROTATIONS

- Corn After Corn: 50%
- Corn After Wheat: 80%
- Corn After Beans: 90%
O 28-13

KNOW2GROW™ OBSERVATIONS

- Big time flex ears and excellent grain quality
- Outstanding performance across all yield environments
- Best performance at moderate to low populations
- Handles heat and drought stress
- We see this hybrid working on tough dryland acres and keep at moderate populations under high yield environments

<table>
<thead>
<tr>
<th>PLANT TRAITS</th>
<th>EARLY PLANT VIGOR</th>
<th>EAR FLEX</th>
<th>GREEN SNAP</th>
<th>STAYGREEN</th>
<th>DRYDOWN</th>
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<table>
<thead>
<tr>
<th>PLANT TOLERANCE</th>
<th>GRAY LEAF SPOT</th>
<th>GOSS’S WILT</th>
<th>SOUTHERN CORN RUST</th>
<th>DIPLODIA EAR ROT</th>
<th>ANTHRACNOSE</th>
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<tr>
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<table>
<thead>
<tr>
<th>HYBRID ADAPTABILITY</th>
<th>Irrigated</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
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<table>
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<tr>
<th>CROP ROTATIONS</th>
<th>CORN AFTER CORN</th>
<th>CORN AFTER WHEAT</th>
<th>CORN AFTER BEANS</th>
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<tbody>
<tr>
<td></td>
<td>50%</td>
<td>75%</td>
<td>95%</td>
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</table>

O 20-14

KNOW2GROW™ OBSERVATIONS

- New 114-day hybrid with big time flex for the moderate to low yielding environments
- Handles tough dryland acres but can bring big time yields in the right conditions
- Excellent silage product for top quality and excellent tonnage
- Keep this hybrid at moderate populations and let the ear flex work

<table>
<thead>
<tr>
<th>PLANT TRAITS</th>
<th>EARLY PLANT VIGOR</th>
<th>EAR FLEX</th>
<th>GREEN SNAP</th>
<th>STAYGREEN</th>
<th>DRYDOWN</th>
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<thead>
<tr>
<th>PLANT TOLERANCE</th>
<th>GRAY LEAF SPOT</th>
<th>GOSS’S WILT</th>
<th>SOUTHERN CORN RUST</th>
<th>DIPLODIA EAR ROT</th>
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<table>
<thead>
<tr>
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<th>CORN AFTER CORN</th>
<th>CORN AFTER WHEAT</th>
<th>CORN AFTER BEANS</th>
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<tbody>
<tr>
<td></td>
<td>40%</td>
<td>85%</td>
<td>95%</td>
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</tbody>
</table>
**OHLDE SEED FARMS**

**O 24-14**

**KNOW2GROW™ OBSERVATIONS**

- Very good Goss's Wilt tolerance
- Tall hybrid with medium-high ear placement
- Big time yields under high yield environments
- Tough hybrid with consistent ears under stress
- Excellent silage product for quality and tonnage
- Must manage southern rust if present
- This has been an Ohlde go-to product

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>EARLY PLANT VIGOR</th>
<th>1</th>
</tr>
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<tbody>
<tr>
<td>EAR FLEX</td>
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</tr>
<tr>
<td>STAYGREEN</td>
<td>2</td>
</tr>
<tr>
<td>DRYDOWN</td>
<td>3</td>
</tr>
</tbody>
</table>

**PLANT TOLERANCE**

| GRAY LEAF SPOT   | 4 |
| GOSS'S WILT      | 2 |
| SOUTHERN CORN RUST | 6 |
| DIPLODIA EAR ROT | 7 |
| ANTHRACNOSE      | 5 |

**GENERAL CHARACTERISTICS**

- Maturity (Days): 114
- Plant Height: 3
- Ear Height: 2
- Root Strength: 4
- Stalk Strength: 6
- High Yield: 1
- Medium Yield: 2
- Low Yield: 3

**HYBRID ADAPTABILITY**

- Irrigated: Excellent
- High: Excellent
- Medium: Great
- Low: Excellent

**CROP ROTATIONS**

- **CORN AFTER CORN**: 95%
- **CORN AFTER WHEAT**: 100%
- **CORN AFTER BEANS**: 85%

**O 28-14**

**KNOW2GROW™ OBSERVATIONS**

- Dominated Ohlde Know2Grow™ Plots across all yield environments
- Outstanding yield, excellent stalks, roots, Stay Green, and disease package make this hybrid a shining star in our lineup
- Great option for Ohlde DairyReady™ as a silage option
- Big Robust plant style with outstanding ear flex
- This is a must plant hybrid!

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>EARLY PLANT VIGOR</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAR FLEX</td>
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</tr>
<tr>
<td>GREEN SNAP</td>
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<td>STAYGREEN</td>
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<tr>
<td>DRYDOWN</td>
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</tbody>
</table>

**PLANT TOLERANCE**

| GRAY LEAF SPOT   | 2 |
| GOSS'S WILT      | 1 |
| SOUTHERN CORN RUST | 1 |
| DIPLODIA EAR ROT | 3 |
| ANTHRACNOSE      | 3 |

**GENERAL CHARACTERISTICS**

- Maturity (Days): 114
- Plant Height: 3
- Ear Height: 3
- Root Strength: 1
- Stalk Strength: 2
- High Yield: 1
- Medium Yield: 1
- Low Yield: 3

**HYBRID ADAPTABILITY**

- Irrigated: Excellent
- High: Excellent
- Medium: Great
- Low: Excellent

**CROP ROTATIONS**

- **CORN AFTER CORN**: 90%
- **CORN AFTER WHEAT**: 100%
- **CORN AFTER BEANS**: 90%
**O 29-14**

**KNOW2GROW™ OBSERVATIONS**
- Quick out of the ground with very good stalks and roots that ensures late season harvest
- Excellent performance in 160+ dryland and irrigated environments
- Big flex ears with heavy grain that gives the plant top end performance in moderate populations
- Best performance in your loams and better yield environments

<table>
<thead>
<tr>
<th>PLANT TRAITS</th>
<th>EARLY PLANT VIGOR</th>
<th>EAR FLEX</th>
<th>GREEN SNAP</th>
<th>STAYGREEN</th>
<th>DRYDOWN</th>
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</tr>
<tr>
<td>DIPLODIA EAR ROT</td>
</tr>
<tr>
<td>ANTHRACNOSE</td>
</tr>
</tbody>
</table>

**CROP ROTATIONS**
- **CORN AFTER CORN**: 90%
- **CORN AFTER WHEAT**: 100%
- **CORN AFTER BEANS**: 90%

**GENERAL CHARACTERISTICS**
- Maturity (Days): 114
- Plant Height: 4
- Ear Height: 4
- Root Strength: 2
- Stalk Strength: 2
- High Yield: 1
- Medium Yield: 1
- Low Yield: 5

**HYBRID ADAPTABILITY**
- Irrigated:
  - High: Excellent
  - Medium: Great
  - Low: Good

**O 97-14**

**KNOW2GROW™ OBSERVATIONS**
- This hybrid brings big ear flex and versatility for dual purpose potential as a silage option with excellent quality
- Stable yields and can handle big yields at moderate populations
- Above average stalks but needs to be managed for a delayed harvest

