



Seed Genetics  
DIRECT LLC

Value. Knowledge. Performance.  
IT'S IN OUR GENETICS.

# SEED GUIDE 2023

*Committed to  
vetting all seed  
through  
local research  
and testing*



CORN • SOYBEANS • WHEAT • ALFALFA • HERBICIDES



## Dear Friends,

First and foremost, Seed Genetics Direct experienced another year of explosive growth, thanks to our customers, families, and employees! We appreciate the loyalty of all of our returning customers and are excited to have welcomed more than 300 new customers to the SGD family last year!

Our growth is reflective of what is happening across the seed industry. Independent seed companies, like us, had just over 10 percent market share in 2013 and today, it is over 23 percent! We are excited growers across the country see the benefits of independent seed companies and look forward to being a part of continued industry growth. Just like Kentucky Derby Winner Rich Strike, we are a workhorse that may be underestimated but steadily gains ground to pass the competition!

At Seed Genetics Direct, “Value, Knowledge, Performance” isn’t just our motto. It’s what we work toward every day to not just sell seed, but to also:

- **PROVIDE RETURN ON INVESTMENT.** We know you are too busy to haggle and keep calling for pricing, so **we tell you what our seed and herbicide price is before you order.** Sometimes our price isn’t the lowest, but we will tell you that upfront because our price is fair, and it’s the price everyone gets regardless of acreage. We also do everything we can to off-set your expenses by offering **straightforward, no-minimum early-order discounts, early-pay discounts, bundling discounts, and financing.**

- **SUPPLY GROWERS WITH A FULL LINEUP OF THE LATEST ELITE AND FIELD-TESTED GENETICS, BOTH CONVENTIONAL AND TRAITED.** In 2019, when the rest of the industry down-played Enlist E3<sup>®</sup> soybeans, we saw their potential and went full-force into them. We’ve

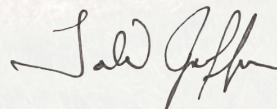
aggressively tested them in our **replicated research program with 26 locations throughout Ohio and Indiana.** We partnered with a plethora of breeding companies to source the germplasm. Now, three years later, as the rest of the industry is finally seeing Enlist E3<sup>®</sup> benefits and joining the party, we already know what works on your ground and have data to back it. They are just figuring it out. Being ahead of the curve matters when you need the best genetics.

- **FOCUS ON AGRONOMICS AND ENHANCEMENTS.** Our corn and soybean offerings are **tested locally and we work with a minimum of six major research foundation companies to obtain additional data.** So, you are able to better evaluate seed before you buy, rather than rely on data from a corporate testing program four states away. If that’s not enough, we offer **elite treatments and inoculant at a fraction of competitors’ costs, and 100 percent replant** on treated soybeans ordered by Nov. 10 and treated corn.

- **BATTLE HIGH INPUT COSTS.** You’ll notice our Seed Guide is about seed. We eliminate noise and show you the most important things: seed offerings, straightforward discounts, and pricing. We save money by eliminating overhead and costly programs and **pass those savings on to you.** If you have more in your pocket, you can go wherever you want to buy what you and your family want and need for vacation, implements, and other things.

When you partner with Seed Genetics Direct, you are better able to manage your return on investment. You will work with a team and a seedsman who go beyond selling seed. We work to help you develop a growing strategy that is well-researched and will work. With Seed Genetics Direct, your mind can be at ease.

With appreciation,



**TODD JEFFRIES**  
VICE PRESIDENT

812-212-0200 (CELL) • 740-505-6545 (OFFICE)  
TODDJ@SEEDGENETICSDIRECT.COM



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## STAY IN TOUCH!

[seedgeneticsdirect.com](http://seedgeneticsdirect.com) • 740-505-6545



9983 Jeffersonville-West Lancaster Road • PO Box 32 • Jeffersonville, OH 43128



# IMPORTANT DATES

## 2022-2023

**AUG. 17, 2022**

**NATIONAL AND STATE CORN  
YIELD CONTEST ENTRY  
DEADLINE**

See page 7

**AUG.-SEP. 2022**

**SGD FIELD DAYS**

Visit [seedgeneticsdirect.com](http://seedgeneticsdirect.com)  
or call 740-505-0669  
for dates, locations and RSVPs

**SEP. 1, 2022**

**WHEAT EARLY ORDER  
DISCOUNT DEADLINE**

Save \$1 per unit of wheat

**SEP. 20-22, 2022**

**FARM SCIENCE REVIEW**

London, Ohio

**NOV. 10, 2022**

**EARLY ORDER SAVINGS  
DEADLINE**

Save \$10 per unit of corn  
Avoid \$2 per unit on corn pro boxes  
Save \$2 per unit of soybeans  
Get 100% replant on treated soybeans<sup>2</sup>

**NOV. 30, 2022**

**SGD CORN YIELD CONTEST  
ENTRY DEADLINE**

See page 7

**SGD SOYBEAN YIELD  
CONTEST ENTRY DEADLINE**

See page 34

**DEC. 13-15, 2022**

**INDIANA FARM EQUIPMENT  
AND TECHNOLOGY EXPO**

Westfield, Ind.

**JAN. 17-19, 2023**

**FORT WAYNE FARM SHOW**

Fort Wayne, Ind.

**FEB. 15-18, 2023**

**NATIONAL FARM  
MACHINERY SHOW**

Louisville, Ky.

**MAR. 9-11, 2023**

**COMMODITY CLASSIC**

Orlando, Fla.

**MAY 16, 2023**

**NATIONAL AND STATE WHEAT  
YIELD CONTEST ENTRY  
DEADLINE**

See page 65

**JUNE 20, 2023**

**CORN RETURN AND  
REPLANT DEADLINE<sup>1</sup>**

**JULY 10, 2023**

**SOYBEAN RETURN AND  
REPLANT DEADLINE<sup>2</sup>**

**SGD WHEAT YIELD CONTEST  
ENTRY DEADLINE**

See page 65



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<sup>1</sup>Seed Genetics Direct offers a 100% replant guarantee on treated corn when replant procedures and forms are completed by June 20, 2023.

<sup>2</sup>Seed Genetics Direct offers a 100% replant guarantee on treated soybeans ordered before Nov. 10, 2022 and a 50% replant guarantee on treated soybeans ordered after Nov. 10, 2022 when replant procedures and forms are completed by July 10, 2023.





# CORN

## LINEUP

**34 HYBRIDS**  
**95–116 DAY RELATIVE MATURITY**

Artesian™  
Duracade™  
Elite Conventional

Viptera™  
GT  
GTCBLL

GTCBLLBLHx1  
GTCBLLRW  
GTCBLLRWBL

*NOTE: all GTs are Glyphosate Tolerant*



# CORN PROTECTIONS

## TREATMENT OPTIONS



### FREE PREMIUM TREATMENT INCLUDED ON ALL CORN ORDERS!

SGD has you covered with ProTEC C4+, a robust seed protection with 4 powerful fungicides and a high rate of insecticide. Plus, all treated corn comes with a 100% replant program! So, you have the insurance you are looking for in your field.


*\*Replant procedures and forms must be completed by June 20, 2023.*

SHIELDS FROM:			ENHANCES:	
• Aphids	• Fusarium	• Seed corn maggot	• Emergence	• Root mass
• Chinch bug	• Grape colaspis	• Seedling blights	• Drought tolerance	• Seedling stress resistance
• Decay	• Penicillium	• Thrips	• Health	• Seedling rates
• Damping-off	• Pythium	• White grub	• Nematode reduction	• Vigor
• Flea beetle	• Rhizoctonia	• Wireworm	• Root development	• YIELD!





# CORN TRAIT OPTIONS

	INSECT PROTECTION					HERBICIDE PROTECTION	
	CORN BORER	ROOTWORM	BLACK CUTWORM	BROAD LEPIDOPTERAN CONTROL VIP	BROAD LEPIDOPTERAN SUPPRESSION HX 1	GLYPHOSATE	GLUFOSINATE
<b>CONVENTIONAL (NON-GMO)*</b> 							
						✓	
	✓					✓	✓
	✓	✓				✓	✓
 <i>(formerly Agrisure® 3120 E-Z Refuge®)</i>	✓				✓	✓	✓
	✓		✓	✓		✓	✓
	✓	✓	✓	✓		✓	✓
 <i>(formerly Agrisure Viptera® 3220 E-Z Refuge®)</i>	✓		✓	✓		✓	✓
 <i>(formerly Agrisure Duracade® 5122 E-Z Refuge®)</i>	✓	✓	✓		✓	✓	✓
 <i>(formerly Agrisure Duracade® 5222 E-Z Refuge®)</i>	✓	✓	✓	✓		✓	✓

\*While Seed Genetics Direct adheres to the strictest industry standards, conventional hybrids are not guaranteed to be 100% GMO-free for a variety of reasons such as control of the planting environment (neighbor's GM hybrids), storage, delivery and GMO tests.





# CORN NUMBERING NOMENCLATURE



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EXAMPLE 1

**DIRECT 0 110 - 3110**

**RELEASE YEAR**  
(2020)

**TRAIT PACKAGE**  
(3110-GTCBLLBL)

**RELATIVE MATURITY**  
(110 DAY)



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EXAMPLE 2

**DIRECT 2 112 - AA**

**RELEASE YEAR**  
(2022)

**TRAIT PACKAGE**  
AGRISURE® ABOVE

**RELATIVE MATURITY**  
(112 DAY)



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EXAMPLE 3

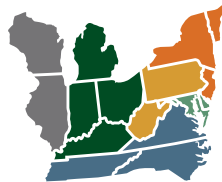
**DIRECT 8 111**










**RELEASE YEAR**  
(2018)

**TRAIT PACKAGE**  
(NO DASH, LETTERS, OR  
NUMBERS = CONVENTIONAL)

**RELATIVE MATURITY**  
(111 DAY)

# CORN YIELD CONTESTS



NATIONAL CORN YIELD CONTEST PRIZES:	STATE CORN YIELD CONTEST PRIZES:	SGD CORN YIELD CONTEST PRIZES:
 <ul style="list-style-type: none"> <li>· \$10,000 in SGD seed<sup>1</sup></li> <li>· Trip to Commodity Classic<sup>1</sup></li> <li>· NCGA plaque<sup>2</sup></li> <li>· \$10,000 in herbicide if HD customer; \$5,000 if not<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>· \$5,000 in SGD seed<sup>1</sup></li> <li>· Trip to Commodity Classic<sup>1</sup></li> <li>· State prizes</li> <li>· \$5,000 in herbicide if HD customer; \$2,500 if not<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>· \$2,500 in SGD seed<sup>1</sup></li> <li>· \$2,500 in herbicide if HD customer; \$1,250 if not<sup>3</sup></li> </ul>
 <ul style="list-style-type: none"> <li>· \$7,500 in SGD seed<sup>1</sup></li> <li>· Trip to Commodity Classic<sup>1</sup></li> <li>· NCGA plaque<sup>2</sup></li> <li>· \$7,500 in herbicide if HD customer; \$3,750 if not<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>· \$2,500 in SGD seed<sup>1</sup></li> <li>· Trip to Commodity Classic<sup>1</sup></li> <li>· State prizes</li> <li>· \$2,500 in herbicide if HD customer; \$1,250 if not<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>· \$1,500 in SGD seed<sup>1</sup></li> <li>· \$1,500 in herbicide if HD customer; \$750 if not<sup>3</sup></li> </ul>
 <ul style="list-style-type: none"> <li>· \$5,000 in SGD seed<sup>1</sup></li> <li>· Trip to Commodity Classic<sup>1</sup></li> <li>· NCGA plaque<sup>2</sup></li> <li>· \$5,000 in herbicide if HD customer; \$2,500 if not<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>· \$1,500 in SGD seed<sup>1</sup></li> <li>· Trip to Commodity Classic<sup>1</sup></li> <li>· \$1,500 in herbicide if HD customer; \$750 if not customer<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>· \$1,000 in SGD seed<sup>1</sup></li> <li>· \$1,000 in herbicide if HD customer; \$500 if not<sup>3</sup></li> </ul>

	SGD CORN YIELD CONTEST:	NATIONAL AND STATE CORN YIELD CONTEST:
<b>ENTRY</b>	Complete the entry form at <a href="http://seedgeneticsdirect.com">seedgeneticsdirect.com</a> or provide SGD with a copy of a completed National Corn Yield Contest entry form.	Complete the entry form at <a href="http://ncga.com/get-involved/national-corn-yield-contest">ncga.com/get-involved/national-corn-yield-contest</a>
<b>DEADLINE</b>	Nov. 30	August 17
<b>ENTRY FEE</b>	None	Paid by SGD

<sup>1</sup> Prizes notated with a "1" are provided by Seed Genetics Direct (SGD). To be eligible for prizes notated with a "1", grower must plant Seed Genetics Direct corn and place with SGD corn at the required, indicated level through the entity conducting the contest. One trip for two will be awarded per winner who planted SGD seed, per prize level as indicated. Trip for two will include hotel accommodations, travel, Commodity Classic registration, and celebration dinner.

<sup>2</sup> Prizes notated with a "2" are provided by the National Corn Growers Association. To be eligible for prizes notated with a "2", grower must be placed at the required, indicated level in the NCGA Corn Yield Contest, as determined by NCGA. Prizes subject to change.

<sup>3</sup> Prizes notated with a "3" are provided by Herbicides Direct (HD). To be eligible for prizes notated with a "3", grower must plant Seed Genetics Direct corn and place with SGD corn at the required, indicated level through the entity conducting the contest.

National and state entrants must hold a current membership in the NCGA and his/her state associations to qualify. To be eligible for Seed Genetics Direct prizes, coverage of NCGA membership, and contest entry fees, entrants must plant Seed Genetics Direct corn. Winners receive awards for the highest prize level attained. Awards are non-transferable and cannot be transferred to cash awards. Taxes, if applicable, are the sole responsibility of each prize winner. Full terms and rules at [seedgeneticsdirect.com](http://seedgeneticsdirect.com).



# DIRECT 0095-V

FORMERLY 0095-3220

**RELATIVE MATURITY:**

95

**RECOMMENDED POPULATION:**

28 - 36,000

**TRAITS:**

V-GTCBLLBLHx1



223.6 BPA in SGD Early Test in LaGrange, Tiffin, Wauseon, OH

Excellent dual-purpose hybrid

Adapts to varying soils

Outstanding grain quality

Strong Eastern agronomics

Protection against Western Bean Cutworm and Black Cutworm

**DISEASE RESISTANCE (9=BEST)**

NCLB: 6

GLS: 6

Goss' Wilt: 8

Common Rust: 6

SCLB: Not Rated

Eyespot: 6

Anthraco: Not Rated

Tar Spot: 6

**CHARACTERISTICS**

Plant Height: Medium-Tall

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Very Good

Test Weight: Very Good

Seedling Vigor: Excellent

Drought Tolerance: Excellent

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Very Good

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Kernel Rows: 16-18

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	<b>YIELD</b>	<b>% MOISTURE</b>	<b>STALK LODGING (1=BEST)</b>	<b>ROOT LODGING (1=BEST)</b>	<b>TEST WEIGHT</b>	<b>TEST LOCATIONS</b>	<b>YEAR</b>
<b>DIRECT 0095-V</b>	<b>197.2</b>	<b>17.0</b>	<b>1.5</b>	<b>2.0</b>	<b>60.0</b>	<b>16</b>	<b>2021</b>
<i>P 0157</i>	187.6	17.0	1.7	1.8	58.9	16	2021
<b>DIRECT 0095-V</b>	<b>197.2</b>	<b>17.0</b>	<b>1.5</b>	<b>2.0</b>	<b>60.0</b>	<b>16</b>	<b>2021</b>
<i>DKC 51-38RIB</i>	175.6	16.9	1.8	1.8	59.7	16	2021
<b>DIRECT 0095-V</b>	<b>197.2</b>	<b>17.0</b>	<b>1.5</b>	<b>2.0</b>	<b>60.0</b>	<b>16</b>	<b>2021</b>
<i>DKC 54-36</i>	180.4	16.7	1.5	1.8	58.5	16	2021



**CROP NOTES:** Return on investment is essential in unpredictable times. Select genetics that are proven to work on your ground and with your management style.