<table>
<thead>
<tr>
<th>PLANT TRAITS</th>
<th>EARLY PLANT VIGOR</th>
<th>EAR FLEX</th>
<th>GREEN SNAP</th>
<th>STAYGREEN</th>
<th>DRYDOWN</th>
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<thead>
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<tbody>
<tr>
<td>GRAY LEAF SPOT</td>
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<tr>
<td>GOSS'S WILT</td>
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<tr>
<td>SOUTHERN CORN RUST</td>
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<tr>
<td>DIPLODIA EAR ROT - N/A</td>
</tr>
<tr>
<td>ANTHRACNOSE - N/A</td>
</tr>
</tbody>
</table>

**CROP ROTATIONS**
- **CORN AFTER CORN**: 50%
- **CORN AFTER WHEAT**: 90%
- **CORN AFTER BEANS**: 85%

**GENERAL CHARACTERISTICS**
- Maturity (Days): 114
- Plant Height: 2
- Ear Height: 2
- Root Strength: 2
- Stalk Strength: 6
- High Yield: 1
- Medium Yield: 2
- Low Yield: 5

**HYBRID ADAPTABILITY**
- Irrigated:
  - High: Great
  - Medium: Excellent
  - Low: Good

**CONVENTIONAL**
This conventional product brings an excellent dual purpose product that handles heat and stress but doesn’t sacrifice yield on the top end.

Excellent Stay Green to stay intact for late season harvest and good disease package.

Will work well in a broad range of yield environments with a big robust plant style and excellent ear placement.

Very good early vigor to get out of the ground and going.

High yielding hybrid with good drought tolerance and heat tolerance.

Very good stalks and disease package to ensure late season intactness.

High quality with good test weight.

Compliments the Ohlde line up with another outstanding hybrid.

Excellent ear flex for moderate populations under tough soils.

KNOW2GROW™ OBSERVATIONS

KNOW2GROW™ OBSERVATIONS

O 98-14

O 26-15

PLANT TRAITS

PLANT TRAITS

EARLY PLANT VIGOR

EARLY PLANT VIGOR

EAR FLEX

1

EAR FLEX

GREEN SNAP

GREEN SNAP

STAYGREEN

STAYGREEN

DRYDOWN

DRYDOWN

Maturity (Days) 114

Maturity (Days) 115

Plant Height 2

Plant Height 3

Ear Height 2

Ear Height 2

Root Strength 3

Root Strength 2

Stalk Strength 3

Stalk Strength 2

High Yield 3

High Yield 2

Medium Yield 3

Medium Yield 1

Low Yield 2

Low Yield 3

HYBRID ADAPTABILITY

HYBRID ADAPTABILITY

CROP ROTATIONS

CROP ROTATIONS

CORN AFTER CORN

CORN AFTER CORN

CORN AFTER WHEAT

CORN AFTER WHEAT

CORN AFTER BEANS

CORN AFTER BEANS

70%

90%

85%

88%

95%

90%
**O 98-15 | CONVENTIONAL**

**KNOW2GROW™ OBSERVATIONS**
- Big robust plant with high ear placement; caution under high yield environments
- Big time flex that can be used as a dual purpose hybrid
- Handles moderate and lower populations extremely well
- Good overall disease package and Goss's Wilt rating

**PLANT TRAITS**
- **EARLY PLANT VIGOR**: 1
- **EAR FLEX**: 3
- **GREEN SNAP**: 2
- **STAYGREEN**: 1
- **DRYDOWN**: 2

<table>
<thead>
<tr>
<th>Trait</th>
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</table>

**PLANT TOLERANCE**
- **GRAY LEAF SPOT**: 3
- **GOSS’S WILT**: 2
- **SOUTHERN CORN RUST**: 2
- **DIPLODIA EAR ROT**: 2
- **ANTHRACNOSE**: 2

<table>
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<tr>
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<td>Gray Leaf Spot</td>
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<td>Goss’s Wilt</td>
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<td>Diplodia Ear Rot</td>
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</table>

**GENERAL CHARACTERISTICS**
- **Maturity (Days)**: 115
- **Plant Height**: 2
- **Ear Height**: 2
- **Root Strength**: 2
- **Stalk Strength**: 1
- **High Yield**: 3
- **Medium Yield**: 2
- **Low Yield**: 2

**HYBRID ADAPTABILITY**
- Irrigated: High
- Medium
- Low

**CROP ROTATIONS**
- **CORN AFTER CORN**: 90%
- **CORN AFTER WHEAT**: 100%
- **CORN AFTER BEANS**: 85%

---

**O 20-16 | Trecepta™**

**KNOW2GROW™ OBSERVATIONS**
- New Trecepta line brings in added pest protection for in season control
- Big Flex ears that handle moderate to low populations
- This hybrid will excel under the marginal yield environments where toughness counts
- Great late season intactness and standability

**PLANT TRAITS**
- **EARLY PLANT VIGOR**: 2
- **EAR FLEX**: 2
- **GREEN SNAP**: 3
- **STAYGREEN**: 3
- **DRYDOWN**: 4

<table>
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<td>Green Snap</td>
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</table>

**PLANT TOLERANCE**
- **GRAY LEAF SPOT**: 4
- **GOSS’S WILT**: 6
- **SOUTHERN CORN RUST**: N/A
- **DIPLODIA EAR ROT**: 4
- **ANTHRACNOSE**: 3

<table>
<thead>
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<th>9</th>
<th>8</th>
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<th>5</th>
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<tbody>
<tr>
<td>Gray Leaf Spot</td>
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<tr>
<td>Goss’s Wilt</td>
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**GENERAL CHARACTERISTICS**
- **Maturity (Days)**: 116
- **Plant Height**: 3
- **Ear Height**: 3
- **Root Strength**: 3
- **Stalk Strength**: 2
- **High Yield**: 6
- **Medium Yield**: 3
- **Low Yield**: 2

**HYBRID ADAPTABILITY**
- Irrigated: High
- Medium
- Excellent

**CROP ROTATIONS**
- **CORN AFTER CORN**: 30%
- **CORN AFTER WHEAT**: 90%
- **CORN AFTER BEANS**: 90%
**O 29-16**

**KNOW2GROW™ OBSERVATIONS**

- #1 hybrid in our 2019 Know2Grow™ research program in all environments
- Great defensive corn with stay green and late season intactness
- Big robust plant style
- Excellent ratings on green snap with strong stalks and roots
- Outstanding hybrid that you need to try in 2020. Available in both VT2 and SmartStax

**GENERAL CHARACTERISTICS**

- Maturity (Days): 116
- Plant Height: 1
- Ear Height: 2
- Root Strength: 1
- Stalk Strength: 1
- High Yield: 1
- Medium Yield: 3
- Low Yield: 3

**PLANT TOLERANCE**

- Gray Leaf Spot: 3
- Goss’s Wilt: 1
- Southern Corn Rust: 5
- Diplodia Ear Rot: 3
- Anthracnose: 2

**CROP ROTATIONS**

- Corn AfterCorn: 90%
- Corn After Wheat: 80%
- Corn After Beans: 90%

**O 27-16**

**KNOW2GROW™ OBSERVATIONS**

- We see this hybrid as our potential O 24-14 replacement, it has been that good in testing
- O 27-16 is a versatile product with excellent disease ratings and agronomic traits
- Top end yield punch with yield stability across yield environments
- Reminds us of O 24-14 when it first came out

**GENERAL CHARACTERISTICS**

- Maturity (Days): 116
- Plant Height: 2
- Ear Height: 3
- Root Strength: 1
- Stalk Strength: 1
- High Yield: 2
- Medium Yield: 2
- Low Yield: 5

**PLANT TOLERANCE**

- Gray Leaf Spot: 2
- Goss’s Wilt: 1
- Southern Corn Rust: 3
- Diplodia Ear Rot: 3
- Anthracnose: 2

**CROP ROTATIONS**

- Corn After Corn: 70%
- Corn After Wheat: 80%
- Corn After Beans: 90%
**O 88-16**

**KNOW2GROW™ OBSERVATIONS**
- Robust plant type with excellent standability that is very impressive everywhere we take it
- High yield hybrid with excellent defensive package
- Very good grain quality with great test weights and big deep kernels
- Handles multiple soil types and has been outstanding in the past three years testing

### GENERAL CHARACTERISTICS

<table>
<thead>
<tr>
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<th>Value</th>
</tr>
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<tbody>
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<tr>
<td>Medium Yield</td>
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<tr>
<td>Low Yield</td>
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### HYBRID ADAPTABILITY

- Irrigated: Excellent, Excellent, Good
- Medium: Excellent, Good
- Low: Excellent

### PLANT TRAITS

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>Staygreen</td>
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<td>Drought</td>
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### PLANT TOLERANCE

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### CROP ROTATIONS

<table>
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<tr>
<td>Corn After Wheat</td>
<td>90%</td>
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<tr>
<td>Corn After Beans</td>
<td>95%</td>
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**O 28-17**

**KNOW2GROW™ OBSERVATIONS**
- Excellent test weight for possible food grade corn
- Excellent stalks and roots for late season intactness and harvest needs
- Semi-Flex ear with the ability to work at moderate populations and still give the top end yield punch
- We really like the potential of this hybrid to work across a wide geography
- Best performance 130-220 bushel yield environments

### GENERAL CHARACTERISTICS

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<tr>
<td>High Yield</td>
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<td>Medium Yield</td>
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<tr>
<td>Low Yield</td>
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### HYBRID ADAPTABILITY

- Irrigated: Good, Excellent, Good
- Medium: Excellent, Good
- Low: Excellent

### PLANT TRAITS

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Early Plant Vigor</td>
<td>2</td>
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<td>Ear Flex</td>
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<td>Green Snap</td>
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<tr>
<td>Staygreen</td>
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<tr>
<td>Drought</td>
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### PLANT TOLERANCE

<table>
<thead>
<tr>
<th>Disease</th>
<th>Value</th>
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<tr>
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<td>Diplodia Ear Rot</td>
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<td>Anthracose</td>
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### CROP ROTATIONS

<table>
<thead>
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<tbody>
<tr>
<td>Corn After Corn</td>
<td>100%</td>
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<tr>
<td>Corn After Wheat</td>
<td>90%</td>
</tr>
<tr>
<td>Corn After Beans</td>
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</tr>
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</table>
“We focus on delivering **soil specific varieties** for the soils in your operation.”
“We take a hands on approach to **ensure excellent quality** in every bag of seed we deliver.”
### 2020 Soil Specific Seed Varieties

**OHLDE SOYBEAN CHARACTERISTICS**

<table>
<thead>
<tr>
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<td>T</td>
<td>4</td>
<td>All</td>
</tr>
</tbody>
</table>

**PLANT STYLE:**
- N = Narrow
- I = Intermediate
- MT = Medium Tall
- T = Tall

**PLANT HEIGHT:**
- M = Medium
- MT = Medium Tall
- T = Tall

**TECHNOLOGY:**
- RR2 = Genuity® Roundup Ready 2 Yield®
- RR2 Xtend = Roundup Ready 2 Xtend®
- GT27/LL = Glyphosate Tolerant & LibertyLink
- Excluder = Salt Excluder
- STS = Sulfonyleurea Tolerant Soybean
- LL = LibertyLink

**SCN Tolerance:**
- R = Resistant
- MR = Moderately Resistant
Seed containing a patented trait can only be used to plant a single commercial crop from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to Genuity® Roundup Ready 2 Yield® soybeans, and Roundup Ready 2 Xtend® soybeans. Additional information and limitations on the use of these products are provided in the Monsanto Technology Stewardship Agreement, the Monsanto Technology Use Guide, and 2018 Technology Use Guide Addendum to include Roundup Ready 2 Xtend® Soybean. U.S. patents for Monsanto technologies can be found at the following webpage: http://www.monsantotechnology.com

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto’s Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW DIRECTIONS FOR USE ON PESTICIDE LABELING. IT IS A VIOLATION OF FEDERAL AND STATE LAW to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans.

Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your seed brand dealer or refer to the Technology Use Guide for recommended weed control programs.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

**Roundup**® Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, and Roundup Ready® are trademarks of Bayer Group.

Trademark and legal

**Enlist E3** is a trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow. Enlist E3 soybeans were jointly developed by Dow AgroSciences and MS Technologies.  
**®™Colex-D, Enlist, Enlist Duo, Enlist One, Enlist E3 and the Enlist Logos are trademarks of The Dow Chemical Company (“Dow”) or E. I. du Pont de Nemours and Company (“DuPont”) or affiliated companies of Dow or DuPont. The Enlist™ weed control system is owned and developed by Dow AgroSciences LLC. Enlist E3 soybeans were jointly developed by Dow AgroSciences and MS Technologies. Enlist Duo and Enlist One herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One herbicides are the only 2,4-D products authorized for use in Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions.

©2019 Ohlde Seed Farms
Throughout our large territory, Ohlde Seed Farms has built a reputation on having the latest genetics and trait technologies available to their valued customers. The Enlist™ weed control system through the Field Forward™ program for Enlist soybeans is no exception. We have a full line-up of Enlist varieties that give producers another solid option when it comes to a comprehensive weed control program.
**O 2030E**

**Rel. Maturity: 3**

**Know2Grow™ OBSERVATIONS**
- Medium tall variety with excellent standability for those high yield environments
- Excellent overall disease package - PRR, SDS, IDC, and BSR
- Displays good stress tolerance
- Great choice if maturity fits

**PLANT TRAITS**

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<tr>
<th>Trait</th>
<th>Level</th>
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<tbody>
<tr>
<td>Emergence</td>
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<tr>
<td>Height</td>
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**DISEASE TOLERANCE**

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<td>Frogeye Leaf Spot - N/A</td>
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<td>SDS</td>
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</table>

**GENERAL CHARACTERISTICS**

- Maturity (Days) 3
- Plant Height: Medium Tall
- Canopy Type: Intermediate
- Soil Type: All

**TRAIT TECHNOLOGY**

- Enlist E3

**RECOMMENDED YIELD ENVIRONMENTS**

- **High Yield:** 90%
- **Medium Yield:** 100%
- **Low Yield:** 60%

**O 2032E**

**Rel. Maturity: 3.2**

**Know2Grow™ OBSERVATIONS**
- O 2032E displays lateral branching for great plant width
- Exhibited good IDC tolerance in those high pH situations
- A real “tough guy” line to take on stress