# DIRECT 1099

**RELATIVE MATURITY:**  
99

**RECOMMENDED POPULATION:**  
28-36,000

**TRAITS:**  
Conventional



242.3 BPA in SGD Early Test in  
LaGrange, Tiffin, Wauseon, OH

Widely-adapted

Excellent agronomics

Strong fall intactness

Great stress tolerance

Dual-purpose hybrid

## DISEASE RESISTANCE (9=BEST)

NCLB: 7  
GLS: 8  
Goss' Wilt: 8  
Common Rust: Not Rated

SCLB: Not Rated  
Eyespot: Not Rated  
Anthracnose: Not Rated  
Tar Spot: Not Rated

## CHARACTERISTICS

Plant Height: Medium-Tall  
Ear Height: Medium-High  
Stalk Strength: Excellent  
Root Strength: Excellent  
Test Weight: Excellent  
Seedling Vigor: Excellent  
Drought Tolerance: Excellent  
Highly Productive Soils: Excellent  
Mod. Productive Soils: Excellent  
Less Productive Soils: Excellent

Drydown: Excellent  
No-Till Rating: Very Good  
Staygreen: Excellent  
Fall Appearance: Excellent  
Hi Pop Tolerance: Excellent  
Corn After Corn: Good  
Kernel Rows: 18-20  
Ear Flex: Semi  
Silage Quantity: Excellent  
Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 1099-DV</b>	<b>203.7</b>	<b>17.5</b>	<b>1.8</b>	<b>2.2</b>	<b>58.8</b>	<b>16</b>	<b>2021</b>
<i>P 0157</i>	187.6	17.0	1.7	1.8	58.9	16	2021
<b>DIRECT 1099-DV</b>	<b>203.7</b>	<b>17.5</b>	<b>1.8</b>	<b>2.2</b>	<b>58.8</b>	<b>16</b>	<b>2021</b>
<i>DKC 51-38RIB</i>	175.6	16.9	1.8	1.8	59.7	16	2021
<b>DIRECT 1099-DV</b>	<b>203.7</b>	<b>17.5</b>	<b>1.8</b>	<b>2.2</b>	<b>58.8</b>	<b>16</b>	<b>2021</b>
<i>DKC 54-36</i>	180.4	16.7	1.5	1.8	58.5	16	2021

**CROP NOTES:** Choose hybrids with high disease ratings if you're not going to use foliar fungicides.



# DIRECT 0101-3110 • 0101-DV

FORMERLY 0101-DC/5222

**RELATIVE MATURITY:**  
101

**RECOMMENDED POPULATION:**  
28 - 36,000

**TRAITS:** 3110-GTCBLLBL,  
DV-GTCBLLBLRWHx1



- #1 early hybrid recommendation
- Exceptional rind strength
- Impressive in all environments
- Excellent health and late season intactness
- Widely-adapted, dual-purpose
- Protection against Western Bean Cutworm and Black Cutworm

### DISEASE RESISTANCE (9=BEST)

NCLB: 7	SCLB: Not Rated
GLS: 6	Eyespot: Not Rated
Goss' Wilt: 8	Anthraco: Not Rated
Common Rust: Not Rated	Tar Spot: 7

### CHARACTERISTICS

Plant Height: Medium-Tall	Drydown: Excellent
Ear Height: Medium-High	No-Till Rating: Very Good
Stalk Strength: Excellent	Staygreen: Excellent
Root Strength: Excellent	Fall Appearance: Excellent
Test Weight: Excellent	Hi Pop Tolerance: Excellent
Seedling Vigor: Excellent	Corn After Corn: Very Good
Drought Tolerance: Excellent	Kernel Rows: 18-20
Highly Productive Soils: Excellent	Ear Flex: Semi
Mod. Productive Soils: Excellent	Silage Quantity: Excellent
Less Productive Soils: Excellent	Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 0101-DV</b>	<b>211.8</b>	<b>17.5</b>	<b>2.0</b>	<b>2.3</b>	<b>59.0</b>	<b>16</b>	<b>2021</b>
<i>P 0589</i>	206.1	17.4	1.6	1.9	56.6	16	2021
<b>DIRECT 0101-DV</b>	<b>211.8</b>	<b>17.5</b>	<b>2.0</b>	<b>2.3</b>	<b>59.0</b>	<b>16</b>	<b>2021</b>
<i>P 0157</i>	187.6	17.0	1.7	1.8	58.9	16	2021
<b>DIRECT 0101-DV</b>	<b>211.8</b>	<b>17.5</b>	<b>2.0</b>	<b>2.3</b>	<b>59.0</b>	<b>16</b>	<b>2021</b>
<i>DKC 51-38RIB</i>	175.6	16.9	1.8	1.8	59.7	16	2021



**CROP NOTES:** Consider bumping seeding rates to get the plant population you really want and combat slippage between seeding rate and final population.



## PALLET SAVERS

**DIRECT 8097 •  
8097-3111**

LIMITED

**RELATIVE MATURITY:**  
97**RECOMMENDED POPULATION:**  
30 - 34,000**TRAITS:**  
Conventional,  
3111-GTCBLLRWBL**KEY FEATURES**

Widely-adapted

Dual-purpose potential

Older, stable workhorse

Protection against Western Bean  
Cutworm and Black Cutworm  
(with 3111)Agrisure Viptera  
3111**DISEASE RESISTANCE (9=BEST)**

NCLB: 8

GLS: 6

Goss' Wilt: 6

Common Rust: 8

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: Not Rated

**CHARACTERISTICS**

Test Weight: Very Good

Seedling Vigor: Very Good

Drought Tolerance: Excellent

Drydown: Very Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Ear Flex: Semi

**DIRECT 1104 •  
1104-3010**

LIMITED

**RELATIVE MATURITY:**  
104**RECOMMENDED POPULATION:**  
28 - 32,000**TRAITS:**  
Conventional,  
3010-GTCBLL**KEY FEATURES**Best performance in moderate  
to lower populations

Timely harvest recommended

Agrisure 3010

**DISEASE RESISTANCE (9=BEST)**

NCLB: 7

GLS: 7

Goss' Wilt: 6

Common Rust: Not Rated

SCLB: 7

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: Not Rated

**CHARACTERISTICS**

Test Weight: Very Good

Seedling Vigor: Very Good

Drought Tolerance: Very Good

Drydown: Very Good

No-Till Rating: Very Good

Staygreen: Good

Fall Appearance: Good

Hi Pop Tolerance: Very Good

Corn After Corn: Average

Ear Flex: Semi

*All Pallet Saver seed is limited availability, no return, any grade only.***CROP NOTES:** Agronomists suggest adding at least 5% on to your seed order to compensate for seed rate slippage and non-germination.





# DIRECT 3104



**RELATIVE MATURITY:**  
104

**RECOMMENDED POPULATION:**  
26-34,000

**TRAITS:**  
Conventional



Best performance in Indiana and Ohio

Strong fall intactness

Adapted to medium to good soils

Avoid extreme drought soils

### DISEASE RESISTANCE (9=BEST)

NCLB: 7  
GLS: 7.5  
Goss' Wilt: 8  
Common Rust: Not Rated

SCLB: Not Rated  
Eyespot: Not Rated  
Anthracnose: Not Rated  
Tar Spot: 7

### CHARACTERISTICS

Plant Height: Medium-Tall  
Ear Height: Medium  
Stalk Strength: Very Good  
Root Strength: Very Good  
Test Weight: Excellent  
Seedling Vigor: Very Good  
Drought Tolerance: Very Good  
Highly Productive Soils: Excellent  
Mod. Productive Soils: Excellent  
Less Productive Soils: Very Good

Drydown: Very Good  
No-Till Rating: Very Good  
Staygreen: Very Good  
Fall Appearance: Very Good  
Hi Pop Tolerance: Very Good  
Corn After Corn: Not Rated  
Kernel Rows: 16-18  
Ear Flex: Semi  
Silage Quantity: Not Rated  
Silage Quality: Not Rated

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 3104</b>	<b>211.3</b>	<b>16.8</b>	<b>2.3</b>	<b>1.9</b>	<b>58.6</b>	<b>37</b>	<b>2020-21</b>
DIRECT 0101-DV	208.7	19.0	2.0	2.0	57.1	37	2020-21
<b>DIRECT 3104</b>	<b>216.5</b>	<b>17.0</b>	<b>1.5</b>	<b>1.6</b>	<b>58.8</b>	<b>30</b>	<b>2021</b>
DKC 55-85	200.0	16.8	1.9	1.1	57.0	30	2021
<b>DIRECT 3104</b>	<b>252.4</b>	<b>18.9</b>	<b>1.5</b>	<b>1.0</b>	<b>58.3</b>	<b>30</b>	<b>2021</b>
DIRECT 0106-D	215.3	18.9	1.0	1.1	56.0	30	2021

Foundation data

**CROP NOTES:** For example, if you want 32,000 plants per acre, then plant at least 33,600 seeds per acre.



## PALLET SAVERS



## DIRECT 1105

LIMITED

## RELATIVE MATURITY:

105

## RECOMMENDED POPULATION:

30 - 35,000

## TRAITS:

Conventional

## KEY FEATURES

239.8 BPA in SGD Medium Test  
in LaGrange, Tiffin, Wauseon

Consistent high yields

Exceptional girth

Lower risk of green snap

Strong fungicide response

## DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 7

Goss' Wilt: 8

Common Rust: 6

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 4

## CHARACTERISTICS

Test Weight: Very Good

Seedling Vigor: Good

Drought Tolerance: Very Good

Drydown: Excellent

No-Till Rating: Very Good

Staygreen: Good

Fall Appearance: Good

Hi Pop Tolerance: Very Good

Corn After Corn: Not Rated

Ear Flex: Semi

## DIRECT 0106-V

FORMERLY 0106-3220

LIMITED

## RELATIVE MATURITY:

106

## RECOMMENDED POPULATION:

30 - 38,000

## TRAITS:

V-GTCBLLBLHx1

## KEY FEATURES

Elite, top-end yield punch

Best in zone and north

Agronomics allow for higher  
populations

Protection against Western Bean  
Cutworm and Black Cutworm



## DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 6

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: 8

Eyespot: 6

Anthracnose: Not Rated

Tar Spot: Not Rated

## CHARACTERISTICS

Test Weight: Good

Seedling Vigor: Excellent

Drought Tolerance: Excellent

Drydown: Very Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Excellent

Corn After Corn: Very Good

Ear Flex: Semi

## DIRECT 1106

LIMITED

## RELATIVE MATURITY:

106

## RECOMMENDED POPULATION:

28 - 34,000

## TRAITS:

Conventional

## KEY FEATURES

Deep kernels with consistent,  
girthy ears

Late flowering

Exceptional staygreen and  
fall intactness

Recommended for medium to  
better soils and moderate to  
high-yield environments

## DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 9

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 6

## CHARACTERISTICS

Test Weight: Excellent

Seedling Vigor: Very Good

Drought Tolerance: Very Good

Drydown: Excellent

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Not Rated

Ear Flex: Semi

All Pallet Saver seed is limited availability, no return, any grade only.

# DIRECT 9107 • 9107-3010

**RELATIVE MATURITY:**  
107

**RECOMMENDED POPULATION:**  
26 - 35,000

**TRAITS:**  
Conventional, 3010-GTCBLL



#1 best-selling line

High yields

Flowers early to beat heat stress

Widely-adapted

Adapts to varying soils and management practices

Moves south as early hybrid, north as full-season

### DISEASE RESISTANCE (9=BEST)

NCLB: 7.5

GLS: 9

Goss' Wilt: 9

Common Rust: 7

SCLB: 7

Eyespot: 7

Anthraxnose: Not Rated

Tar Spot: Not Rated

### CHARACTERISTICS

Plant Height: Medium-Tall

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Excellent

Test Weight: Very Good

Seedling Vigor: Very Good

Drought Tolerance: Excellent

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Very Good

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Excellent

Hi Pop Tolerance: Excellent

Corn After Corn: Very Good

Kernel Rows: 14-16

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	<b>YIELD</b>	<b>% MOISTURE</b>	<b>STALK LODGING (1=BEST)</b>	<b>ROOT LODGING (1=BEST)</b>	<b>TEST WEIGHT</b>	<b>TEST LOCATIONS</b>	<b>YEAR</b>
<b>DIRECT 9107-D</b>	<b>209.2</b>	<b>19.5</b>	<b>2.0</b>	<b>2.1</b>	<b>55.5</b>	<b>16</b>	<b>2021</b>
DIRECT 2107-V	209.8	19.3	1.8	1.8	56.3	16	2021
<b>DIRECT 9107-D</b>	<b>209.2</b>	<b>19.5</b>	<b>2.0</b>	<b>2.1</b>	<b>55.5</b>	<b>16</b>	<b>2021</b>
SC 1098YHR	208.7	19.0	2.0	2.0	57.1	16	2021
<b>DIRECT 9107-D</b>	<b>209.2</b>	<b>19.5</b>	<b>2.0</b>	<b>2.1</b>	<b>55.5</b>	<b>16</b>	<b>2021</b>
P 0825AM	198.8	18.5	1.8	1.8	56.3	16	2021



**CROP NOTES:** Seed-to-soil contact with the correct down pressure is a must so make sure the planter is working correctly and the ground is fit.



# DIRECT 2107 • 2107-V

FORMERLY 2107-3220

**RELATIVE MATURITY:**  
107

**RECOMMENDED POPULATION:**  
26 - 36,000

**TRAITS:** Conventional,  
V-GTCBLLBLHx1



Solid, workhorse genetics

Small cob with deep kernels

Showy with solid agronomics

Requires medium to high populations

Protection against Western Bean Cutworm and Black Cutworm (with 3220)

### DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 9

Goss' Wilt: 8

Common Rust: 8

SCLB: 8

Eyespot: Not Rated

Anthraco: Not Rated

Tar Spot: 7

### CHARACTERISTICS

**Plant Height:** Medium-Tall

**Ear Height:** Medium

**Stalk Strength:** Excellent

**Root Strength:** Very Good

**Test Weight:** Very Good

**Seedling Vigor:** Good

**Drought Tolerance:** Very Good

**Highly Productive Soils:** Excellent

**Mod. Productive Soils:** Excellent

**Less Productive Soils:** Excellent

**Drydown:** Very Good

**No-Till Rating:** Very Good

**Staygreen:** Very Good

**Fall Appearance:** Very Good

**Hi Pop Tolerance:** Excellent

**Corn After Corn:** Very Good

**Kernel Rows:** 14-16

**Ear Flex:** Semi

**Silage Quantity:** Very Good

**Silage Quality:** Very Good

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 2107-V</b>	<b>209.8</b>	<b>19.3</b>	<b>1.8</b>	<b>1.8</b>	<b>56.3</b>	<b>19</b>	<b>2021</b>
DIRECT 9107-D	209.2	19.5	2.0	2.1	55.5	19	2021
<b>DIRECT 2107-V</b>	<b>209.8</b>	<b>19.3</b>	<b>1.8</b>	<b>1.8</b>	<b>56.3</b>	<b>19</b>	<b>2021</b>
SC 1098YHR	208.7	19.0	2.0	2.0	57.1	19	2021
<b>DIRECT 2107-V</b>	<b>209.8</b>	<b>19.3</b>	<b>1.8</b>	<b>1.8</b>	<b>56.3</b>	<b>19</b>	<b>2021</b>
P 0825AM	198.8	18.5	1.8	1.8	56.3	19	2021



**CROP NOTES:** Planting in wet soil or when there is a high percentage of forecasted rain will likely lead to root issues and soil compaction.



## PALLET SAVERS



## DIRECT 8108GT

LIMITED

RELATIVE MATURITY:  
108RECOMMENDED POPULATION:  
30 - 36,000TRAITS:  
GT

## KEY FEATURES

Exceptional performance across  
the Corn Belt

Adapts to zones 5 through 7

Excellent late season intactness

Versatile and widely-adapted

Stable, workhorse genetics



## DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 6

Goss' Wilt: 6

Common Rust: 5

SCLB: 5

Eyespot: 8

Anthracnose: Not Rated

Tar Spot: Not Rated

## CHARACTERISTICS

Test Weight: Good

Seedling Vigor: Good

Drought Tolerance: Excellent

Drydown: Very Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Ear Flex: Semi

## DIRECT 1108-D

FORMERLY 1108-DC/5122

LIMITED

RELATIVE MATURITY:  
108RECOMMENDED POPULATION:  
30 - 36,000TRAITS:  
D-GTCBLLRWHx1

## KEY FEATURES

Topped 2019 Early Test

Strong agronomics and yield

Exceptional Eastern  
performance

Adapts to varying soils and  
management practices

Excellent silage hybrid



## DISEASE RESISTANCE (9=BEST)

NCLB: 9

GLS: 7

Goss' Wilt: 7

Common Rust: 6

SCLB: 7

Eyespot: 8

Anthracnose: Not Rated

Tar Spot: Not Rated

## CHARACTERISTICS

Test Weight: Poor

Seedling Vigor: Good

Drought Tolerance: Good

Drydown: Very Good

No-Till Rating: Good

Staygreen: Good

Fall Appearance: Very Good

Hi Pop Tolerance: Excellent

Corn After Corn: Very Good

Ear Flex: Semi

All Pallet Saver seed is limited availability, no return, any grade only.