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Level</th>
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<tbody>
<tr>
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</table>

**GENERAL CHARACTERISTICS**

- Maturity (Days) 3.2
- Plant Height: Medium Tall
- Canopy Type: Bush
- Soil Type: All

**TRAIT TECHNOLOGY**

- Enlist E3

**RECOMMENDED YIELD ENVIRONMENTS**

- **High Yield:** 50%
- **Medium Yield:** 100%
- **Low Yield:** 80%
O 1934E  Rel. Maturity: 3.4

**Know2Grow™ OBSERVATIONS**
- Medium plant height with excellent standability
- Excels in those irrigated or good production environments
- Upright plant that favors narrow rows
- Excellent SDS tolerance

<table>
<thead>
<tr>
<th>Trait</th>
<th>Technology</th>
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<tbody>
<tr>
<td><strong>RELATIVE MATURITY</strong></td>
<td>3.4</td>
</tr>
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</table>

**PLANT TRAITS**
- **EMERGENCE**: 1
- **HEIGHT**: 5
- **LODGING SCORE**: 1
- **DROUGHT TOLERANCE**: 6
- **CANOPY CLOSURE**: 4
- **DOUBLE CROP - N/A**: 9

**DISEASE TOLERANCE**
- **IRON CHLOROSIS - N/A**
- **FROGEYE LEAF SPOT - N/A**
- **SDS**: 2
- **SCN**: 1
- **PRR FIELD TOLERANCE**: 2

**GENERAL CHARACTERISTICS**
- **Maturity (Days)**: 3.4
- **Plant Height**: Medium
- **Canopy Type**: Intermediate
- **Soil Type**: All

**OBSERVATIONS**
- Medium plant height with excellent standability
- Excels in those irrigated or good production environments
- Upright plant that favors narrow rows
- Excellent SDS tolerance

**RECOMMENDED YIELD ENVIRONMENTS**
- 100% High Yield
- 80% Medium Yield
- 40% Low Yield

---

O 1937E  Rel. Maturity: 3.7

**Know2Grow™ OBSERVATIONS**
- Medium plant height with a good lodging score
- Exhibits good stress tolerance for those tough acres
- Great choice for a late group 3 bean that has great yield potential
- Excellent SDS and frogeye tolerance

<table>
<thead>
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<th>Technology</th>
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<tbody>
<tr>
<td><strong>RELATIVE MATURITY</strong></td>
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**PLANT TRAITS**
- **EMERGENCE**: 1
- **HEIGHT**: 4
- **LODGING SCORE**: 3
- **DROUGHT TOLERANCE**: 2
- **CANOPY CLOSURE**: 4
- **DOUBLE CROP - N/A**: 9

**DISEASE TOLERANCE**
- **IRON CHLOROSIS - N/A**
- **FROGEYE LEAF SPOT - N/A**
- **SDS**: 2
- **SCN**: 1
- **PRR FIELD TOLERANCE**: 2

**GENERAL CHARACTERISTICS**
- **Maturity (Days)**: 3.7
- **Plant Height**: Medium Plus
- **Canopy Type**: Intermediate
- **Soil Type**: All

**OBSERVATIONS**
- Medium plant height with a good lodging score
- Exhibits good stress tolerance for those tough acres
- Great choice for a late group 3 bean that has great yield potential
- Excellent SDS and frogeye tolerance

**RECOMMENDED YIELD ENVIRONMENTS**
- 70% High Yield
- 100% Medium Yield
- 80% Low Yield
**O 2037E**

**Rel. Maturity: 3.7**

**Know2Grow™ OBSERVATIONS**
- Outstanding seedling vigor for quick emergence
- Is stacked with STS for those double crop situations
- Medium Tall plant with good standability
- Has a nice agronomic package which contributes to its yield
- Great choice for those high pH soils

**PLANT TRAITS**

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<tr>
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<th>Level</th>
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**DISEASE TOLERANCE**

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<tr>
<td>PRR FIELD TOLERANCE</td>
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</table>

**RECOMMENDED YIELD ENVIRONMENTS**

- **High Yield**: 80%
- **Medium Yield**: 90%
- **Low Yield**: 70%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 3.7
- Plant Height: Medium Tall
- Canopy Type: Intermediate Bush
- Soil Type: All

---

**O 1939E**

**Rel. Maturity: 3.9**

**Know2Grow™ OBSERVATIONS**
- This bean comes with a top of the line disease package
- Medium plant height that displays good canopy closure
- 3.9 maturity that give you the Enlist E3 herbicide option

**PLANT TRAITS**

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<th>Trait</th>
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**RECOMMENDED YIELD ENVIRONMENTS**

- **High Yield**: 50%
- **Medium Yield**: 70%
- **Low Yield**: 80%

**GENERAL CHARACTERISTICS**

- Maturity (Days): 3.9
- Plant Height: Medium Plus
- Canopy Type: Intermediate Bush
- Soil Type: All
**Know2Grow™ OBSERVATIONS**

- **O 1942E**
  - Medium Tall plant height with intermediate bush canopy
  - Excellent yield potential and brings good yield stability for those tough acres
  - Works in all soil types
  - Shows good standability

- **O 2042E**
  - A new 4.2 maturity E3 line that pops out of the ground quick and visually looks great
  - Works very well north to south
  - Medium plant height stacked with STS
  - Has shown very good standability
  - This bean is one to watch in the 2019 Know2Grow research plots!

**RECOMMENDED YIELD ENVIRONMENTS**

- **O 1942E**
  - Maturity (Days): 4.2
  - Plant Height: Medium Tall
  - Canopy Type: Intermediate Bush
  - Soil Type: All

- **O 2042E**
  - Maturity (Days): 4.2
  - Plant Height: Medium Plus
  - Canopy Type: Intermediate Bush
  - Soil Type: All

**TRAIT TECHNOLOGY**

- **O 1942E**
  - EnlistE3®

- **O 2042E**
  - EnlistE3®
  - Syngenta® STS®

**RECOMMENDED YIELD ENVIRONMENTS**

- **O 1942E**
  - High Yield: 80%
  - Medium Yield: 80%
  - Low Yield: 80%

- **O 2042E**
  - High Yield: 80%
  - Medium Yield: 100%
  - Low Yield: 90%
### O 2045E
**Rel. Maturity:** 4.5

**Know2Grow™ OBSERVATIONS**
- Medium Tall line with good standability
- Performs very well on clay soils
- Has STS
- A good mid group 4 option for the Enlist E3 program

**PLANT TRAITS**
- **EMERGENCE:** 2
- **HEIGHT:** 3
- **LODGING SCORE:** 3
- **DROUGHT TOLERANCE:** 2
- **CANOPY CLOSURE:** 3
- **DOUBLE CROP:** 1

**DISEASE TOLERANCE**
- **IRON CHLOROSIS:** N/A
- **FROGEYE LEAF SPOT:** 2
- **SDS:** N/A
- **SCN:** 1
- **PRR FIELD TOLERANCE:** 3

**RECOMMENDED YIELD ENVIRONMENTS**
- **High Yield:** 80%
- **Medium Yield:** 80%
- **Low Yield:** 70%

**GENERAL CHARACTERISTICS**
- **Maturity (Days):** 4.5
- **Plant Height:** Medium Tall
- **Canopy Type:** Intermediate
- **Soil Type:** All

### O 2047E
**Rel. Maturity:** 4.7

**Know2Grow™ OBSERVATIONS**
- Medium Tall plant and provides good canopy closure to help shade out those weeds
- Another nice fit for clay soil types
- Has STS and is a great choice for those double crop situations
- Is a Salt Excluder!

**PLANT TRAITS**
- **EMERGENCE:** 2
- **HEIGHT:** 2
- **LODGING SCORE:** 4
- **DROUGHT TOLERANCE:** 2
- **CANOPY CLOSURE:** 2
- **DOUBLE CROP:** 1

**DISEASE TOLERANCE**
- **IRON CHLOROSIS:** N/A
- **FROGEYE LEAF SPOT:** 4
- **SDS:** N/A
- **SCN:** 1
- **PRR FIELD TOLERANCE:** N/A

**RECOMMENDED YIELD ENVIRONMENTS**
- **High Yield:** 50%
- **Medium Yield:** 80%
- **Low Yield:** 90%

**GENERAL CHARACTERISTICS**
- **Maturity (Days):** 4.7
- **Plant Height:** Medium Tall
- **Canopy Type:** Intermediate Bush
- **Soil Type:** All
LOOKING AHEAD

THE LATEST HERBICIDE AND TRAIT TECHNOLOGY.

Resistant and hard-to-control weeds pose a growing challenge for modern farming. The Enlist™ weed control system builds on the glyphosate and glufosinate systems to advance herbicide and trait technology — taking weed control to a whole new level.

At Ohlde Seed Farms, our future is focused on delivering our customers the very best choices in genetics and traits that the industry has to offer. One of those choices is the Enlist™ weed control system, which we have available for a large number of Enlist soybean varieties in our line-up. Look to Ohlde Seed Farms for a complete product lineup and recommendations tailored to your fields.

TRAITS

LEADING TRAIT TECHNOLOGY. EXCEPTIONAL WEED CONTROL.

Take advantage of the very latest trait technology — brought to you by Ohlde Seed Farms — for exceptional weed control and application flexibility. With tolerance to a new 2,4-D and glyphosate, the Enlist™ system advances herbicide and trait technology by building on the glyphosate and glufosinate systems.

New 2,4-D Glyphosate Glufosinate
New 2,4-D Glyphosate Glufosinate
New 2,4-D Glyphosate FOP herbicides
Stacked with: Stacked with:

Wide application window
Same application window you’re used to with glyphosate herbicide.

ENLIST™ CORN
No larger than V8 or 30 inches

ENLIST™ SOYBEANS
No later than R2 (full flower)

FIELD-TESTED PERFORMANCE

In field trials, Enlist crops showed robust tolerance following application of Enlist Duo® herbicide.

Soybeans without the Enlist™ trait treated with Enlist Duo® herbicide*
Soybeans treated with Enlist Duo® herbicide*

*4.75 pt./A + AMS at 2.5% v/v
HERBICIDE

TWICE AS TOUGH ON PROBLEM WEEDS.

Only Enlist Duo® herbicide with Colex-D® technology combines the proven performance of a new 2,4-D and glyphosate. The result: unrivaled weed control designed to land and stay on target.

CONTROL OF TOUGH WEEDS

Enlist Duo provides control of tough weed species such as ragweed, waterhemp, Palmer amaranth and marestail.

90% LESS DRIFT

Colex-D technology combines with low-drift nozzles to cut drift as much as 90% compared with traditional 2,4-D.

96% LESS VOLATILITY

Up to 96% less volatility than 2,4-D ester helps keep Enlist Duo in place to improve control and protect nearby crops.

The innovations introduced with Colex-D technology will help growers and applicators address challenges beyond controlling tough weeds.

MANAGEMENT RESOURCE

GET THE MOST FROM THE ENLIST™ SYSTEM.

The Enlist Ahead management resource will help you get the best results from the Enlist system — today and for the future.

From management recommendations to technology advancements, Enlist Ahead is designed to help growers make on-target applications and responsibly manage resistance in the field.

MANAGEMENT RECOMMENDATIONS AND RESOURCES »

Easy-to-follow best management practices and resources take the guesswork out of application.

EDUCATION AND TRAINING »

Enlist 360 training demonstrates how this advanced system performs — and how to make the most of this technology in the field.

TECHNOLOGY ADVANCEMENTS »

Includes the latest technology from across the industry to maximize the performance of the Enlist™ system.

Enlist Ahead offers growers benefits such as the Enlist Ahead app to plan herbicide applications and prevent resistance.
Roundup Ready 2 Xtend® soybeans combine high yield potential with the opportunity for maximum weed control.

O 30X9  Rel. Maturity: 3

Know2Grow™ OBSERVATIONS
- A top line in the elite testing program in Nebraska
- Incredible plant style! Good height and width for its maturity
- Medium plant height with excellent yield potential
- This line brings added depth into the Ohlde line up
- A good option for those high pH situations

TRAIT TECHNOLOGY
- Roundup Ready 2 Xtend

RECOMMENDED YIELD ENVIRONMENTS
- 90% High Yield
- 80% Medium Yield
- 70% Low Yield

PLANT TRAITS
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<tbody>
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<td>Double Crop</td>
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DISEASE TOLERANCE
- Iron Chlorosis: 2
- Frogeye Leaf Spot - N/A: 2
- SDS: 2
- SCN: 2
- PRR Field Tolerance: 3

GENERAL CHARACTERISTICS
- Maturity (Days): 3
- Plant Height: Medium Tall
- Canopy Type: Intermediate Bush
- Soil Type: All

RECOMMENDED YIELD ENVIRONMENTS
### O 37X7

**Rel. Maturity: 3.7**

#### Know2Grow™ OBSERVATIONS
- Extremely consistent performing line across a wide geography
- Brings a good disease package for all types of environments
- Medium plant height that will work under high yield environments
- Excellent standability with quick emergence

#### PLANT TRAITS

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<th>Trait</th>
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<td>Lodging Score</td>
<td>1</td>
</tr>
<tr>
<td>Drought Tolerance</td>
<td>3</td>
</tr>
<tr>
<td>Canopy Closure</td>
<td>2</td>
</tr>
<tr>
<td>Double Crop - N/A</td>
<td></td>
</tr>
</tbody>
</table>

#### DISEASE TOLERANCE

<table>
<thead>
<tr>
<th>Disease</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
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<td>3</td>
</tr>
<tr>
<td>Frogeye Leaf Spot</td>
<td>4</td>
</tr>
<tr>
<td>SDS</td>
<td>4</td>
</tr>
<tr>
<td>SCN</td>
<td>3</td>
</tr>
<tr>
<td>PRR Field Tolerance</td>
<td>2</td>
</tr>
</tbody>
</table>

#### TRAIT TECHNOLOGY

- **Roundup Ready 2 XTEND Soybeans**

#### RECOMMENDED YIELD ENVIRONMENTS

<table>
<thead>
<tr>
<th>Yield Environment</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Yield</td>
<td>60%</td>
</tr>
<tr>
<td>Medium Yield</td>
<td>80%</td>
</tr>
<tr>
<td>Low Yield</td>
<td>90%</td>
</tr>
</tbody>
</table>