**CROP NOTES:** Testing the planter on a small strip before planting a whole farm is always a good idea.

# DIRECT 2109-D

FORMERLY 2109-DC/5122

**RELATIVE MATURITY:**  
109**RECOMMENDED POPULATION:**  
30 - 36,000**TRAITS:**  
D-GTCBLLRWHx1

260.4 BPA in SGD Medium Test  
in Ashville, Camden, Chillicothe,  
Washington Court House, OH

Outstanding yield potential

Adapts to bushel rich  
environments

Strong emergence

Adapts to medium to highly  
productive soils

**DISEASE RESISTANCE (9=BEST)**

NCLB: 9  
GLS: 8  
Goss' Wilt: 6  
Common Rust: 9

SCLB: Not Rated  
Eyespot: Not Rated  
Anthracnose: 9  
Tar Spot: Not Rated

**CHARACTERISTICS**

**Plant Height:** Medium  
**Ear Height:** Medium  
**Stalk Strength:** Very Good  
**Root Strength:** Very Good  
**Test Weight:** Very Good  
**Seedling Vigor:** Excellent  
**Drought Tolerance:** Very Good  
**Highly Productive Soils:** Excellent  
**Mod. Productive Soils:** Very Good  
**Less Productive Soils:** Good

**Drydown:** Good  
**No-Till Rating:** Very Good  
**Staygreen:** Excellent  
**Fall Appearance:** Very Good  
**Hi Pop Tolerance:** Good  
**Corn After Corn:** Very Good  
**Kernel Rows:** 14-18  
**Ear Flex:** Flex  
**Silage Quantity:** Good  
**Silage Quality:** Good

	<b>YIELD</b>	<b>% MOISTURE</b>	<b>STALK LODGING (1=BEST)</b>	<b>ROOT LODGING (1=BEST)</b>	<b>TEST WEIGHT</b>	<b>TEST LOCATIONS</b>	<b>YEAR</b>
<b>DIRECT 2109-D</b>	<b>212.9</b>	<b>19.9</b>	<b>2.0</b>	<b>2.0</b>	<b>57.7</b>	<b>16</b>	<b>2021</b>
DIRECT 2111-D	211.8	19.6	1.8	1.9	58.0	16	2021
<b>DIRECT 2109-D</b>	<b>212.9</b>	<b>19.9</b>	<b>2.0</b>	<b>2.0</b>	<b>57.7</b>	<b>16</b>	<b>2021</b>
DIRECT 0110-V	216.7	19.0	2.0	2.0	57.7	16	2021
<b>DIRECT 2109-D</b>	<b>212.9</b>	<b>19.9</b>	<b>2.0</b>	<b>2.0</b>	<b>57.7</b>	<b>16</b>	<b>2021</b>
P 0825AM	198.8	18.5	1.8	1.8	56.3	16	2021



**CROP NOTES:** Some hybrids are sensitive to certain chemicals. Make sure you know if there may be any carryover from soybean herbicides applied in the previous year.





# DIRECT 3109



**RELATIVE MATURITY:**  
109

**RECOMMENDED POPULATION:**  
26 - 34,000

**TRAITS:**  
Conventional



Excellent grain quality

Girthy ears

Widely-adapted

Performs best on medium and good soils

Avoid extreme drought soils

### DISEASE RESISTANCE (9=BEST)

NCLB: 8  
GLS: 8.5  
Goss' Wilt: 7.5  
Common Rust: Not Rated

SCLB: 7  
Eyespot: Not Rated  
Anthracnose: 7.5  
Tar Spot: 6

### CHARACTERISTICS

Plant Height: Medium-Tall  
Ear Height: Medium  
Stalk Strength: Very Good  
Root Strength: Very Good  
Test Weight: Excellent  
Seedling Vigor: Very Good  
Drought Tolerance: Very Good  
Highly Productive Soils: Excellent  
Mod. Productive Soils: Excellent  
Less Productive Soils: Very Good

Drydown: Very Good  
No-Till Rating: Very Good  
Staygreen: Very Good  
Fall Appearance: Very Good  
Hi Pop Tolerance: Very Good  
Corn After Corn: Not Rated  
Kernel Rows: 16-18  
Ear Flex: Semi  
Silage Quantity: Excellent  
Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 3109</b>	<b>225.0</b>	<b>19.5</b>	<b>2.0</b>	<b>2.4</b>	<b>57.6</b>	<b>80</b>	<b>2020-21</b>
DIRECT 7107	207.3	18.7	1.5	1.8	55.2	80	2020-21
<b>DIRECT 3109</b>	<b>226.0</b>	<b>19.5</b>	<b>1.5</b>	<b>1.0</b>	<b>59.6</b>	<b>66</b>	<b>2020-21</b>
DKC 59-82	224.5	19.2	2.2	2.3	57.7	66	2020-21
<b>DIRECT 3109</b>	<b>223.0</b>	<b>19.5</b>	<b>1.0</b>	<b>2.0</b>	<b>59.4</b>	<b>29</b>	<b>2020-21</b>
P 1197	217.2	19.9	2.3	1.5	57.1	29	2020-21

Foundation data

**CROP NOTES:** Keep residue from previous crops out of seed trenches. It causes “hair-pinning” and can interfere with germination and emergence.

# PALLET SAVERS

**DIRECT 8109 •**  
**8109-3000 •**  
**8109-3110 • 8109-V**

**RELATIVE MATURITY:**  
109

**RECOMMENDED POPULATION:**  
32 - 36,000

**TRAITS:** Conventional,  
3000-GTCBLLRW,  
3110-GTCBLLBL,  
V-GTCBLLBLHx1

LIMITED

## KEY FEATURES

Yield leader with strong agronomics

Adapts to zones 5 through 7

Strong stress tolerance

Superior roots, stalks, plant intactness



**Agrisure3000GT**

**AgrisureViptera**  
3110

## DISEASE RESISTANCE (9=BEST)

**NCLB:** 7.5

**GLS:** 8

**Goss' Wilt:** 8

**Common Rust:** Not Rated

**SCLB:** 5

**Eyespot:** 5

**Anthracnose:** Not Rated

**Tar Spot:** Not Rated

## CHARACTERISTICS

**Test Weight:** Good

**Seedling Vigor:** Excellent

**Drought Tolerance:** Excellent

**Drydown:** Excellent

**No-Till Rating:** Excellent

**Staygreen:** Very Good

**Fall Appearance:** Excellent

**Hi Pop Tolerance:** Excellent

**Corn After Corn:** Very Good

**Ear Flex:** Determinant

**DIRECT 9110-V**  
FORMERLY 9110-3220

LIMITED

**RELATIVE MATURITY:**  
110

**RECOMMENDED POPULATION:**  
32 - 38,000

**TRAITS:**  
V-GTCBLLBLHx1

## KEY FEATURES

Adapts to northern Indiana, northern Ohio, southern Michigan

Exceptional yield stability east to west

Superior above-ground insect protection

Protection against Western Bean Cutworm and Black Cutworm



## DISEASE RESISTANCE (9=BEST)

**NCLB:** 8

**GLS:** 8

**Goss' Wilt:** 8

**Common Rust:** Not Rated

**SCLB:** 6

**Eyespot:** 6

**Anthracnose:** Not Rated

**Tar Spot:** Not Rated

## CHARACTERISTICS

**Test Weight:** Good

**Seedling Vigor:** Very Good

**Drought Tolerance:** Excellent

**Drydown:** Excellent

**No-Till Rating:** Very Good

**Staygreen:** Good

**Fall Appearance:** Good

**Hi Pop Tolerance:** Excellent

**Corn After Corn:** Very Good

**Ear Flex:** Semi

*All Pallet Saver seed is limited availability, no return, any grade only.*

**CROP NOTES:** Corn seedlings, the most critical phase in a corn plant's life, emerge between 110-120 growing degrees.

# DIRECT 0110-3110

**RELATIVE MATURITY:**  
110

**RECOMMENDED POPULATION:**  
32 - 36,000

**TRAITS:**  
3110-GTCBLLBL



#2 best seller

Sister to DIRECT 8109

Outstanding stress tolerance

Responsive to higher planting populations

Leader in foliar disease protection

Protection against Western Bean Cutworm and Black Cutworm

## DISEASE RESISTANCE (9=BEST)

NCLB: 8  
GLS: 8  
Goss' Wilt: 8  
Common Rust: Not Rated

SCLB: Not Rated  
Eyespot: Not Rated  
Anthracnose: Not Rated  
Tar Spot: 7

## CHARACTERISTICS

Plant Height: Medium-Tall  
Ear Height: Medium-High  
Stalk Strength: Excellent  
Root Strength: Excellent  
Test Weight: Good  
Seedling Vigor: Very Good  
Drought Tolerance: Excellent  
Highly Productive Soils: Excellent  
Mod. Productive Soils: Excellent  
Less Productive Soils: Very Good

Drydown: Excellent  
No-Till Rating: Excellent  
Staygreen: Excellent  
Fall Appearance: Excellent  
Hi Pop Tolerance: Excellent  
Corn After Corn: Very Good  
Kernel Rows: 16-18  
Ear Flex: Determinant  
Silage Quantity: Excellent  
Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 0110-V</b>	<b>216.7</b>	<b>19.0</b>	<b>2.0</b>	<b>2.0</b>	<b>57.7</b>	<b>16</b>	<b>2021</b>
SC 1087YHR	217.4	18.3	2.0	2.1	56.8	16	2021
<b>DIRECT 0110-V</b>	<b>216.7</b>	<b>19.0</b>	<b>2.0</b>	<b>2.0</b>	<b>57.7</b>	<b>16</b>	<b>2021</b>
DKC 60-88RIB	215.3	18.9	2.0	2.3	57.9	16	2021
<b>DIRECT 0110-V</b>	<b>216.7</b>	<b>19.0</b>	<b>2.0</b>	<b>2.0</b>	<b>57.7</b>	<b>16</b>	<b>2021</b>
P 0825AM	198.8	18.5	1.8	1.8	56.3	16	2021



**CROP NOTES:** Corn seedlings emerge when coleoptile, the spear-like leaf, pierces through the ground.



# DIRECT 1111

**RELATIVE MATURITY:**  
111

**RECOMMENDED POPULATION:**  
28 - 36,000

**TRAITS:**  
Conventional



Best-selling conventional

Potential to be National Corn  
Growers Association non-GMO  
yield winner

Dominant, multi-year  
performance

Widely-adapted

Strong late season health

Outstanding agronomics

## DISEASE RESISTANCE (9=BEST)

NCLB: 7.5  
GLS: 7.5  
Goss' Wilt: 6  
Common Rust: 6

SCLB: Not Rated  
Eyespot: Not Rated  
Anthracnose: Not Rated  
Tar Spot: 6

## CHARACTERISTICS

**Plant Height:** Medium-Tall  
**Ear Height:** Medium-High  
**Stalk Strength:** Very Good  
**Root Strength:** Very Good  
**Test Weight:** Very Good  
**Seedling Vigor:** Very Good  
**Drought Tolerance:** Excellent  
**Highly Productive Soils:** Excellent  
**Mod. Productive Soils:** Excellent  
**Less Productive Soils:** Excellent

**Drydown:** Very Good  
**No-Till Rating:** Very Good  
**Staygreen:** Very Good  
**Fall Appearance:** Very Good  
**Hi Pop Tolerance:** Very Good  
**Corn After Corn:** Very Good  
**Kernel Rows:** 16  
**Ear Flex:** Semi  
**Silage Quantity:** Excellent  
**Silage Quality:** Excellent

	<b>YIELD</b>	<b>% MOISTURE</b>	<b>STALK LODGING (1=BEST)</b>	<b>ROOT LODGING (1=BEST)</b>	<b>TEST WEIGHT</b>	<b>TEST LOCATIONS</b>	<b>YEAR</b>
<b>DIRECT 1111</b>	<b>213.3</b>	<b>20.7</b>	<b>1.0</b>	<b>1.1</b>	<b>57.4</b>	<b>13</b>	<b>2021</b>
<i>P 1197</i>	187.0	20.6	1.0	1.1	57.8	13	2021
<b>DIRECT 1111</b>	<b>213.3</b>	<b>20.7</b>	<b>1.0</b>	<b>1.1</b>	<b>57.4</b>	<b>13</b>	<b>2021</b>
<i>P 1311AM</i>	200.7	21.0	1.0	1.0	56.5	13	2021
<b>DIRECT 1111</b>	<b>213.3</b>	<b>20.7</b>	<b>1.0</b>	<b>1.1</b>	<b>57.4</b>	<b>13</b>	<b>2021</b>
<i>DIRECT 9112-3110</i>	207.2	21.4	1.0	1.1	58.0	13	2021

**CROP NOTES:** Flaggering plants as they emerge can help determine if a smaller plant is struggling or if it just emerged late.

# DIRECT 2111-AA

FORMERLY 2111-3120

**RELATIVE MATURITY:**

111

**RECOMMENDED POPULATION:**

28 - 36,000

**TRAITS:**

AA-GTCBLLHx1



Projected #1 best seller in 2023

Yield leader for Indiana and Ohio

Very good grain quality

Strong late-season intactness

Moves south as early hybrid,  
north as full-seasonStrong yield program when  
combined with DIRECT 0110  
and DIRECT 2109**DISEASE RESISTANCE (9=BEST)**

NCLB: 9

GLS: 8

Goss' Wilt: 8

Common Rust: 6

SCLB: 8

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: Not Rated

**CHARACTERISTICS**

Plant Height: Medium-Tall

Ear Height: Medium-Low

Stalk Strength: Excellent

Root Strength: Very Good

Test Weight: Very Good

Seedling Vigor: Excellent

Drought Tolerance: Excellent

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Very Good

No-Till Rating: Excellent

Staygreen: Very Good

Fall Appearance: Excellent

Hi Pop Tolerance: Excellent

Corn After Corn: Very Good

Kernel Rows: 16

Ear Flex: Semi

Silage Quantity: Very Good

Silage Quality: Very Good

	<b>YIELD</b>	<b>% MOISTURE</b>	<b>STALK LODGING (1=BEST)</b>	<b>ROOT LODGING (1=BEST)</b>	<b>TEST WEIGHT</b>	<b>TEST LOCATIONS</b>	<b>YEAR</b>
<b>DIRECT 2111-D</b>	<b>211.8</b>	<b>19.6</b>	<b>1.8</b>	<b>1.9</b>	<b>58.0</b>	<b>16</b>	<b>2021</b>
<i>P 0825AM</i>	198.8	18.5	1.8	1.8	56.3	16	2021
<b>DIRECT 2111-D</b>	<b>211.8</b>	<b>19.6</b>	<b>1.8</b>	<b>1.9</b>	<b>58.0</b>	<b>16</b>	<b>2021</b>
<i>DIRECT 2109-D</i>	212.9	19.9	2.0	2.0	57.7	16	2021
<b>DIRECT 2111-D</b>	<b>211.8</b>	<b>19.6</b>	<b>1.8</b>	<b>1.9</b>	<b>58.0</b>	<b>16</b>	<b>2021</b>
<i>DIRECT 0110-V</i>	216.7	19.0	2.0	2.0	57.7	16	2021

**CROP NOTES:** Studies show that evenly-spaced corn emerges quickly, uniformly, and with more desirable yield.



# DIRECT 3111-D

LIMITED

FORMERLY 3111-5122

**RELATIVE MATURITY:**  
111

**RECOMMENDED POPULATION:**  
30 - 36,000

**TRAITS:**  
D-GTCBLLRWHx1



Yield winner in SGD 2021  
Medium Test (236 BPA)

300.2 BPA in  
Washington Court House, OH

Sister line to DIRECT 2111-AA

Dual-purpose hybrid

Excels in Eastern Corn Belt

## DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 8

Goss' Wilt: 8

Common Rust: 6

SCLB: 7

Eyespot: Not Rated

Anthraco: Not Rated

Tar Spot: 7

## CHARACTERISTICS

Plant Height: Tall

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Good

Test Weight: Very Good

Seedling Vigor: Excellent

Drought Tolerance: Very Good

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Very Good

Drydown: Good

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Excellent

Kernel Rows: 16

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 3111-D</b>	<b>236.0</b>	<b>20.3</b>	<b>1.5</b>	<b>1.6</b>	<b>56.0</b>	<b>16</b>	<b>2021</b>
<i>DIRECT 8111-3000</i>	225.2	19.9	2.0	2.0	57.2	16	2021
<b>DIRECT 3111-D</b>	<b>236.0</b>	<b>20.3</b>	<b>1.5</b>	<b>1.6</b>	<b>56.0</b>	<b>16</b>	<b>2021</b>
<i>SC 1087YHR</i>	217.4	18.3	2.0	2.1	56.8	16	2021
<b>DIRECT 3111-D</b>	<b>236.0</b>	<b>20.3</b>	<b>1.5</b>	<b>1.6</b>	<b>56.0</b>	<b>16</b>	<b>2021</b>
<i>P 0825AM</i>	198.8	18.5	1.8	1.8	56.3	16	2021



**CROP NOTES:** Control weeds early. Even early weeds hurt yields because they affect how crop plants react to their neighbors.