#### GENERAL CHARACTERISTICS

- **Maturity (Days):** 3.7
- **Plant Height:** Medium
- **Canopy Type:** Intermediate Bush
- **Soil Type:** Clay

---

### O 34X7

**Rel. Maturity: 3.4**

#### Know2Grow™ OBSERVATIONS
- Extremely consistent performing line across a wide geography
- Brings a good disease package for all types of environments
- Medium plant height that will work under high yield environments
- Excellent standability with quick emergence

#### PLANT TRAITS

<table>
<thead>
<tr>
<th>Trait</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>1</td>
</tr>
<tr>
<td>Height</td>
<td>5</td>
</tr>
<tr>
<td>Lodging Score</td>
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</tr>
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</table>

#### TRAIT TECHNOLOGY

- **Roundup Ready 2 XTEND Soybeans**

#### RECOMMENDED YIELD ENVIRONMENTS

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<th>Yield Environment</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>High Yield</td>
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<tr>
<td>Medium Yield</td>
<td>80%</td>
</tr>
<tr>
<td>Low Yield</td>
<td>60%</td>
</tr>
</tbody>
</table>

#### GENERAL CHARACTERISTICS

- **Maturity (Days):** 3.4
- **Plant Height:** Medium
- **Canopy Type:** Intermediate Bush
- **Soil Type:** Loam

---

### O 37X7

**Rel. Maturity: 3.7**

#### Know2Grow™ OBSERVATIONS
- This Medium plant is a great fit for upland type conditions with good plant height and row width
- Dominating performance in the 2015, 2016, 2017 & 2018 data vs the best RR2 Xtend’s in the market place
- Yield consistency and yield stability define O 37X7
- This is an excellent choice for clay soils. Keep off your loams

#### PLANT TRAITS

<table>
<thead>
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<th>Scale</th>
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<tr>
<td>Double Crop - N/A</td>
<td></td>
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<td>PRR Field Tolerance</td>
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#### TRAIT TECHNOLOGY

- **Roundup Ready 2 XTEND Soybeans**

#### RECOMMENDED YIELD ENVIRONMENTS

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<tbody>
<tr>
<td>High Yield</td>
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</tr>
<tr>
<td>Medium Yield</td>
<td>100%</td>
</tr>
<tr>
<td>Low Yield</td>
<td>90%</td>
</tr>
</tbody>
</table>

#### GENERAL CHARACTERISTICS

- **Maturity (Days):** 3.7
- **Plant Height:** Medium
- **Canopy Type:** Intermediate Bush
- **Soil Type:** Clay
### O 37X9

**Rel. Maturity: 3.7**

**Know2Grow™ OBSERVATIONS**
- Excellent choice for those double crop situations!
- Great emergence to get up and out of the ground quickly
- Medium Tall plant height that works well in narrow planted rows
- Good frogeye tolerance, STS, and is a salt excluder

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>1</td>
</tr>
<tr>
<td>Height</td>
<td>2</td>
</tr>
<tr>
<td>Lodging Score</td>
<td>4</td>
</tr>
<tr>
<td>Drought Tolerance</td>
<td>2</td>
</tr>
<tr>
<td>Canopy Closure</td>
<td>2</td>
</tr>
<tr>
<td>Double Crop</td>
<td>1</td>
</tr>
</tbody>
</table>

**DISEASE TOLERANCE**

- Iron Chlorosis: 3
- Frogeye Leaf Spot: N/A
- SDS: 3
- SCN: 1
- PRR Field Tolerance: 2

**TRAIT TECHNOLOGY**

**RECOMMENDED YIELD ENVIRONMENTS**

<table>
<thead>
<tr>
<th>Yield Environment</th>
<th>High Yield (%)</th>
<th>Medium Yield (%)</th>
<th>Low Yield (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td>Medium</td>
<td>70%</td>
<td>70%</td>
<td>70%</td>
</tr>
<tr>
<td>High</td>
<td>50%</td>
<td>50%</td>
<td>50%</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**

- Maturity (Days): 3.7
- Plant Height: Medium Tall
- Canopy Type: Intermediate Bush
- Soil Type: All

### O 39X6

**Rel. Maturity: 3.9**

**Know2Grow™ OBSERVATIONS**
- Shows good height and canopy to help shade out those weeds
- Very good SDS score
- Is a Salt Excluder and works great for those high pH soils

**PLANT TRAITS**

<table>
<thead>
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</thead>
<tbody>
<tr>
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<td>Drought Tolerance</td>
<td>3</td>
</tr>
<tr>
<td>Canopy Closure</td>
<td>3</td>
</tr>
<tr>
<td>Double Crop - N/A</td>
<td>9</td>
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</tbody>
</table>

**DISEASE TOLERANCE**

- Iron Chlorosis: 3
- Frogeye Leaf Spot: 4
- SDS: 1
- SCN: 1
- PRR Field Tolerance: 2

**TRAIT TECHNOLOGY**

**RECOMMENDED YIELD ENVIRONMENTS**

<table>
<thead>
<tr>
<th>Yield Environment</th>
<th>High Yield (%)</th>
<th>Medium Yield (%)</th>
<th>Low Yield (%)</th>
</tr>
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<tbody>
<tr>
<td>Low</td>
<td>60%</td>
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</tr>
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<td>Medium</td>
<td>70%</td>
<td>70%</td>
<td>70%</td>
</tr>
<tr>
<td>High</td>
<td>80%</td>
<td>50%</td>
<td>50%</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**

- Maturity (Days): 3.9
- Plant Height: Medium Tall
- Canopy Type: Intermediate Bush
- Soil Type: All
**O 41X8**  
Rel. Maturity: 4.1

**Know2Grow™ OBSERVATIONS**
- Medium plant height with very good standability
- This bean is a yield dominator in the late three and early four maturity groups
- Shows incredible leaf area and will be quick to canopy
- Displays excellent field emergence and seed vigor
- O 41X8 is the bean to have on your farm!

**PLANT TRAITS**
<table>
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<tbody>
<tr>
<td>Emergence</td>
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<td>Height</td>
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</tr>
<tr>
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<td>Drought Tolerance</td>
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<td>Canopy Closure</td>
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<td>Double Crop</td>
<td>N/A</td>
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<tr>
<td>SCN</td>
<td>1</td>
</tr>
<tr>
<td>PRR Field Tolerance</td>
<td>2</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**
- Maturity (Days): 4.1
- Plant Height: Medium
- Canopy Type: Intermediate Bush
- Soil Type: All

**RECOMMENDED YIELD ENVIRONMENTS**
- High Yield: 80%
- Medium Yield: 100%
- Low Yield: 70%

---

**O 42X6**  
Rel. Maturity: 4.2

**Know2Grow™ OBSERVATIONS**
- Very good stress tolerance for those tough acres
- Quick vigor that pops out of the ground
- Good plant height - moves south well
- Plant on your bottoms or your hills; this bean can go just about anywhere

**PLANT TRAITS**
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<tr>
<td>Canopy Closure</td>
<td>3</td>
</tr>
<tr>
<td>Double Crop</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**DISEASE TOLERANCE**
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<td>SDS</td>
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</tr>
<tr>
<td>SCN</td>
<td>1</td>
</tr>
<tr>
<td>PRR Field Tolerance</td>
<td>2</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**
- Maturity (Days): 4.2
- Plant Height: Medium Tall
- Canopy Type: Intermediate Bush
- Soil Type: All

**RECOMMENDED YIELD ENVIRONMENTS**
- High Yield: 80%
- Medium Yield: 100%
- Low Yield: 90%
O 42X0  Rel. Maturity: 4.2

Know2Grow™ OBSERVATIONS
- A great early-to-mid group
- 4 Xtend option for all yield environments
- Medium Tall plant with good standability and a solid disease package
- Is a salt excluder for those high salt situations!
- Has STS and great choice for those double crop situations
- This is the bean to watch in the 2019 Know2Grow research data

PLANT TRAITS
- EMERGENCE: 1
- HEIGHT: 4
- LODGING SCORE: 3
- DROUGHT TOLERANCE: 2
- CANOPY TOLERANCE: 3
- DOUBLE CROP: 1

DISEASE TOLERANCE
- IRON CHLOROSIS: 2
- FROGEYE LEAF SPOT: 3
- SDS: 3
- SCN: 1
- PRR FIELD TOLERANCE: 3

RECOMMENDED YIELD ENVIRONMENTS
- High Yield: 80%
- Medium Yield: 100%
- Low Yield: 90%

TRAITS TECHNOLOGY
- Roundup Ready 2 Xtend Soybeans
- STS

GENERAL CHARACTERISTICS
- Maturity (Days): 4.2
- Plant Height: Medium Tall
- Canopy Type: Intermediate Bush
- Soil Type: All

O 45X6  Rel. Maturity: 4.5

Know2Grow™ OBSERVATIONS
- Medium Tall plant height stacked with STS, is a salt excluder, and has excellent Green Stem ratings
- Likes to be planted in narrow rows with a narrow canopy and stands extremely well
- Shows good guts in low yields and responds to high yield environments

PLANT TRAITS
- EMERGENCE: 1
- HEIGHT: 2
- LODGING SCORE: 3
- DROUGHT TOLERANCE: 2
- CANOPY TOLERANCE: 5
- DOUBLE CROP: 1

DISEASE TOLERANCE
- IRON CHLOROSIS: 2
- FROGEYE LEAF SPOT: 5
- SDS: 1
- SCN: 1
- PRR FIELD TOLERANCE: 3

RECOMMENDED YIELD ENVIRONMENTS
- High Yield: 70%
- Medium Yield: 80%
- Low Yield: 90%

TRAITS TECHNOLOGY
- Roundup Ready 2 Xtend Soybeans
- STS

GENERAL CHARACTERISTICS
- Maturity (Days): 4.5
- Plant Height: Medium Tall
- Canopy Type: Thin
- Soil Type: Clay
**O 46X0**

**Rel. Maturity: 4.6**

**Know2Grow™ OBSERVATIONS**
- A new 4.6 maturity in the Ohlde line-up that displays medium plant height and has STS!
- Works across all soil types and yield environments
- Nice agronomic package includes good tolerance to SCN, SDS, PRR, and SC
- Performs great on clay and loams
- Salt excluder for those high pH situations

**PLANT TRAITS**

- **EMERGENCE**: 2
- **HEIGHT**: 5
- **LODGING SCORE**: 4
- **DROUGHT TOLERANCE**: 3
- **CANOPY CLOSURE**: 4
- **DOUBLE CROP**: 1

**DISEASE TOLERANCE**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Chlorosis</td>
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</tr>
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</tr>
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<td>SDS</td>
<td>1</td>
</tr>
<tr>
<td>SCN</td>
<td>1</td>
</tr>
<tr>
<td>PRR Field Tolerance</td>
<td>3</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**

- **Maturity (Days)**: 4.6
- **Plant Height**: Medium
- **Canopy Type**: Intermediate Bush
- **Soil Type**: All

**RECOMMENDED YIELD ENVIRONMENTS**

- **High Yield**: 80%
- **Medium Yield**: 90%
- **Low Yield**: 70%

**TRAIT TECHNOLOGY**

- Roundup Ready 2 Xtend Soybeans
- STS

**O 48X8**

**Rel. Maturity: 4.8**

**Know2Grow™ OBSERVATIONS**
- Tall plant style with very good standability
- Resistant to Stem Canker with a great SDS score
- Salt excluder for those high pH soils
- This bean has shown good stress tolerance and is stacked with STS

**PLANT TRAITS**

- **EMERGENCE**: 1
- **HEIGHT**: 1
- **LODGING SCORE**: 3
- **DROUGHT TOLERANCE**: 1
- **CANOPY CLOSURE**: 4
- **DOUBLE CROP**: 1

**DISEASE TOLERANCE**

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<td>3</td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS**

- **Maturity (Days)**: 4.8
- **Plant Height**: Tall
- **Canopy Type**: Intermediate
- **Soil Type**: All

**RECOMMENDED YIELD ENVIRONMENTS**

- **High Yield**: 60%
- **Medium Yield**: 80%
- **Low Yield**: 100%
**O 49X0**

**Know2Grow™ OBSERVATIONS**
- Tall variety makes it a good fit for clay soils
- This bean will provide yield stability
- Stacked with STS

<table>
<thead>
<tr>
<th>Trait</th>
<th>Technology</th>
<th>Rec. Yield Environments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence</td>
<td>Roundup Ready 2 XTend Soybeans</td>
<td>High Yield 60% Medium Yield 90% Low Yield 70%</td>
</tr>
<tr>
<td>HEIGHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LODGING SCORE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DROUGHT TOLERANCE</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>DOUBLE CROP</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Disease Tolerance**
- Iron Chlorosis: 5
- Frogeye Leaf Spot: 4
- SDS: 2
- SCN: 2
- PRR Field Tolerance: 3

**General Characteristics**
- Maturity (Days): 4.9
- Plant Height: Medium Tall
- Canopy Type: Intermediate
- Soil Type: All

---

**O 51X8**

**Know2Grow™ OBSERVATIONS**
- Exceptional emergence and early season vigor
- Frogeye tolerance is outstanding
- Great product for your farm if the maturity fits

<table>
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<tbody>
<tr>
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<td>High Yield 70% Medium Yield 80% Low Yield 90%</td>
</tr>
<tr>
<td>HEIGHT</td>
<td></td>
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<tr>
<td>LODGING SCORE</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>DOUBLE CROP</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Disease Tolerance**
- Iron Chlorosis: 4
- Frogeye Leaf Spot: 1
- SDS: 3
- SCN: 1
- PRR Field Tolerance: 3

**General Characteristics**
- Maturity (Days): 5.1
- Plant Height: Tall
- Canopy Type: Intermediate
- Soil Type: Clay
Think Before You Bin-Run

Verification Required
Most soybeans are still covered by a variety patent, and you will not be able to save and plant the seed from those varieties without a license giving you that added right. Check with your seed supplier before saving.

Higher Seeding Rate
Higher seeding rates may be required for bin-run compared to new branded seed.

Yield Loss
Genuity® Roundup Ready 2 Yield® soybean seed outyielded bin-run Roundup Ready® soybeans by 6.1 bu/A.¹

Cleanout Loss
Loss of seed or shrink occurs during seed cleaning and handling processes for bin-run seed.