## PALLET SAVERS



**DIRECT 8111 •**  
**8111-3000 •**  
**8111-3010**

LIMITED

**RELATIVE MATURITY:**  
111

**RECOMMENDED POPULATION:**  
28 - 36,000

**TRAITS:** Conventional,  
3000-GTCBLLRW,  
3010-GTCBLL

## KEY FEATURES

- Top, consistent yields
- Best performance north of I-70
- Long, slender ears with deep kernels
- Very good grain quality
- Superior plant health
- Best as a fuller-season hybrid
- Very responsive to foliar fungicide

 **Agrisure 3000GT**

 **Agrisure 3010**

## DISEASE RESISTANCE (9=BEST)

**NCLB:** 8  
**GLS:** 6  
**Goss' Wilt:** 6  
**Common Rust:** 6

**SCLB:** Not Rated  
**Eyespot:** Not Rated  
**Anthracnose:** Not Rated  
**Tar Spot:** Not Rated

## CHARACTERISTICS

**Test Weight:** Very Good  
**Seedling Vigor:** Excellent  
**Drought Tolerance:** Excellent  
**Drydown:** Excellent  
**No-Till Rating:** Excellent

**Staygreen:** Excellent  
**Fall Appearance:** Excellent  
**Hi Pop Tolerance:** Very Good  
**Corn After Corn:** Very Good  
**Ear Flex:** Flex

**DIRECT 2112-AA**  
 FORMERLY 2112-3120

LIMITED

**RELATIVE MATURITY:**  
112

**RECOMMENDED POPULATION:**  
28 - 36,000

**TRAITS:**  
AA-GTCBLLHx1

## KEY FEATURES

- Superior grain quality and test weight
- Excels at high populations in Eastern and Central Corn Belt
- Tremendous agronomics
- High yield potential
- Outstanding genetics, better than 2021 data

 **Agrisure Above**

## DISEASE RESISTANCE (9=BEST)

**NCLB:** 9  
**GLS:** 9  
**Goss' Wilt:** 9  
**Common Rust:** Not Rated

**SCLB:** 9  
**Eyespot:** Not Rated  
**Anthracnose:** Not Rated  
**Tar Spot:** 7

## CHARACTERISTICS

**Test Weight:** Very Good  
**Seedling Vigor:** Very Good  
**Drought Tolerance:** Excellent  
**Drydown:** Very Good  
**No-Till Rating:** Excellent

**Staygreen:** Excellent  
**Fall Appearance:** Excellent  
**Hi Pop Tolerance:** Excellent  
**Corn After Corn:** Very Good  
**Ear Flex:** Semi

*All Pallet Saver seed is limited availability, no return, any grade only.*

**CROP NOTES:** To control glyphosate-resistant weeds, spray them with appropriate herbicides when they're still young.





## PALLET SAVERS

**DIRECT 7112 •  
7112-3000**

LIMITED

**RELATIVE MATURITY:**  
112**RECOMMENDED POPULATION:**  
28 - 32,000**TRAITS:**  
Conventional,  
3000-GTCBLLRW**KEY FEATURES**

Best performance south of I-70

Consistent performer

Companion to DIRECT 8111  
and DIRECT 9112

Long ears with deep kernels

Adapts to varying and  
marginal soils

Strong stress tolerance

**Agrisure3000GT****DISEASE RESISTANCE (9=BEST)****NCLB:** 7**GLS:** 9**Goss' Wilt:** 9**Common Rust:** 5**SCLB:** Not Rated**Eyespot:** Not Rated**Anthracnose:** Not Rated**Tar Spot:** 5**CHARACTERISTICS****Test Weight:** Good**Seedling Vigor:** Good**Drought Tolerance:** Very Good**Drydown:** Good**No-Till Rating:** Good**Staygreen:** Good**Fall Appearance:** Very Good**Hi Pop Tolerance:** Good**Corn After Corn:** Very Good**Ear Flex:** Flex**DIRECT 9112 •  
9112-3110**

LIMITED

**RELATIVE MATURITY:**  
112**RECOMMENDED POPULATION:**  
30-34,000**TRAITS:**  
Conventional,  
3110-GTCBLLBL**KEY FEATURES**Strong performance in  
Eastern Corn BeltMedium, girthy ear with  
consistent tip fillYield advantage in low yield,  
stress environments

Very good grain quality

Tremendous staygreen and  
late-season intactness **AgrisureViptera**  
3110**DISEASE RESISTANCE (9=BEST)****NCLB:** 8**GLS:** 9**Goss' Wilt:** 9**Common Rust:** 5**SCLB:** Not Rated**Eyespot:** Not Rated**Anthracnose:** 5**Tar Spot:** Not Rated**CHARACTERISTICS****Test Weight:** Excellent**Seedling Vigor:** Very Good**Drought Tolerance:** Very Good**Drydown:** Good**No-Till Rating:** Very Good**Staygreen:** Excellent**Fall Appearance:** Excellent**Hi Pop Tolerance:** Very Good**Corn After Corn:** Very Good**Ear Flex:** Semi*All Pallet Saver seed is limited availability, no return, any grade only.***CROP NOTES:** Make sure you know what each hybrid's herbicide tolerance is before spraying.



# PALLET SAVERS



**DIRECT 0113 •**  
**0113-3110 • 0113-3111**

LIMITED

**RELATIVE MATURITY:**  
113

**RECOMMENDED POPULATION:**  
28 - 34,000

**TRAITS:** Conventional,  
3110-GTCBLLBL,  
3111-GTCBLLRWBL

**KEY FEATURES**

Excellent grain quality  
Best south of I-70 to mid-south  
Protection against Western Bean  
Cutworm and Black Cutworm  
(with 3110 and 3111)



**DISEASE RESISTANCE (9=BEST)**

NCLB: 8	SCLB: Not Rated
GLS: 8	Eyespot: Not Rated
Goss' Wilt: Not Rated	Anthracnose: Not Rated
Common Rust: Not Rated	Tar Spot: Not Rated

**CHARACTERISTICS**

Test Weight: Excellent	Staygreen: Excellent
Seedling Vigor: Very Good	Fall Appearance: Excellent
Drought Tolerance: Very Good	Hi Pop Tolerance: Very Good
Drydown: Very Good	Corn After Corn: Very Good
No-Till Rating: Excellent	Ear Flex: Semi

**DIRECT 113GT**

LIMITED

**RELATIVE MATURITY:**  
113

**RECOMMENDED POPULATION:**  
28 - 34,000

**TRAITS:**  
GT

**KEY FEATURES**

Early flowering for strong  
heat tolerance  
Plant first, quick emergence  
Best performance in moderate to  
high yield environments



**DISEASE RESISTANCE (9=BEST)**

NCLB: 7	SCLB: 6
GLS: 7	Eyespot: 6
Goss' Wilt: 7	Anthracnose: 6
Common Rust: 6	Tar Spot: Not Rated

**CHARACTERISTICS**

Test Weight: Good	Staygreen: Very Good
Seedling Vigor: Very Good	Fall Appearance: Very Good
Drought Tolerance: Very Good	Hi Pop Tolerance: Very Good
Drydown: Very Good	Corn After Corn: Good
No-Till Rating: Very Good	Ear Flex: Semi

**DIRECT 2113 •**  
**2113-3110**

LIMITED

**RELATIVE MATURITY:**  
113

**RECOMMENDED POPULATION:**  
28 - 34,000

**TRAITS:**  
Conventional,  
3110-GTCBLLBL

**KEY FEATURES**

296 BPA in Washington Court  
House Late Test  
Tall and robust  
Good late season intactness and  
standability  
Protection against Western Bean  
Cutworm and Black Cutworm  
(with 3110)



**DISEASE RESISTANCE (9=BEST)**

NCLB: 8	SCLB: Not Rated
GLS: 9	Eyespot: Not Rated
Goss' Wilt: 8	Anthracnose: Not Rated
Common Rust: 6	Tar Spot: 7.5

**CHARACTERISTICS**

Test Weight: Very Good	Staygreen: Very Good
Seedling Vigor: Very Good	Fall Appearance: Very Good
Drought Tolerance: Very Good	Hi Pop Tolerance: Very Good
Drydown: Good	Corn After Corn: Very Good
No-Till Rating: Very Good	Ear Flex: Flex

All Pallet Saver seed is limited availability, no return, any grade only.



# DIRECT 3113

**LIMITED**
**RELATIVE MATURITY:**  
113

**RECOMMENDED POPULATION:**  
26 - 34,000

**TRAITS:**  
Conventional


Key medium- to full-season hybrid for Eastern Corn Belt

Exceptional grain quality

Moves east extremely well

Adapts to varying soils

Handles moderate populations

**DISEASE RESISTANCE (9=BEST)**
**NCLB:** 8

**GLS:** 7

**Goss' Wilt:** 8

**Common Rust:** 7

**SCLB:** Not Rated

**Eyespot:** Not Rated

**Anthracnose:** Not Rated

**Tar Spot:** 7.5

**CHARACTERISTICS**
**Plant Height:** Tall

**Ear Height:** High

**Stalk Strength:** Very Good

**Root Strength:** Very Good

**Test Weight:** Excellent

**Seedling Vigor:** Very Good

**Drought Tolerance:** Very Good

**Highly Productive Soils:** Excellent

**Mod. Productive Soils:** Excellent

**Less Productive Soils:** Very Good

**Drydown:** Good

**No-Till Rating:** Very Good

**Staygreen:** Very Good

**Fall Appearance:** Very Good

**Hi Pop Tolerance:** Very Good

**Corn After Corn:** Very Good

**Kernel Rows:** 14-18

**Ear Flex:** Flex

**Silage Quantity:** Excellent

**Silage Quality:** Excellent

	<b>YIELD</b>	<b>% MOISTURE</b>	<b>STALK LODGING (1=BEST)</b>	<b>ROOT LODGING (1=BEST)</b>	<b>TEST WEIGHT</b>	<b>TEST LOCATIONS</b>	<b>YEAR</b>
<b>DIRECT 3113</b>	<b>256.1</b>	<b>18.5</b>	<b>1.5</b>	<b>1.0</b>	--	<b>9</b>	<b>2021</b>
<i>DKC 64-35RIB</i>	251.3	18.4	1.0	1.0	--	9	2021
<b>DIRECT 3113</b>	<b>256.1</b>	<b>18.5</b>	<b>1.5</b>	<b>1.0</b>	--	<b>9</b>	<b>2021</b>
<i>DIRECT 0113-3111</i>	250.0	19.9	5.5	1.0	--	9	2021
<b>DIRECT 3113</b>	<b>256.1</b>	<b>18.5</b>	<b>1.5</b>	<b>1.0</b>	--	<b>9</b>	<b>2021</b>
<i>DIRECT 1114-V</i>	239.2	19.4	1.5	1.0	--	9	2021

*Foundation data*
**CROP NOTES:** "Third leaf" starts to develop two weeks after emergence.



# DIRECT 3114



**RELATIVE MATURITY:**  
114

**RECOMMENDED POPULATION:**  
26 - 34,000

**TRAITS:**  
Conventional



Top yield performance

Versatile across varying soils and planting populations

Widely-adapted

Stable genetics

Great ear flex for lower populations

### DISEASE RESISTANCE (9=BEST)

NCLB: 8  
GLS: 7  
Goss' Wilt: 8  
Common Rust: 7

SCLB: Not Rated  
Eyespot: Not Rated  
Anthracnose: Not Rated  
Tar Spot: 7.5

### CHARACTERISTICS

Plant Height: Medium-Tall  
Ear Height: Medium-Low  
Stalk Strength: Very Good  
Root Strength: Very Good  
Test Weight: Very Good  
Seedling Vigor: Very Good  
Drought Tolerance: Very Good  
Highly Productive Soils: Excellent  
Mod. Productive Soils: Excellent  
Less Productive Soils: Very Good

Drydown: Very Good  
No-Till Rating: Very Good  
Staygreen: Very Good  
Fall Appearance: Very Good  
Hi Pop Tolerance: Very Good  
Corn After Corn: Very Good  
Kernel Rows: 16-18  
Ear Flex: Flex  
Silage Quantity: Excellent  
Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TEST LOCATIONS	YEAR
<b>DIRECT 3114</b>	<b>239.3</b>	<b>22.5</b>	<b>1.5</b>	<b>1.0</b>	<b>58.8</b>	<b>42</b>	<b>2021</b>
<i>DKC 63-57RIB</i>	229.0	21.3	1.0	1.5	59.0	42	2021
<b>DIRECT 3114</b>	<b>236.7</b>	<b>22.2</b>	<b>1.0</b>	<b>1.0</b>	<b>58.6</b>	<b>36</b>	<b>2021</b>
<i>P 1380AM</i>	234.0	21.2	1.0	1.5	57.8	36	2021
<b>DIRECT 3114</b>	<b>236.7</b>	<b>22.2</b>	<b>1.0</b>	<b>1.0</b>	<b>58.6</b>	<b>36</b>	<b>2021</b>
<i>DIRECT 1114-V</i>	225.0	23.2	1.3	2.1	56.6	36	2021

Foundation data

**CROP NOTES:** During “third leaf”, seedling roots stop growing and secondary “nodal roots” start growing to become the permanent root system.





## PALLET SAVERS

**DIRECT 1114-V**  
FORMERLY 1114-3220

LIMITED

**RELATIVE MATURITY:**  
114**RECOMMENDED POPULATION:**  
26 - 36,000**TRAITS:**  
V-GTCBLLBLHx1**KEY FEATURES**

Maximum yields at lower populations

Superior in zone, moves north

Lower ear placement enhances standability

Strong foliar disease protection

Protection against Western Bean Cutworm and Black Cutworm

**DISEASE RESISTANCE (9=BEST)****NCLB:** 9**GLS:** 9**Goss' Wilt:** 7**Common Rust:** Not Rated**SCLB:** Not Rated**Eyespot:** Not Rated**Anthracnose:** Not Rated**Tar Spot:** 7**CHARACTERISTICS****Test Weight:** Very Good**Seedling Vigor:** Very Good**Drought Tolerance:** Excellent**Drydown:** Very Good**No-Till Rating:** Excellent**Staygreen:** Very Good**Fall Appearance:** Excellent**Hi Pop Tolerance:** Very Good**Corn After Corn:** Very Good**Ear Flex:** Flex**DIRECT 6114-3010**

LIMITED

**RELATIVE MATURITY:**  
114**RECOMMENDED POPULATION:**  
32 - 36,000**TRAITS:**  
3010-GTCBLL**KEY FEATURES**

Consistent, superior agronomics

Exceptional stress tolerance

Excellent plant health and late season intactness

Adapts to varying soils and management practices

Workhorse

**DISEASE RESISTANCE (9=BEST)****NCLB:** 8**GLS:** 8**Goss' Wilt:** Not Rated**Common Rust:** 8**SCLB:** 8**Eyespot:** Not Rated**Anthracnose:** 8**Tar Spot:** Not Rated**CHARACTERISTICS****Test Weight:** Very Good**Seedling Vigor:** Very Good**Drought Tolerance:** Very Good**Drydown:** Good**No-Till Rating:** Very Good**Staygreen:** Excellent**Fall Appearance:** Excellent**Hi Pop Tolerance:** Excellent**Corn After Corn:** Very Good**Ear Flex:** Determinant*All Pallet Saver seed is limited availability, no return, any grade only.***CROP NOTES:** Don't cultivate too close to plants after "third leaf" because the roots may become damaged.



## PALLET SAVERS



**DIRECT 8115 •**  
**8115-3110 •**  
**8115-3111**

LIMITED

**RELATIVE MATURITY:**  
115

**RECOMMENDED POPULATION:**  
28 - 34,000

**TRAITS:** Conventional,  
3110-GTCBLLBL,  
3111-GTCBLLRWBL

## KEY FEATURES

Top performer in SGD Late Test since 2018

Adapts to zones 7 and 8

Exceptional late-season plant health

Excellent grain quality

Versatile, workhorse

Protection against Western Bean Cutworm and Black Cutworm



## DISEASE RESISTANCE (9=BEST)

**NCLB:** 8

**GLS:** 8

**Goss' Wilt:** Not Rated

**Common Rust:** 8

**SCLB:** 8

**Eyespot:** Not Rated

**Anthracnose:** Not Rated

**Tar Spot:** Not Rated

## CHARACTERISTICS

**Test Weight:** Very Good

**Seedling Vigor:** Very Good

**Drought Tolerance:** Excellent

**Drydown:** Very Good

**No-Till Rating:** Excellent

**Staygreen:** Excellent

**Fall Appearance:** Excellent

**Hi Pop Tolerance:** Excellent

**Corn After Corn:** Excellent

**Ear Flex:** Semi

**DIRECT 8116 •**  
**8116-3110**

LIMITED

**RELATIVE MATURITY:**  
116

**RECOMMENDED POPULATION:**  
28 - 34,000

**TRAITS:**  
Conventional,  
3110-GTCBLLBL

## KEY FEATURES

Continued yield leader in zone

Tremendous silage tonnage and quality

Sister to DIRECT 8115

Adapts to varying soils

Adapts to zones 7 and 8

Workhorse



## DISEASE RESISTANCE (9=BEST)

**NCLB:** 6

**GLS:** 8

**Goss' Wilt:** 5

**Common Rust:** 5

**SCLB:** 8

**Eyespot:** Not Rated

**Anthracnose:** Not Rated

**Tar Spot:** Not Rated

## CHARACTERISTICS

**Test Weight:** Very Good

**Seedling Vigor:** Very Good

**Drought Tolerance:** Excellent

**Drydown:** Good

**No-Till Rating:** Excellent

**Staygreen:** Excellent

**Fall Appearance:** Excellent

**Hi Pop Tolerance:** Very Good

**Corn After Corn:** Excellent

**Ear Flex:** Flex

*All Pallet Saver seed is limited availability, no return, any grade only.*

**CROP NOTES:** The growing point stays below ground for three to four weeks to protect plants from surface frost and insects.