Lost Income
Income lost by not selling a bushel of soybeans that is saved for planting the next year.

The higher yielding trait technology of Roundup Ready 2 Yield soybeans showed a 6.1 bushel per acre advantage over original Roundup Ready soybeans.

High Value of New Branded Seed

Latest Technology
• Highest yielding soybean technology available
• Six soybean trait products anticipated to come from Monsanto in the next 2–7 years*¹
• Leading seed treatment options

Customer Service
• Dealer agronomic support before and after the sale
• Replant policy support
• Convenient packaging and delivery

Reliable Germination and Quality
• Rigorously tested for quality and meets US Federal Seed Act requirements
• Free of seed-borne diseases
• Properly stored and conditioned

¹First year results of 2-year protocol study with independent cooperators across 8 locations examining the yield differences of saved Roundup Ready soybeans versus newly purchased Roundup Ready 2 Yield soybeans.

Appearance Rated
• Highest rated soybean technology available
• Six soybean trait products anticipated to come from Monsanto in the next 2–7 years*¹
• Leading seed treatment options

Customer Service
• Dealer agronomic support before and after the sale
• Replant policy support
• Convenient packaging and delivery

Reliable Germination and Quality
• Rigorously tested for quality and meets US Federal Seed Act requirements
• Free of seed-borne diseases
• Properly stored and conditioned

*pending regulatory approvals.
**O 530** Medium-Early

**KNOW2GROW™ OBSERVATIONS**
- Unbeatable hybrid when it comes to consistency, uniform height, and drydown
- Great fall graze potential after harvest
- Excellent drydown for early harvest and double crop situations
- Outstanding drought stress tolerance for those tough production acres

**PLANT TRAITS**

<table>
<thead>
<tr>
<th>Trait</th>
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<tbody>
<tr>
<td>Yield for Maturity</td>
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<td>Standability</td>
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<td>Height</td>
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<td>Head Exertion</td>
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<td>Emergence</td>
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<td>Test Weight</td>
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</tbody>
</table>

**GENERAL CHARACTERISTICS**
- Grain Color: Cream
- Stalk Strength: 2
- Head Type: Semi-Open
- Drought Tolerance: 1
- High Yield: 5
- Days to Mid Bloom: 62

**O 575** Medium

**KNOW2GROW™ OBSERVATIONS**
- A consistent hybrid
- Excellent yield potential with outstanding stalks and roots to ensure yield
- Great early season emergence
- Semi-open head with red grain for attractive appearance

**PLANT TRAITS**

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<td>Test Weight</td>
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</table>

**GENERAL CHARACTERISTICS**
- Grain Color: Bronze
- Stalk Strength: 1
- Head Type: Semi-Open
- Drought Tolerance: 1
- High Yield: 3
- Days to Mid Bloom: 67
KNOW2GROW™ OBSERVATIONS

- An exciting new hybrid that not only brings an excellent yield punch but also tolerates sugarcane aphids
- Medium maturity that will stand well under stress
- Displays a bronze, semi-compact head
- Medium Tall plant height that expresses high stay green

“Every seed we deliver is cleaned and inspected.”

PLANT TRAITS

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<td>TEST WEIGHT</td>
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GENERAL CHARACTERISTICS

- Grain Color: Bronze
- Stalk Strength: 3 Semi-Compact
- Head Type: 2 Semi-Compact
- Drought Tolerance: 2
- High Yield: 2
- Days to Mid Bloom: 66
Grow Green

**KNOW2GROW™ OBSERVATIONS**

- Photoperiod sensitive sorghum sudan cross that brings together tonnage and excellent feeding values
- Offers great quality plus tonnage that a lot of other hybrids do not
- Contains the BMR-6 gene for high feeding values and sweet stalks
- Excellent regrowth for multiple cuttings

**PLANT TRAITS**

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**GENERAL CHARACTERISTICS**

- Plant Height: 1
- Stalk Strength: 3
- Tonnage: 2
- Silage Potential: 4
- Grazing Potential: 3
- Regrowth: 1

Sugar Sweet BMR

**KNOW2GROW™ OBSERVATIONS**

- Extra fine stalks with fast re-growth for top-notch sudan production
- BMR-6 gene for extra feeding value that cows love to eat
- This product works extremely well for haying and grazing with its quick growth and fine stems
- Male sterile

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**GENERAL CHARACTERISTICS**

- Plant Height: 3
- Stalk Strength: 2
- Tonnage: 1
- Silage Potential: 5
- Grazing Potential: 1
- Regrowth: 1
O 114
112-114 Day

KNOW2GROW™ OBSERVATIONS
- One of the best sorghum silage products on the market - will equal corn feeding values
- 6-8 feet tall with great stalk quality for standability
- Leafy product that loads up with grain for tonnage
- Full season type product, plant before June 10th for best results

GENERAL CHARACTERISTICS
- Plant Height: 5
- Stalk Strength: 2
- Tonnage: 1
- Silage Potential: 1
- Grazing Potential: 4
- Regrowth: 9

O 115B
Brachytic Dwarf, 110-112 Day

KNOW2GROW™ OBSERVATIONS
- BMR product with increased standability
- High grain to stalk ratio
- Excellent product for dairy or feed yards
- Medium Short plant with large grain head
- Ideal harvest is at soft dough stage

GENERAL CHARACTERISTICS
- Plant Height: 7
- Stalk Strength: 3
- Tonnage: 1
- Silage Potential: 1
- Grazing Potential: 9
- Regrowth: 9

O 116B
Brachytic Dwarf, 110-112 Day

KNOW2GROW™ OBSERVATIONS
- High quality silage that will work for dairy production
- Short plant style with high grain production
- Very good drought tolerance
- Excellent palatability
- BMR with good stalk quality

GENERAL CHARACTERISTICS
- Plant Height: 6
- Stalk Strength: 4
- Tonnage: 1
- Silage Potential: 1
- Grazing Potential: 9
- Regrowth: 9
Using financing from John Deere Financial offers the following benefits:

- Flexible financing needs for everyday essentials and seasonal inputs
- Consolidated agriculture purchases on one account
- Instant online access at MyJDFAccount.com

For more information about this program and other dependable financing solutions, please contact John Deere Financial at 1-800-356-9033 or visit www.JohnDeereFinancial.com.

Ohlde Seed Farms is offering you the following John Deere Financial financing options for the 2020 planting season:

- **0% Fixed Rate Seasonal Terms** - Ohlde Seed Farms offers customers a No-Payment, No-Interest, 0% fixed interest rate. No cash discounts apply. Payment in full is due by December 2020. This program is offered until February 15, 2020.

- **Regular Purchase** - Offered by Ohlde Seed Farms for your everyday seed purchasing. Pay your monthly balance in full and accrue no finance charge or stretch your cash flow and make minimum monthly payments. Use for regular payments throughout the year.

- **120-day Interest Free Seasonal Terms** - Ohlde Seed Farms offers 120 days with no interest. Best for short-term financing needs. Interest does not begin to accrue until after the deferral period has expired. This program is offered until March 17, 2020.

For additional financing options, please contact Ohlde Seed Farms.

For more information about establishing a John Deere Financial account, call John Deere Financial at 1-800-356-9033 or visit their website at www.JohnDeereFinancial.com to apply.