# SOYBEAN

## LINEUP

**28 VARIETIES**  
**1.9–4.6 DAY RELATIVE MATURITY**

**Enlist E3®**

**GT1**

**Elite Conventional**

Seed Genetics Direct is a distributor of the Advanced Genetics Inc. brand for soybean varieties displaying the AGI (Advanced Genetics, Inc.) logo. Advanced Genetics, Inc. -Licensee: 11491 Foundation Road, Croton, Ohio, 43013.

# SOYBEAN PROTECTIONS

## TREATMENT OPTIONS



### PREMIUM TREATMENT & REPLANT ON ALL TREATED SOYBEAN ORDERS!

ENHANCEMENTS:	SHIELDS FROM:	TERMS:
<ul style="list-style-type: none"> <li>• 3 fungicides</li> <li>• 1 insecticide</li> <li>• 100% replant (order by Nov. 10)</li> </ul>	<ul style="list-style-type: none"> <li>• Fusarium</li> <li>• Phomopsis</li> <li>• Pythium</li> <li>• Phytophthora</li> <li>• Rhizoctonia</li> <li>• Soil-borne insects</li> </ul>	<ul style="list-style-type: none"> <li>• All treated soybean orders</li> <li>• Only \$5/unit more than untreated</li> </ul>

100% replant program on treated soybeans ordered by Nov. 10, 2022. Orders placed after Nov. 10, 2022 receive 50% replant. Order payment and replant procedures must be completed by July 10, 2023.



### GOODBYE, SDS & SCN! HELLO, 4.6 BPA GAINS!

ENHANCEMENTS:	SHIELDS FROM:	TERMS:
<ul style="list-style-type: none"> <li>• Fungicide</li> <li>• Protects early season plants and root systems</li> <li>• Stronger, healthier plants</li> <li>• 4.6 BPA average yield gain</li> </ul>	<ul style="list-style-type: none"> <li>• Sudden Death Syndrome</li> <li>• Soybean Cyst Nematode</li> </ul>	<ul style="list-style-type: none"> <li>• \$13/unit</li> <li>• Bulk, mini bag, pro box only</li> </ul>



### POWER TO PROTECT AGAINST SDS

ENHANCEMENTS:	SHIELDS FROM:	TERMS:
<ul style="list-style-type: none"> <li>• Next-generation biological seed treatment technology</li> <li>• No risk of phytotoxic seedling stress or the Halo Effect</li> <li>• +4.3 BPA vs. standard treatments (multi-year and state data)</li> </ul>	<ul style="list-style-type: none"> <li>• Rhizoctonia</li> <li>• Sudden Death Syndrome</li> <li>• Efficacy against a broader range of fungal disease</li> </ul>	<ul style="list-style-type: none"> <li>• \$9/unit</li> <li>• Bulk, mini bag, pro box only</li> </ul>



# INOCULANT OPTIONS



**INCREASE YIELD THIS YEAR AND NEXT!**

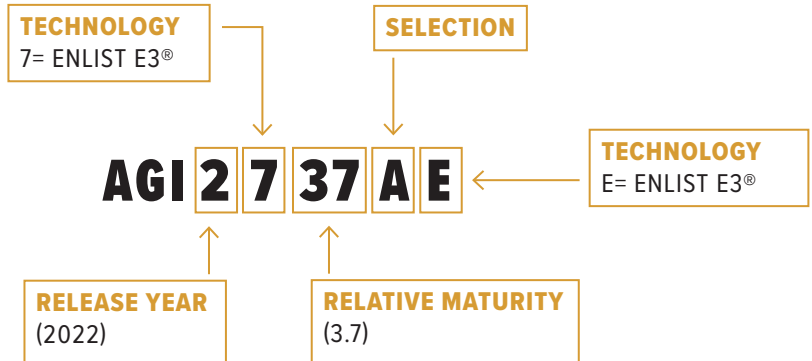
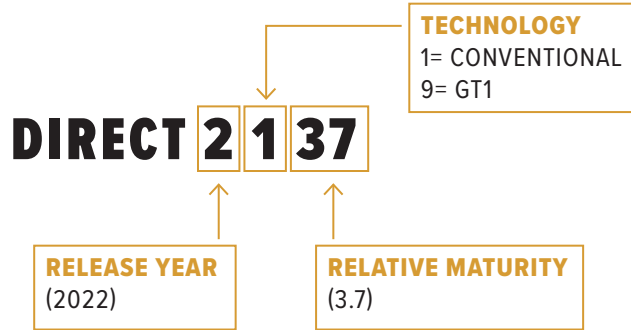
ENHANCEMENTS:		TERMS:
<ul style="list-style-type: none"> <li>• More nodules on tap, lateral roots</li> <li>• No extender results in better flow and less tacky beans</li> </ul>	<ul style="list-style-type: none"> <li>• Provides additional nitrogen to next year's crop</li> <li>• +2.4 bpa over check 70% of time (3rd party tests, 43 locations)</li> </ul>	<ul style="list-style-type: none"> <li>• \$3/unit</li> <li>• 240-day survival on seed</li> <li>• 180-day viability once opened</li> <li>• Bulk, mini bag, pro box only</li> </ul>

# SOYBEAN TRAIT PROTECTIONS

	HERBICIDE PROTECTION			
	GLYPHOSATE	GLUFOSINATE	DICAMBA	2, 4-D CHOLINE
<b>CONVENTIONAL (NON-GMO)</b> 				
	✓	✓		✓
<b>GT1</b>	✓			



# SOYBEAN NUMBERING NOMENCLATURE



# SOYBEAN YIELD CONTEST



## SGD SOYBEAN YIELD CONTEST PRIZES:

1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
<ul style="list-style-type: none"> <li>• \$2,500 in SGD seed</li> <li>• \$2,500 in herbicide if HD customer; \$1,250 if not</li> </ul>	<ul style="list-style-type: none"> <li>• \$1,500 in SGD seed</li> <li>• \$1,500 in herbicide if HD customer; \$750 if not</li> </ul>	<ul style="list-style-type: none"> <li>• \$1,000 in SGD seed</li> <li>• \$1,000 in herbicide if HD customer; \$500 if not</li> </ul>

## SGD SOYBEAN YIELD CONTEST:

<b>ENTRY</b>	Complete form at <a href="http://seedgeneticsdirect.com">seedgeneticsdirect.com</a>
<b>DEADLINE</b>	Nov. 30
<b>ENTRY FEE</b>	None

Prize eligibility includes planting SGD soybean seed and allowing SGD to use contest information as deemed appropriate by SGD. Awards cannot be transferred to cash. See full contest rules, terms, and guidelines at [seedgeneticsdirect.com](http://seedgeneticsdirect.com).



# AGI 1719AE

**RELATIVE MATURITY:**  
1.9

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Outstanding disease package

PI 88.788/R3; MR14

Exceptional emergence and early vigor

### DISEASE RESISTANCE (9=BEST)

<b>Stem Canker:</b> 8	<b>SWM:</b> 6.5
<b>Frogeye:</b> Not Rated	<b>BSR:</b> Resistant
<b>SCN:</b> 7.5	<b>PRR:</b> 7
<b>SDS:</b> 7.5	

### CHARACTERISTICS

<b>Plant Height:</b> Medium-Tall	<b>Flower:</b> Purple
<b>Plant Type:</b> Intermediate	<b>Pubescence:</b> Gray
<b>Emergence:</b> Excellent	<b>Pod Wall:</b> Brown
<b>Standability:</b> Very Good	<b>Hilum:</b> Imperfect Black
<b>Seedling Vigor:</b> Excellent	

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1719AE</b>	<b>64.0</b>	<b>3*</b>	<b>2020</b>
TEST REGRESSION	58.8	3	2020
<b>AGI 1719AE</b>	<b>55.2</b>	<b>20</b>	<b>2020</b>
TEST REGRESSION	53.1	20	2020
<b>AGI 1719AE</b>	<b>55.2</b>	<b>20</b>	<b>2020</b>
CHECK REGRESSION	54.1	20	2020

Foundation data  
\*SDS locations



**CROP NOTES:** Soybeans are the second-most planted field crop in the U.S., beat only by corn. (source: USDA)

# AGI 1721AE

**RELATIVE MATURITY:**  
2.1

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



105.6% of yield regression  
(high yield environments)

102.3% of yield regression  
(Michigan foundation plots)

PI 88.788/R3; MR14

Rps 1k gene

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** Not Rated

**SCN:** 7.5

**SDS:** 5.5

**SWM:** 6.5

**BSR:** Resistant

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium

**Plant Type:** Intermediate

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1721AE</b>	<b>53.1</b>	<b>12</b>	<b>2021</b>
AGI 0725AE	54.4	12	2021
<b>AGI 1721AE</b>	<b>53.1</b>	<b>12</b>	<b>2021</b>
AGI 1724AE	53.7	12	2021
<b>AGI 1721AE</b>	<b>53.1</b>	<b>12</b>	<b>2021</b>
AG 24XF1	53.1	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** More than 80% of U.S. bean acres are found in the upper Midwest. (source: USDA)



# AGI 1724AE

**RELATIVE MATURITY:**  
2.4

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



68 BPA in Tipton, IN (2021)

Beat every check in 2020  
Foundation test by 2.5 BPA

A must-have for relative maturity

Outstanding performance

Adapts to varying soils

PI 88.788/R3; MR14

Rps 1k gene

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** Not Rated

**SCN:** 7.5

**SDS:** 6

**SWM:** 5.5

**BSR:** Resistant

**PRR:** 7.5

## CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Intermediate

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** White

**Pubescence:** Gray

**Pod Wall:** Tan

**Hilum:** Buff

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1724AE</b>	<b>53.7</b>	<b>12</b>	<b>2021</b>
AG 24XF1	53.1	12	2021
<b>AGI 1724AE</b>	<b>53.7</b>	<b>12</b>	<b>2021</b>
AGI 0725AE	54.4	12	2021
<b>AGI 1724AE</b>	<b>53.7</b>	<b>12</b>	<b>2021</b>
AGI 9728AE	56.0	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** Soybeans are grown for use in everything from food products to fuel.

# AGI 0725AE

**RELATIVE MATURITY:**  
2.5

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Dominant performance everywhere

Ranked 1st in 2019 Foundation yield data, 2nd in 2018

Outstanding line across all regions and yield environments

PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 9

**SCN:** 7.5

**SDS:** 6

**SWM:** 5

**BSR:** Resistant

**PRR:** 7

### CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Intermediate

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 0725AE</b>	<b>54.4</b>	<b>12</b>	<b>2021</b>
AGI 9728AE	56.0	12	2021
<b>AGI 0725AE</b>	<b>54.4</b>	<b>12</b>	<b>2021</b>
AGI 1724AE	53.7	12	2021
<b>AGI 0725AE</b>	<b>54.4</b>	<b>12</b>	<b>2021</b>
AG 24XF1	53.1	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** Choosing the right seed variety and/or applying an effective pesticide can help combat issues throughout the growing season.



# AGI 2726AE

**RELATIVE MATURITY:**  
2.6

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Outstanding line across all soil types and yield environments

Rps 1c gene

PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Resistant

**Frogeye:** 6.5

**SCN:** 7.5

**SDS:** 7

**SWM:** 6

**BSR:** Resistant

**PRR:** 7

### CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Intermediate

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Tan

**Hilum:** Buff

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 2726AE</b>	<b>59.8</b>	<b>25</b>	<b>2021</b>
AGI 0725AE	54.9	25	2021
<b>AGI 2726AE</b>	<b>59.8</b>	<b>25</b>	<b>2021</b>
AGI 1724AE	57.8	25	2021
<b>AGI 2726AE</b>	<b>59.8</b>	<b>25</b>	<b>2021</b>
CHECK REGRESSION	56.7	25	2021

Foundation data



**CROP NOTES:** Be mindful of nutrient removal rates from the previous year's crops (see page 82).

# AGI 1727AE

**RELATIVE MATURITY:**  
2.7

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Yields with later checks

Adapts to varying soils

Strong stress tolerance, 104% in low yield environments (2020)

Rps 1c gene

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** Not Rated

**SCN:** 7.5

**SDS:** 6

**SWM:** 5.5

**BSR:** Not Rated

**PRR:** 7.5

## CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Intermediate

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Buff

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1727AE</b>	<b>60.1</b>	<b>12</b>	<b>2021</b>
AG 28XF1	60.7	12	2021
<b>AGI 1727AE</b>	<b>60.1</b>	<b>12</b>	<b>2021</b>
AG 33XF1	57.8	12	2021
<b>AGI 1727AE</b>	<b>60.1</b>	<b>12</b>	<b>2021</b>
AGI 0727AE	56.8	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** Choose a variety based on plant health and ratings for diseases in your area.

# AGI 1729AE

**RELATIVE MATURITY:**  
2.9

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



74 BPA in LaGrange, IN and 75 BPA in Tiffin, OH (2021)

Yields with early 3.0 relative maturity beans

Thinner line

Strong stress tolerance

Rps 1k gene

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** Not Rated

**SCN:** 7.5

**SDS:** 5.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7.5

## CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Intermediate Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1729AE</b>	<b>59.2</b>	<b>12</b>	<b>2021</b>
AG 28XF1	60.7	12	2021
<b>AGI 1729AE</b>	<b>59.2</b>	<b>12</b>	<b>2021</b>
AG 33XF1	57.8	12	2021
<b>AGI 1729AE</b>	<b>59.2</b>	<b>12</b>	<b>2021</b>
AGI 0727AE	56.8	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** If buying an early soybean seed variety, be sure to plant it early and protect it with fungicides and insecticides.



# AGI 1732AE

**RELATIVE MATURITY:**  
3.2

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



New yield leader,  
#1 in 2021 SGD Early Test

94.2 BPA in La Grange, IN;  
82.4 BPA in Tiffin, OH; 81 BPA  
in Wooster, OH; 77.2 BPA in  
Washington Court House, OH

105% National Yield Index in low  
to high yield environments (2020)

Adapts to varying soils

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 6.5

**SCN:** 7.5

**SDS:** 6.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1732AE</b>	<b>69.6</b>	<b>12</b>	<b>2021</b>
AGI 0733AE	68.2	12	2021
<b>AGI 1732AE</b>	<b>69.6</b>	<b>12</b>	<b>2021</b>
AG 33XF1	57.8	12	2021
<b>AGI 1732AE</b>	<b>69.6</b>	<b>12</b>	<b>2021</b>
AG 28XF1	60.7	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** Don't skimp on seed treatments, especially with early-planted beans.

# AGI 0733AE

**RELATIVE MATURITY:**  
3.3

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Best seller in 2021 and 2022

87.4 BPA in La Grange, IN; 75+ BPA in Tiffin, Washington Court House and Wooster, OH

Versatile, stable genetics for varying soils

Top yield and defense

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 6

**SCN:** 8

**SDS:** 6

**SWM:** Not Rated

**BSR:** Moderate

**PRR:** 7.5

## CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Brown

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 0733AE</b>	<b>68.2</b>	<b>12</b>	<b>2021</b>
AGI 1433AXF	59.8	12	2021
<b>AGI 0733AE</b>	<b>68.2</b>	<b>12</b>	<b>2021</b>
AG 33XF1	57.8	12	2021
<b>AGI 0733AE</b>	<b>68.2</b>	<b>12</b>	<b>2021</b>
AGI 0730AE	62.5	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** Early-planted soybeans are the best candidates for seed treatments because they are at a higher risk for disease and insect damage.

# AGI 1734AE

**RELATIVE MATURITY:**  
3.4

**TRAITS: Enlist E3®**  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



# 1 in Foundation  
yield plots (2020)

104% High Yield Index (2020)

107% Low Yield Index (2020)

Strong agronomics

Perfect balance of offense and  
defense

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 6

**SCN:** 7.5

**SDS:** 7

**SWM:** Not Rated

**BSR:** Resistant

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Intermediate

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1734AE</b>	<b>61.5</b>	<b>12</b>	<b>2021</b>
AGI 1433AXF	59.8	12	2021
<b>AGI 1734AE</b>	<b>61.5</b>	<b>12</b>	<b>2021</b>
AGI 31M04	58.2	12	2021
<b>AGI 1734AE</b>	<b>61.5</b>	<b>12</b>	<b>2021</b>
AGI 0730AE	62.5	12	2021

SGD Early Test Replicated Plot data



**CROP NOTES:** Data shows a consistent 70% return on investment for seed treatments.

# AGI 1736AE

**RELATIVE MATURITY:**  
3.6

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



#2 in Foundation testing with  
70% wins (2020)

Very good lodging score

Stable genetics across a variety  
of environments

PI 88.788/R3; MR14

Rps 1k gene

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 5

**SCN:** 7.5

**SDS:** 6

**SWM:** Not Rated

**BSR:** Resistant

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Bush

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Tan

**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1736AE</b>	<b>63.7</b>	<b>18</b>	<b>2021</b>
SC 7341E	63.2	18	2021
<b>AGI 1736AE</b>	<b>63.7</b>	<b>18</b>	<b>2021</b>
SC 7361E	61.4	18	2021
<b>AGI 1736AE</b>	<b>63.7</b>	<b>18</b>	<b>2021</b>
DM 36E61	61.7	18	2021

SGD Medium Test Replicated Plot data



**CROP NOTES:** Be cautious of planting in wet conditions that can cause soil compaction. It can make it harder for plants to push through the soil.



# AGI 2737AE

**RELATIVE MATURITY:**  
3.7

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



80+% wins against late E3 checks  
-----  
Attractive  
-----  
Rps 1k gene  
-----  
PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 8  
**Frogeye:** 7.5  
**SCN:** 7.5  
**SDS:** 7.5

**SWM:** Not Rated  
**BSR:** Not Rated  
**PRR:** 7

### CHARACTERISTICS

**Plant Height:** Medium  
**Plant Type:** Intermediate  
**Emergence:** Excellent  
**Standability:** Very Good  
**Seedling Vigor:** Very Good

**Flower:** Purple  
**Pubescence:** Gray  
**Pod Wall:** Tan  
**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 2737AE</b>	<b>79.5</b>	<b>16</b>	<b>2021</b>
<i>E3 CHECK 3.9</i>	74.7	16	2021
<b>AGI 2737AE</b>	<b>79.5</b>	<b>16</b>	<b>2021</b>
<i>E3 CHECK 3.7</i>	75.2	16	2021
<b>AGI 2737AE</b>	<b>79.5</b>	<b>16</b>	<b>2021</b>
<i>E3 CHECK 3.8</i>	78.0	16	2021

Foundation data



**CROP NOTES:** Do not plant shorter-season maturity groups than those rated for your natural environment, or you will get shorter plants with fewer nodes.



# AGI 1737AE

**RELATIVE MATURITY:**  
3.7

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



104% Ohio Yield Trial and 110%  
Indiana Yield Trail (2020)

Attractive, high-yielding line

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 8

**Frogeye:** 8

**SCN:** 7.5

**SDS:** 6

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium Plus

**Plant Type:** Intermediate

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** White

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Brown

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1737AE</b>	<b>62.7</b>	<b>18</b>	<b>2021</b>
AGI 1433AXF	62.2	18	2021
<b>AGI 1737AE</b>	<b>62.7</b>	<b>18</b>	<b>2021</b>
SC 7361E	61.4	18	2021
<b>AGI 1737AE</b>	<b>62.7</b>	<b>18</b>	<b>2021</b>
DM 36E61	61.7	18	2021

SGD Medium Test Replicated Plot data



**CROP NOTES:** When planting beans back to beans, help fight diseases by choosing a fuller season maturity than the previous year, with a good disease rating.

# AGI 1738AE

**RELATIVE MATURITY:**  
3.8

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



104%+ National Yield Index in every state tested (2020)

+1.7 bpa over AGI 9739AE (2020)

61% win rate (2020)

Attractive, widely-adapted

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 6

**SCN:** 7.5

**SDS:** 5.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Intermediate

**Emergence:** Excellent

**Standability:** Excellent

**Seedling Vigor:** Excellent

**Flower:** White

**Pubescence:** Light Tawny

**Pod Wall:** Tan

**Hilum:** Brown

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 1738AE</b>	<b>63.1</b>	<b>18</b>	<b>2021</b>
AGI 1433AXF	62.2	18	2021
<b>AGI 1738AE</b>	<b>63.1</b>	<b>18</b>	<b>2021</b>
SC 7361E	61.4	18	2021
<b>AGI 1738AE</b>	<b>63.1</b>	<b>18</b>	<b>2021</b>
DM 36E61	61.7	18	2021

SGD Medium Test Replicated Plot data



**CROP NOTES:** Supplementing plants with potassium and sulfur may boost yields in an average-performing soybean field.

# AGI 9739AE

**RELATIVE MATURITY:**  
3.9

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



#2 best seller

#2 in SGD Medium Test (2021)

106% National Yield Index  
in Kansas, Missouri, Illinois,  
Kentucky, Indiana, Ohio

PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 8

**SCN:** 8

**SDS:** 7.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7

### CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Intermediate

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** White

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Buff

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 9739AE</b>	<b>68.1</b>	<b>18</b>	<b>2021</b>
AGI 3801RX	66.3	18	2021
<b>AGI 9739AE</b>	<b>68.1</b>	<b>18</b>	<b>2021</b>
SC 7361E	61.4	18	2021
<b>AGI 9739AE</b>	<b>68.1</b>	<b>18</b>	<b>2021</b>
DM 36E61	61.7	18	2021

SGD Medium Test Replicated Plot data



**CROP NOTES:** Talk to a seedsman about a management plan to help boost yields, as well as manage weeds.

# AGI 0743AE

**RELATIVE MATURITY:**  
4.3

**TRAITS: Enlist E3®**  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Performs across all yield environments

Adapts to varying soils, maintaining plant height

PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 9

**Frogeye:** 8.5

**SCN:** 8

**SDS:** 7.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7

### CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Intermediate

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** White

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Brown

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 0743AE</b>	<b>64.1</b>	<b>8</b>	<b>2021</b>
AG 38XF1	64.6	8	2021
<b>AGI 0743AE</b>	<b>64.1</b>	<b>8</b>	<b>2021</b>
SC 7361E	58.2	8	2021
<b>AGI 0743AE</b>	<b>64.1</b>	<b>8</b>	<b>2021</b>
AGI 9739AE	64.4	8	2021

SGD Late Test Replicated Plot data



**CROP NOTES:** Control weeds with preemergence applications, residuals, full rates, and multiple modes of action.



# AGI 2744AE



**RELATIVE MATURITY:**  
4.4

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Great fit for higher yield environments

Exceptional performer in mid-south

Attractive

PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 8

**Frogeye:** 7

**SCN:** 7.5

**SDS:** 7

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 6

### CHARACTERISTICS

**Plant Height:** Medium-Plus

**Plant Type:** Intermediate

**Emergence:** Very Good

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** White

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 2744AE</b>	<b>53.3</b>	<b>25</b>	<b>2021</b>
TEST REGRESSION	50.2	25	2021
<b>AGI 2744AE</b>	<b>53.3</b>	<b>25</b>	<b>2021</b>
CHECK REGRESSION	51.0	25	2021

Foundation data



**CROP NOTES:** Make timely applications to manage weeds before they get out-of-hand.





# AGI 2745AE



**RELATIVE MATURITY:**  
4.5

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



Adapted to marginal and light soils in mid-south  
 .....  
 Avoid highly-productive soils to enhance standability  
 .....  
 Adapts to lower or medium populations  
 .....  
 Rps 1K gene

## DISEASE RESISTANCE (9=BEST)

<b>Stem Canker:</b> 8	<b>SWM:</b> Not Rated
<b>Frogeye:</b> 8	<b>BSR:</b> Not Rated
<b>SCN:</b> Not Rated	<b>PRR:</b> 7.5
<b>SDS:</b> 7.5	

## CHARACTERISTICS

<b>Plant Height:</b> Medium-Tall	<b>Flower:</b> Purple
<b>Plant Type:</b> Bush	<b>Pubescence:</b> Gray
<b>Emergence:</b> Very Good	<b>Pod Wall:</b> Brown
<b>Standability:</b> Good	<b>Hilum:</b> Imperfect Black
<b>Seedling Vigor:</b> Very Good	

Yield data not available at time of Seed Guide printing.



**CROP NOTES:** To avoid aborting flowers, base post-emergence herbicide application on the stage of soybean growth, not on plant height or calendar days from planting.



# AGI 2746AE



**RELATIVE MATURITY:**  
4.6

**TRAITS:** Enlist E3®  
(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



113.5% of check regression in low yield environments  
 .....  
 109% of check regression in high yield environments  
 .....  
 Market leader in the south and mid-south  
 .....  
 Adapts to clay soils  
 .....  
 Exceptional stress tolerance  
 .....  
 PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 8  
**Frogeye:** 6.5  
**SCN:** 8  
**SDS:** 6  
**SWM:** Not Rated  
**BSR:** Not Rated  
**PRR:** Not Rated

### CHARACTERISTICS

**Plant Height:** Medium-Tall  
**Plant Type:** Medium Bush  
**Emergence:** Very Good  
**Standability:** Good  
**Seedling Vigor:** Very Good  
**Flower:** Purple  
**Pubescence:** Gray  
**Pod Wall:** Brown  
**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 2746AE</b>	<b>61.2</b>	<b>25</b>	<b>2021</b>
TEST REGRESSION	55.2	25	2021
<b>AGI 2746AE</b>	<b>61.2</b>	<b>25</b>	<b>2021</b>
CHECK REGRESSION	57.9	25	2021

Foundation data



**CROP NOTES:** Run augers slow. Many farmers use seed tenders to fill planters and treat their own seed. Augers are often used to move seed, but can be tough on it.

# AGI 25M04

**RELATIVE MATURITY:**  
2.5

**TRAITS: GT1**  
(Tolerance to Glyphosate)



Older, proven genetics that compete with new

Consistent performance across all soil types

Strong emergence

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** Not Rated

**SCN:** 6

**SDS:** 7

**SWM:** 6.5

**BSR:** Moderate

**PRR:** 7

## CHARACTERISTICS

**Plant Height:** Medium Tall

**Plant Type:** Medium Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** White

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 25M04</b>	<b>73.4</b>	<b>14</b>	<b>East</b>
TEST MEAN	63.2	14	East
<b>AGI 25M04</b>	<b>73.4</b>	<b>14</b>	<b>East</b>
P 92B38RR	62.4	14	East
<b>AGI 25M04</b>	<b>73.4</b>	<b>14</b>	<b>East</b>
A2107NRR	58.9	14	East



**CROP NOTES:** The “unifoliate stage” refers to a plant that develops two leaves on opposite sides of the stem, across from each other.

# AGI 31M04

**RELATIVE MATURITY:**  
3.1

**TRAITS: GT1**  
(Tolerance to Glyphosate)



Strong preference for eastern Indiana and Ohio

Adapts to varying soils

Older, proven genetics that can compete with new

Moves south when early line is required

Rps c gene

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** 9

**SCN:** Not Rated

**SDS:** 6

**SWM:** 7

**BSR:** Resistant

**PRR:** 8

## CHARACTERISTICS

**Plant Height:** Tall

**Plant Type:** Medium Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Tawny

**Pod Wall:** N/A

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>AGI 31M04</b>	<b>58.2</b>	<b>12</b>	<b>2021</b>
TEST MEAN	59.6	12	2021
<b>AGI 31M04</b>	<b>58.2</b>	<b>12</b>	<b>2021</b>
AG 33XF1	57.8	12	2021
<b>AGI 31M04</b>	<b>58.2</b>	<b>12</b>	<b>2021</b>
AGI 0730AE	59.1	12	2021

SGD Medium Test Replicated Plot data



**CROP NOTES:** In the “unifoliate stage”, soybean plants begin to sense night length.

# DIRECT 9934GT

LIMITED

**RELATIVE MATURITY:**  
3.4

**TRAITS: GT1**  
(Tolerance to Glyphosate)



Stacked with STS

Strong lateral branching

Rps c gene

Older, proven genetics that compete with new

Excellent companion for AGI 31M04

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** 8

**SCN:** 7.5

**SDS:** 7

**SWM:** 7.5

**BSR:** Not Rated

**PRR:** 8

### CHARACTERISTICS

**Plant Height:** Medium-Tall

**Plant Type:** Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Imperfect Black

	YIELD	TEST LOCATIONS	YEAR
<b>DIRECT 9934GT</b>	<b>62.8</b>	<b>12</b>	<b>2021</b>
TEST MEAN	59.6	12	2021
<b>DIRECT 9934GT</b>	<b>62.8</b>	<b>12</b>	<b>2021</b>
AG 33XF1	57.8	12	2021
<b>DIRECT 9934GT</b>	<b>62.8</b>	<b>12</b>	<b>2021</b>
AGI 1433AXF	59.8	12	2021

SGD Medium Test Replicated Plot data

**CROP NOTES:** When the nights are long enough (ie: sufficient hours of darkness), the plant's internal clock tells it to start flowering.

# DIRECT 9938GT

**RELATIVE MATURITY:**  
3.8

**TRAITS: GT1**  
(Tolerance to Glyphosate)



Older, proven genetics that compete with new

Rps k gene

Excellent emergence

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** 7.1

**SCN:** 7.5

**SDS:** 7.1

**SWM:** 7.2

**BSR:** Not Rated

**PRR:** 7.3

### CHARACTERISTICS

**Plant Height:** Medium

**Plant Type:** Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** White

**Pubescence:** Light Tawny

**Pod Wall:** Tan

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>DIRECT 9938GT</b>	<b>60.7</b>	<b>6</b>	<b>2020</b>
TEST MEAN	59.2	6	2020
<b>DIRECT 9938GT</b>	<b>60.7</b>	<b>6</b>	<b>2020</b>
AGI 3502RX	56.6	6	2020
<b>DIRECT 9938GT</b>	<b>60.7</b>	<b>6</b>	<b>2020</b>
DM 36E61	61.8	6	2020

SGD 2020 Late Test Replicated Plot data

**CROP NOTES:** Flowering indicates the beginning of the reproductive, or grain-fill, stage.



# DIRECT 2944GT

LIMITED

**RELATIVE MATURITY:**  
4.4

**TRAITS: GT1**  
(Tolerance to Glyphosate)



Older, proven genetics that compete with new

Tends to be large seeded

PI 88.788/R3; MR 14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** 8

**SCN:** 7

**SDS:** 7.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7.5

## CHARACTERISTICS

**Plant Height:** Medium

**Plant Type:** Medium Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Not Rated

**Pubescence:** Tawny Tan

**Pod Wall:** Not Rated

**Hilum:** Not Rated

Yield data not available at time of Seed Guide printing.

**CROP NOTES:** Flowering shifts back into normal or "low gear" after the solstice.

# DIRECT 8129

**RELATIVE MATURITY:**  
2.9

**TRAITS:**  
Conventional



Yields with fuller maturity  
conventional lines

No gene but strong PRR field  
tolerance

Exhibits STS trait

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** Not Rated

**SCN:** 8.5

**SDS:** 8.2

**SWM:** Not Rated

**BSR:** Resistant

**PRR:** 8.1

## CHARACTERISTICS

**Plant Height:** Medium

**Plant Type:** Medium Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Light Tawny

**Pod Wall:** Tan

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>DIRECT 8129</b>	<b>57.6</b>	<b>20</b>	--
DIRECT 8326LL	55.4	20	--
<b>DIRECT 8129</b>	<b>52.3</b>	<b>19</b>	--
DIRECT 8332LL	51.9	19	--
<b>DIRECT 8129</b>	<b>63.8</b>	<b>24</b>	--
ASG 3253	59.5	24	--

**CROP NOTES:** The “R8” growth stage is when a plant is physiologically mature.

# DIRECT 8133

**RELATIVE MATURITY:**  
3.3

**TRAITS:**  
Conventional



Strong line north and south of I-70

41.2% protein, 20.5% seed oil (per Foundation)

Nice branching ability

Rps c gene

PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Not Rated

**Frogeye:** Not Rated

**SCN:** 8

**SDS:** 7.6

**SWM:** 6.4

**BSR:** Moderate

**PRR:** 7.6

### CHARACTERISTICS

**Plant Height:** Medium

**Plant Type:** Medium Bush

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Excellent

**Flower:** Purple

**Pubescence:** Gray

**Pod Wall:** Brown

**Hilum:** Buff

	YIELD	TEST LOCATIONS	YEAR
<b>DIRECT 8133</b>	<b>58.8</b>	<b>2</b>	--
TEST AVERAGE	58.7	2	--
<b>DIRECT 8133</b>	<b>58.8</b>	<b>2</b>	--
SG 3328LL	53.9	2	--
<b>DIRECT 8133</b>	<b>58.8</b>	<b>2</b>	--
ASG 33X8	50.0	2	--

**CROP NOTES:** In “R8”, 95% of the pods appear a mature color — either brownish or gray based on the variety. Harvest soybeans when 95% of pods are a tan color and moisture levels are 13% to 15%.



# DIRECT 2137

**RELATIVE MATURITY:**  
3.7

**TRAITS:**  
Conventional



High yields from east to west

Rps k gene

PI 88.788/R3; MR14

## DISEASE RESISTANCE (9=BEST)

**Stem Canker:** Resistant

**Frogeye:** 8.5

**SCN:** 8.5

**SDS:** 7.5

**SWM:** Not Rated

**BSR:** Not Rated

**PRR:** 7.5

## CHARACTERISTICS

**Plant Height:** Medium

**Plant Type:** Intermediate

**Emergence:** Excellent

**Standability:** Very Good

**Seedling Vigor:** Very Good

**Flower:** Purple

**Pubescence:** Light Tawny

**Pod Wall:** Brown

**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>DIRECT 2137</b>	<b>75.6</b>	<b>Eastern, Central, Western Corn Belt</b>	<b>2021</b>
<i>P 34A50</i>	76.4	Eastern, Central, Western Corn Belt	2021
<b>DIRECT 2137</b>	<b>75.6</b>	<b>Eastern, Central, Western Corn Belt</b>	<b>2021</b>
<i>P 38A10</i>	74.2	Eastern, Central, Western Corn Belt	2021
<b>DIRECT 2137</b>	<b>75.6</b>	<b>Eastern, Central, Western Corn Belt</b>	<b>2021</b>
<i>P 35A41</i>	74.2	Eastern, Central, Western Corn Belt	2021

Foundation data

**CROP NOTES:** Moisture levels lower than 13% can cause beans to have a much higher chance of shattering, being brittle, or splitting.



# DIRECT 2141

**RELATIVE MATURITY:**  
4.1

**TRAITS:**  
Conventional



Strong eye appeal  
-----  
STS tolerant  
-----  
PI 88.788/R3; MR14

### DISEASE RESISTANCE (9=BEST)

**Stem Canker:** 8  
**Frogeye:** 8.5  
**SCN:** 8.5  
**SDS:** 8

**SWM:** Not Rated  
**BSR:** Not Rated  
**PRR:** Not Rated

### CHARACTERISTICS

**Plant Height:** Medium  
**Plant Type:** Medium Bush  
**Emergence:** Excellent  
**Standability:** Very Good  
**Seedling Vigor:** Excellent

**Flower:** Purple  
**Pubescence:** Light Tawny  
**Pod Wall:** Brown  
**Hilum:** Black

	YIELD	TEST LOCATIONS	YEAR
<b>DIRECT 2141</b>	<b>72.3</b>	<b>Eastern, Central, Western Corn Belt</b>	<b>2021</b>
<i>P 41T07E</i>	70.2	Eastern, Central, Western Corn Belt	2021
<b>DIRECT 2141</b>	<b>71.0</b>	<b>Eastern, Central, Western Corn Belt</b>	<b>2021</b>
<i>P 35A41</i>	69.2	Eastern, Central, Western Corn Belt	2021
<b>DIRECT 2141</b>	<b>75.6</b>	<b>Eastern, Central, Western Corn Belt</b>	<b>2021</b>
<i>AG 36X6</i>	70.4	Eastern, Central, Western Corn Belt	2021

Foundation data

**CROP NOTES:** Sometimes when pods reach maturity, the stem stays green. The R8 growth stage is only based on the color of pods, so train your eye.





# **WHEAT**

*LINEUP*

**7 VARIETIES**

**VERY EARLY TO MEDIUM-FULL MATURITY**

**BEARDED AND SMOOTH**



# WHEAT PROTECTIONS

## TREATMENT OPTIONS

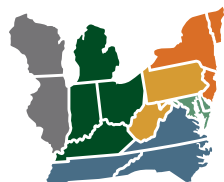











### CONFIDENCE AGAINST MOTHER NATURE

<i><b>DISEASES:</b></i>		<i><b>INSECTS:</b></i>	
<ul style="list-style-type: none"> <li>• Barley Yellow Dwarf Mosaic</li> <li>• Crown Rot</li> <li>• Common Bunt (Stinking Smut)</li> <li>• Damping Off</li> <li>• General Seed Rots</li> </ul>	<ul style="list-style-type: none"> <li>• Loose Smut</li> <li>• Powdery Mildew</li> <li>• Pythium</li> <li>• Rhizoctonia</li> <li>• Root Rot</li> <li>• Scab</li> <li>• Seedling Blight</li> </ul>	<ul style="list-style-type: none"> <li>• Almond Moth</li> <li>• Angoumois Grain Moth</li> <li>• Aphids</li> <li>• Bean Weevil</li> <li>• Confused Flour Beetle</li> <li>• Hessian Fly</li> <li>• Indian Meal Moth</li> </ul>	<ul style="list-style-type: none"> <li>• Larger Grain Borer</li> <li>• Lesser Grain Borer</li> <li>• Sawtooth Grain Beetle</li> <li>• Merchant Grain Beetle</li> <li>• Wireworms</li> </ul>
<i><b>ENHANCEMENTS:</b></i>		<i><b>TERMS:</b></i>	
<ul style="list-style-type: none"> <li>• 4 fungicides</li> </ul>	<ul style="list-style-type: none"> <li>• Insecticide</li> </ul>	<ul style="list-style-type: none"> <li>• All treated wheat orders</li> </ul>	<ul style="list-style-type: none"> <li>• Only \$4/unit more than untreated</li> </ul>



# WHEAT YIELD CONTESTS



NATIONAL WHEAT YIELD CONTEST PRIZES:	STATE WHEAT YIELD CONTEST PRIZES:	SGD WHEAT YIELD CONTEST PRIZES:
 <ul style="list-style-type: none"> <li>• \$2,500 in SGD seed<sup>1</sup></li> <li>• \$2,500 in herbicide if HD customer, \$1,250 if not<sup>3</sup></li> <li>• Trip to Commodity Classic<sup>2</sup></li> <li>• NWF plaque<sup>2</sup></li> </ul>	 <ul style="list-style-type: none"> <li>• \$2,500 in SGD seed<sup>1</sup></li> <li>• \$2,500 in herbicide if HD customer, \$1,250 if not<sup>3</sup></li> <li>• State prizes</li> </ul>	 <ul style="list-style-type: none"> <li>• \$2,500 in SGD seed<sup>1</sup></li> <li>• \$2,500 in herbicide if HD customer, \$1,250 if not<sup>3</sup></li> </ul>
 <ul style="list-style-type: none"> <li>• \$1,500 in SGD seed<sup>1</sup></li> <li>• \$1,500 in herbicide if HD customer, \$750 if not<sup>3</sup></li> <li>• Trip to Commodity Classic<sup>2</sup></li> <li>• NWF plaque<sup>2</sup></li> </ul>	 <ul style="list-style-type: none"> <li>• \$1,500 in SGD seed<sup>1</sup></li> <li>• \$1,500 in herbicide if HD customer, \$750 if not<sup>3</sup></li> <li>• State prizes</li> </ul>	 <ul style="list-style-type: none"> <li>• \$1,500 in SGD seed<sup>1</sup></li> <li>• \$1,500 in herbicide if HD customer, \$750 if not<sup>3</sup></li> </ul>
 <ul style="list-style-type: none"> <li>• \$1,000 in SGD seed<sup>1</sup></li> <li>• \$1,000 in herbicide if HD customer, \$500 if not<sup>3</sup></li> <li>• Trip to Commodity Classic<sup>2</sup></li> <li>• NWF plaque<sup>2</sup></li> </ul>	 <ul style="list-style-type: none"> <li>• \$1,000 in SGD seed<sup>1</sup></li> <li>• \$1,000 in herbicide if HD customer, \$500 if not<sup>3</sup></li> </ul>	 <ul style="list-style-type: none"> <li>• \$1,000 in SGD seed<sup>1</sup></li> <li>• \$1,000 in herbicide if HD customer, \$500 if not<sup>3</sup></li> </ul>

	SGD WHEAT YIELD CONTEST:	NATIONAL AND STATE WHEAT YIELD CONTEST:
<b>ENTRY</b>	Complete the entry form at <a href="http://seedgeneticsdirect.com">seedgeneticsdirect.com</a> or provide SGD with a copy of a completed NWF contest entry form.	Complete the entry form at <a href="http://yieldcontest.wheatfoundation.org">yieldcontest.wheatfoundation.org</a> .
<b>DEADLINE</b>	July 10	May 16
<b>ENTRY FEE</b>	None	Paid by SGD

<sup>1</sup> Prizes notated with a "1" are provided by Seed Genetics Direct (SGD). To be eligible for prizes notated with a "1", grower must plant Seed Genetics Direct wheat and place with SGD wheat at the required, indicated level through the entity conducting the contest.

<sup>2</sup> Prizes notated with a "2" are provided by the National Wheat Foundation. To be eligible for prizes notated with a "2", grower must be placed at the required, indicated level in the NWF Wheat Yield Contest, as determined by NWF. Prizes subject to change.

<sup>3</sup> Prizes notated with a "3" are provided by Herbicides Direct (HD). To be eligible for prizes notated with a "3" grower must plant Seed Genetics Direct wheat and place with SGD wheat at the required, indicated level through the entity conducting the contest. Prizes subject to change.

National and state entrants must hold a current membership with the Ohio Corn and Wheat Growers Association. The name on the entry form and membership must match exactly. To be eligible for Seed Genetics Direct prizes, coverage of OCVGA membership, and contest entry fees, entrants must plant Seed Genetics Direct wheat seed and grant Seed Genetics Direct, NWF, NWYC, and OCVGA permission to use contest information such as, but not limited to, entrant's name, photo, location, and photos of entrant's property and plants) without limitation in marketing and publicity materials and any other way deemed appropriate by Seed Genetics Direct. Winners receive awards for the highest prize level attained, providing qualifications and agreements are met. Awards are non-transferable and cannot be transferred to cash awards. Taxes, if applicable, are the sole responsibility of each prize winner.

NEW

## AGI 115B

KEY  
FEATURES

Industry's best early line

Attractive, golden glow at  
maturity5 days earlier than  
AGI 217B**RELATIVE MATURITY:** Very Early**DISEASE RESISTANCE (9=BEST)**

Fusarium Head Scab Marker: Yes

Fusarium Head Scab Rating: 8

Leaf Rust: 8

Strip Rust: 8

Stem Rust: 8

Septoria Leaf Blotch: 8

Septoria Glume Blotch: 7

Barley Yellow Dwarf: 7

Powdery Mildew: 6

Soil Borne Mosaic: 7

**CHARACTERISTICS**

Head: Bearded

Height: Medium

Lodging: 7

Test Weight: 7

Winter Hardiness: 9

Hessian Fly: Not Rated

## AGI 220B

KEY  
FEATURESTest Weight Winner  
(60.3 pounds in Ohio Wheat  
Performance Test)

Complete package

Aggressive tillering with erect  
flagAdapts to varying soils and  
management practicesBest performance in Northwest  
Ohio and Northeast Indiana**RELATIVE MATURITY:** Medium Early**DISEASE RESISTANCE (9=BEST)**

Fusarium Head Scab Marker: Yes

Fusarium Head Scab Rating: 7.5

Leaf Rust: 6

Strip Rust: 8

Stem Rust: 6

Septoria Leaf Blotch: 8

Septoria Glume Blotch: 8

Barley Yellow Dwarf: 8

Powdery Mildew: 7

Soil Borne Mosaic: 7

**CHARACTERISTICS**

Head: Bearded

Height: Medium

Lodging: 8

Test Weight: 9

Winter Hardiness: 7

Hessian Fly: Susc

NEW

## AGI 218

KEY  
FEATURES

Excellent straw variety

Works on varying soils

Tolerant to wet feet

3-4 inches taller than AGI 114

Yields with AGI 220B and 217B

**RELATIVE MATURITY:** Medium Early

## DISEASE RESISTANCE (9=BEST)

Fusarium Head Scab Marker: Yes

Fusarium Head Scab Rating: 8.5

Leaf Rust: 7

Strip Rust: 8

Stem Rust: 8

Septoria Leaf Blotch: 7

Septoria Glume Blotch: 8

Barley Yellow Dwarf: 8

Powdery Mildew: 7

Soil Borne Mosaic: 5

## CHARACTERISTICS

Head: Smooth

Height: Medium-Tall

Lodging: 8

Test Weight: 8

Winter Hardiness: 8

Hessian Fly: Susc

## AGI 114

KEY  
FEATURES

Works across a variety of soils

Heavy bucket weight

Very uniform and attractive

Excellent disease package

Consistent, workhorse

**RELATIVE MATURITY:** Medium

## DISEASE RESISTANCE (9=BEST)

Fusarium Head Scab Marker: Yes

Fusarium Head Scab Rating: 8

Leaf Rust: 6

Strip Rust: 9

Stem Rust: 7

Septoria Leaf Blotch: 7

Septoria Glume Blotch: 8

Barley Yellow Dwarf: 7

Powdery Mildew: 7

Soil Borne Mosaic: 7

## CHARACTERISTICS

Head: Smooth

Height: Medium

Lodging: 8

Test Weight: 8

Winter Hardiness: 8

Hessian Fly: R (Bio L)



# AGI 301



Potential replacement for  
AGI 114

Very good standability

Yield edge over AGI 114  
(plus 16.4 BPA in  
Foundation Trials)

**RELATIVE MATURITY:** Medium

## DISEASE RESISTANCE (9=BEST)

Fusarium Head Scab Marker: Yes  
Fusarium Head Scab Rating: 7  
Leaf Rust: 6.5  
Strip Rust: 6  
Stem Rust: Not Rated

Septoria Leaf Blotch: 7  
Septoria Glume Blotch: 7  
Barley Yellow Dwarf: 6.5  
Powdery Mildew: 8  
Soil Borne Mosaic: 6

## CHARACTERISTICS

Head: Smooth  
Height: Medium  
Lodging: 7.5

Test Weight: 6  
Winter Hardiness: 8  
Hessian Fly: Not Rated

# AGI 217B



Best seller

#1 in Ohio Wheat Performance  
Trials in Wood County  
(117.4 BPA)

Top 4-year yield average in  
Ohio Wheat Performance Trials

Yield monster

Responds to fungicide

**RELATIVE MATURITY:** Medium

## DISEASE RESISTANCE (9=BEST)

Fusarium Head Scab Marker: Yes  
Fusarium Head Scab Rating: 7  
Leaf Rust: 5  
Strip Rust: 4  
Stem Rust: Not Rated

Septoria Leaf Blotch: 7  
Septoria Glume Blotch: 7  
Barley Yellow Dwarf: 6  
Powdery Mildew: 6  
Soil Borne Mosaic: 8

## CHARACTERISTICS

Head: Bearded  
Height: Medium  
Lodging: 8

Test Weight: 8  
Winter Hardiness: 8  
Hessian Fly: R (Bio L)



NEW

## AGI 223B

KEY  
FEATURES

Industry best-selling new line

Considered "best release ever"  
by Foundation Company

Potential replacement and  
superior disease package  
to AGI 217B

Extremely versatile regardless of  
soil or management practices

**RELATIVE MATURITY:** Medium Full

**DISEASE RESISTANCE (9=BEST)**

Fusarium Head Scab Marker: Yes

Fusarium Head Scab Rating: 8

Leaf Rust: 8

Strip Rust: 8

Stem Rust: 8

Septoria Leaf Blotch: 7

Septoria Glume Blotch: 7

Barley Yellow Dwarf: 8

Powdery Mildew: 7

Soil Borne Mosaic: 8

**CHARACTERISTICS**

Head: Bearded

Height: Medium

Lodging: 8

Test Weight: 7

Winter Hardiness: 8

Hessian Fly: Not Rated







# **ALFALFA**

*LINEUP*

**10 VARIETIES**

**4-5 FALL DORMANCY**

**1.5-3 WINTER HARDINESS**

**HAYLAGE AND DRY BALE PREFERENCES**

# SS 120

## KEY FEATURES

High-producing

Fine stemmed

Good stand persistence

Traffic tolerant

Performs well in moderate input environments

3-5 cuts per season

### RESISTANCE RATINGS

**Anthracnose:** Resistant

**Aphanomyces-Race 1:** Resistant

**Aphanomyces-Race 2:** Not Rated

**Bacterial Wilt:** High

**Fusarium Wilt:** High

**Phytophthora Root Rot:** High

**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated

**Cowpea Aphid:** Not Rated

**Pea Aphid:** Not Rated

**Potato Leafhopper:** Not Rated

**Spotted Alfalfa Aphid:** Not Rated

**Northern Root Knot:** Not Rated

**Stem Nematode:** Not Rated

### CHARACTERISTICS

**Fall Dormancy:** 4

**Winter Hardiness (1=Highest):** 2

**Multifoliate Leaf Exp.:** Not Rated

**FastGrowth Rating\*:** Not Rated



# 405

## KEY FEATURES

Widely-adapted

Varying appearance at harvest maturity

Value blend

### RESISTANCE RATINGS

**Anthracnose:** Resistant

**Aphanomyces-Race 1:** Resistant

**Aphanomyces-Race 2:** Not Rated

**Bacterial Wilt:** High

**Fusarium Wilt:** Resistant

**Phytophthora Root Rot:** High

**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated

**Cowpea Aphid:** Not Rated

**Pea Aphid:** Resistant

**Potato Leafhopper:** Not Rated

**Spotted Alfalfa Aphid:** Not Rated

**Northern Root Knot:** Not Rated

**Stem Nematode:** Not Rated

### CHARACTERISTICS

**Fall Dormancy:** 4

**Winter Hardiness (1=Highest):** 2

**Multifoliate Leaf Exp.:** Moderate

**FastGrowth Rating\*:** Not Rated

*\*FastGrowth Ratings are calculated from weekly measurement of varieties grown side-by-side from green-up to harvest through the growing season.  
Expressed as average centimeters growth per day.*

*>2.20 = Very Fast; >2.00 = Fast; >1.80 = Average; >1.60 = Slow; <1.60 = Very Slow.*



# SW™ 425

## KEY FEATURES

Premium blend of proprietary alfalfa varieties

Extremely high disease resistance score

Well-rounded

4-5 cuts per season

### RESISTANCE RATINGS

**Anthracnose:** High

**Aphanomyces-Race 1:** High

**Aphanomyces-Race 2:** Resistant

**Bacterial Wilt:** High

**Fusarium Wilt:** High

**Phytophthora Root Rot:** High

**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated

**Cowpea Aphid:** Not Rated

**Pea Aphid:** Resistant

**Potato Leafhopper:** Not Rated

**Spotted Alfalfa Aphid:** Resistant

**Northern Root Knot:** Not Rated

**Stem Nematode:** Not Rated

### CHARACTERISTICS

**Fall Dormancy:** 4

**Winter Hardiness (1=Highest):** 3

**Multifoliate Leaf Exp.:** Not Rated

**FastGrowth Rating\*:** Not Rated

# FREEDOMSTAR RR

## KEY FEATURES

Dependable forage

Optimum yield potential

Moderate to fast recovery after cutting

Traffic tolerant

3-5 cuts per season

### RESISTANCE RATINGS

**Anthracnose:** Resistant

**Aphanomyces-Race 1:** Resistant

**Aphanomyces-Race 2:** Not Rated

**Bacterial Wilt:** High

**Fusarium Wilt:** High

**Phytophthora Root Rot:** High

**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated

**Cowpea Aphid:** Not Rated

**Pea Aphid:** Not Rated

**Potato Leafhopper:** Not Rated

**Spotted Alfalfa Aphid:** Not Rated

**Northern Root Knot:** Not Rated

**Stem Nematode:** Not Rated

### CHARACTERISTICS

**Fall Dormancy:** 4

**Winter Hardiness (1=Highest):** 2

**Multifoliate Leaf Exp.:** Not Rated

**FastGrowth Rating\*:** Not Rated



# AMERISTAND 457TQ RR

## KEY FEATURES

Perfect disease resistance score

Excellent forage quality

Traffic tolerant

Very fast recovery for frequent harvest schedules under intensive management

4-5 cuts per season

## RESISTANCE RATINGS

**Anthracnose:** High  
**Aphanomyces-Race 1:** High  
**Aphanomyces-Race 2:** High  
**Bacterial Wilt:** High  
**Fusarium Wilt:** High  
**Phytophthora Root Rot:** High  
**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated  
**Cowpea Aphid:** Not Rated  
**Pea Aphid:** Not Rated  
**Potato Leafhopper:** Not Rated  
**Spotted Alfalfa Aphid:** Not Rated  
**Northern Root Knot:** Not Rated  
**Stem Nematode:** Not Rated

## CHARACTERISTICS

**Fall Dormancy:** 4.2  
**Winter Hardiness (1=Highest):** 1.8

**Multifoliate Leaf Exp.:** Not Rated  
**FastGrowth Rating\*:** Very Fast



# AFX 463 RR

## KEY FEATURES

High yield potential in multiple environments

Excellent standability

Glyphosate herbicide applied early season improves establishment success and first-year yield

## RESISTANCE RATINGS

**Anthracnose:** High  
**Aphanomyces-Race 1:** Resistant  
**Aphanomyces-Race 2:** Resistant  
**Bacterial Wilt:** High  
**Fusarium Wilt:** High  
**Phytophthora Root Rot:** High  
**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated  
**Cowpea Aphid:** Not Rated  
**Pea Aphid:** Resistant  
**Potato Leafhopper:** Not Rated  
**Spotted Alfalfa Aphid:** Not Rated  
**Northern Root Knot:** Not Rated  
**Stem Nematode:** Resistant

## CHARACTERISTICS

**Fall Dormancy:** 4  
**Winter Hardiness (1=Highest):** 2

**Multifoliate Leaf Expression:** Low  
**FastGrowth Rating\*:** Average



*\*FastGrowth Ratings are calculated from weekly measurement of varieties grown side-by-side from green-up to harvest through the growing season. Expressed as average centimeters growth per day.  
 >2.20 = Very Fast; >2.00 = Fast; >1.80 = Average; >1.60 = Slow; <1.60 = Very Slow.*

# AMERISTAND 427TQ



Perfect disease resistance score

Trial-topping forage yield

Top productivity

Very fast recovery for frequent harvest schedules under intensive management

Traffic tolerant

4-5 cuttings per season

## RESISTANCE RATINGS

**Anthracnose:** High

**Aphanomyces-Race 1:** High

**Aphanomyces-Race 2:** High

**Bacterial Wilt:** High

**Fusarium Wilt:** High

**Phytophthora Root Rot:** High

**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated

**Cowpea Aphid:** Not Rated

**Pea Aphid:** Not Rated

**Potato Leafhopper:** Not Rated

**Spotted Alfalfa Aphid:** Not Rated

**Northern Root Knot:** Not Rated

**Stem Nematode:** Not Rated

## CHARACTERISTICS

**Fall Dormancy:** 4.3

**Winter Hardiness (1=Highest):** 1.8

**Multifoliate Leaf Exp.:** Not Rated

**FastGrowth Rating\*:** Very Fast



# AFX 460 HI-GEST®



High yield potential

Forward breeding for improved yield and forage

Low lignin technology

Improved fiber digestibility

Widely-adapted with top management practices

## RESISTANCE RATINGS

**Anthracnose:** High

**Aphanomyces-Race 1:** High

**Aphanomyces-Race 2:** Resistant

**Bacterial Wilt:** High

**Fusarium Wilt:** High

**Phytophthora Root Rot:** High

**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Resistant

**Cowpea Aphid:** Moderate

**Pea Aphid:** Resistant

**Potato Leafhopper:** Not Rated

**Spotted Alfalfa Aphid:** Resistant

**Northern Root Knot:** Resistant

**Stem Nematode:** Resistant

## CHARACTERISTICS

**Fall Dormancy:** 4

**Winter Hardiness (1=Highest):** 1.5

**Multifoliate Leaf Exp.:** High

**FastGrowth Rating\*:** Fast (2.03)

# SW 525LH™



High yield potential

Perfect disease resistance score

Leafhopper resistance

Highly suited for heavy soils where root rots are a concern

Works well for organic production

3-5 cuts per season

## RESISTANCE RATINGS

**Anthracnose:** High  
**Aphanomyces-Race 1:** High  
**Aphanomyces-Race 2:** High  
**Bacterial Wilt:** High  
**Fusarium Wilt:** High  
**Phytophthora Root Rot:** High  
**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Not Rated  
**Cowpea Aphid:** Not Rated  
**Pea Aphid:** High  
**Potato Leafhopper:** Resistant  
**Spotted Alfalfa Aphid:** High  
**Northern Root Knot:** Not Rated  
**Stem Nematode:** Not Rated

## CHARACTERISTICS

**Fall Dormancy:** 5  
**Winter Hardiness (1=Highest):** 2

**Multifoliate Leaf Exp.:** Not Rated  
**FastGrowth Rating\*:** Not Rated

# AFX 579



Works well in aggressively-managed acres to maximize dry matter

Early harvest maturity (3 to 5 days before most dormant alfalfas)

Dry bale preference

Tall and showy with large leave

4-5 cuts per season

## RESISTANCE RATINGS

**Anthracnose:** High  
**Aphanomyces-Race 1:** High  
**Aphanomyces-Race 2:** Resistant  
**Bacterial Wilt:** High  
**Fusarium Wilt:** High  
**Phytophthora Root Rot:** High  
**Verticillium Wilt:** High

**Blue Alfalfa Aphid:** Resistant  
**Cowpea Aphid:** Resistant  
**Pea Aphid:** Resistant  
**Potato Leafhopper:** Not Rated  
**Spotted Alfalfa Aphid:** Resistant  
**Northern Root Knot:** Not Rated  
**Stem Nematode:** Resistant

## CHARACTERISTICS

**Fall Dormancy:** 5  
**Winter Hardiness (1=Highest):** 2.5

**Multifoliate Leaf Expression:** Low  
**FastGrowth Rating\*:** Very Fast (2.26)

*\*FastGrowth Ratings are calculated from weekly measurement of varieties grown side-by-side from green-up to harvest through the growing season. Expressed as average centimeters growth per day.*

*>2.20 = Very Fast; >2.00 = Fast; >1.80 = Average; >1.60 = Slow; <1.60 = Very Slow.*





# RESOURCES AND FORMULAS

## BY THE NUMBERS

# 400

EMPLOYEE YEARS OF EXPERIENCE IN AGRICULTURE



CHRIS JEFFRIES, PRESIDENT = **40+**  
TODD JEFFRIES, VICE PRESIDENT = **25+**



**26**

RESEARCH LOCATIONS



**40**

TEST SITES



**44**

CORN TESTS



**24**

SOYBEAN TESTS



**30,000+**

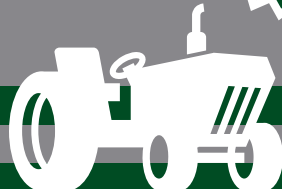
YIELD PLOTS

**100%**  
on treated corn

**100%**  
on treated soybeans  
*(order by Nov. 10)*

**REPLANT GUARANTEE**

**50%**  
on treated soybeans  
*(order after Nov. 10)*



**WE OFFER:**

**10** ALFALFA OFFERINGS

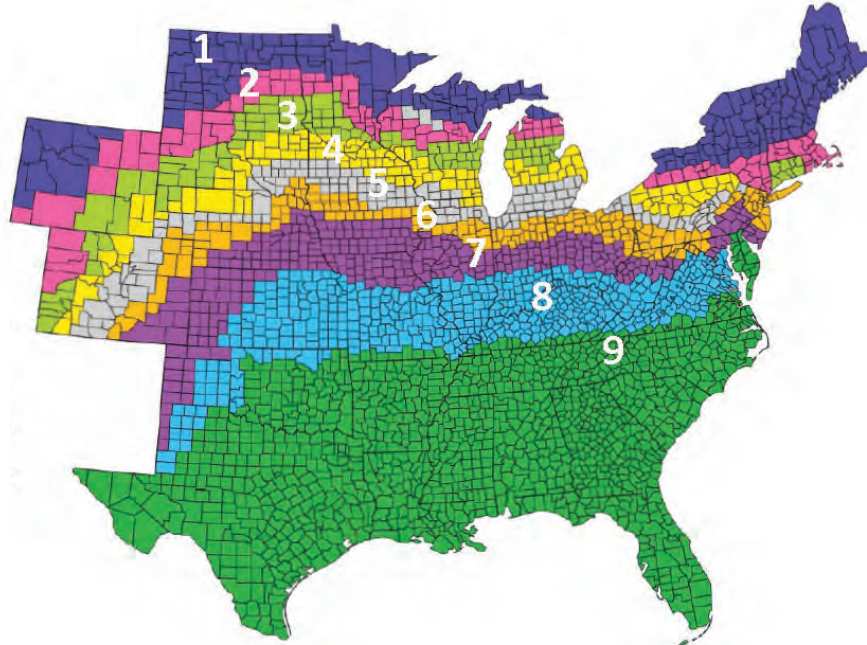
**34** CORN HYBRIDS

**7** WHEAT OFFERINGS

**28** SOYBEAN OFFERINGS

TREATMENTS AND HERBICIDES

# CORN ADAPTION ZONES—RELATIVE MATURITY



**MATURITY ZONES**

- 1 ■ <80 day
- 2 ■ 81-90 day
- 3 ■ 91-100 day
- 4 ■ 101-105 day
- 5 ■ 106-109 day
- 6 ■ 110-113 day
- 7 ■ 114-116 day
- 8 ■ 117-119 day
- 9 ■ 120+ day

# CORN PLANTER PLATE GUIDE FOR FLAT KERNELS\*

COLUMN →		11	12	13	14	15	16	17	18
GRADE SIZE→		LF	LF	MF	MF	MF	MF	SF	SF
JOHN DEERE	16 cell	2156	695	2504	694	697	1571	1268	
L.A. PLASTIC "B" SERIES FOR JOHN DEERE	16 cell	B5-16	B8-16	B11-16	B7-16	B6-16	B10-16	B9-16	B19-16
JOHN DEERE	24 cell	2594	950	2848	1302	30070	16237	16236	
L.A. PLASTIC "B" SERIES FOR JOHN DEERE	24 cell	B5-24X	B8-24X	B11-24	B7-24	B6-24	B10-24	B9-24	B19-24
IHC	16 cell	1978	1977	1977	1975	1975	3236	3236	
L.A. PLASTIC "C" SERIES FOR IHC	16 cell	C8-16	C7-16	C7-16	C6-16	C6-16	C9-16	C9-16	C9-16
IHC	24 cell	469-811	469-810	469-810	469-809	469-809	480-190	480-190	
L.A. PLASTIC "C" SERIES FOR IHC	24 cell	C8-24	C7-24	C7-24	C6-24	C6-24	C9-24	C9-24	C19-24

## CORN PLANTER PLATE GUIDE FOR ROUND KERNELS\*

COLUMN →		21	22	23	24	25	26	27	28
GRADE SIZE →		LR	LR	MR	MR	MR	MR	SR	SR
JOHN DEERE	16 cell	2044	2044	1933	1933	1933	2043		2295
L.A. PLASTIC "B" SERIES FOR JOHN DEERE	16 cell	B0-16	B54-16	B1-16X	B1-16X	B150-16	B2-16	B25-16	B3-16X
JOHN DEERE	24 cell	2712	2712	10853	10853	10853	2824		16238
L.A. PLASTIC "B" SERIES FOR JOHN DEERE	24 cell	B0-24	B54-24	B1-24X	B1-24X	B150-24	B2-24	B25-24	B3-24X
IHC	16 cell	462-355	462-354	3561-A	3324-A	3324-A	3398-A		3314-A
L.A. PLASTIC "C" SERIES FOR IHC	16 cell	COX-16	C54-16	C1X-16	C150-16	C150-16	C2X-16	C25X-16	C3-16
IHC	24 cell	3043AA	489-439	3043AA	480-510	489-437	489-438		492-498
L.A. PLASTIC "C" SERIES FOR IHC	24 cell	COX-24	C54-24	C1X-24	C150-24	C150-24	C2X-24	C25X-24	C3-24

## CORN PLANTER PLATELESS\*

BAG WEIGHT →	<36 LBS		36-38 LBS		39-50 LBS		51-61 LBS		>61 LBS	
JD FINGER PICKUP	Reduce Max. Speed by 30%		Reduce Max. Speed by 30%		Reduce Max. Speed by 10%		Max. Recommended Speed		Max. Recommended Speed	
KINZE FINGER	Reduce Max. Speed by 30%		Reduce Max. Speed by 30%		Reduce Max. Speed by 10%		Max. Recommended Speed		Max. Recommended Speed	
JD VACUUM 1700 SERIES 7200 SERIES	Disc.	Vac.	Disc.	Vac.	Disc.	Vac.	Disc.	Vac.	Disc.	Vac.
	A43215	4.5-8.0	A43215	4.5-8.0	A43215	6.0-12.5	A50617	9.0-13.0	A50617	9.0-13.0
	H136478	8.0-13.0	H136478	8.0-13.0			A43215	6.0-12.5		
CASE IH EARLY RISER CYCLO	8-9 oz. Air Brush - Full Up		8-9 oz. Air Brush - Full Up		8-9 oz. Air Brush - Full Up		9-11 oz. Air Brush - Half Down		Max. Recommended Speed	
AGCO/WHITE 5000/6000	Disc.	Vac.	Disc.	Air	Disc.	Air	Disc.	Air	Disc.	Air
	247396B	2.5-3.5	Small 852436	2.0-2.5	Medium 852435	1.5-2.2	Medium 852435	1.5-2.5	Large 852434	1.5-2.5
	247454B	2.0-3.0	Very Small 852437		Small 852436					

\* These are recommendations only. Use your operators manual to determine the best setting for your planter. Be sure to check planter operation under field conditions for proper rate of seed drop. See suggested plate column printed on bag to select printer plate. The speed at which you plant, or wear of planter, may require a larger plate-smaller column number or smaller plate-larger column number. Check plates at maximum field speeds before planting.



## CORN POPULATION CHECK

Length of row equal to 1/1000 acre at different row widths:

ROW	LENGTH EQUAL TO ROW 1/1000 ACRE
7"	74' 8"
10"	52' 3"
15"	34' 10"
20"	26' 2"
30"	17' 5"
36"	14' 6"
38"	13' 9"
40"	13' 1"



## CORN REPLANT FACTORS

Before you replant, determine the net gain versus expenses incurred by:

1. Determining the number of plants per 1/1000 acre at several sites within field (see "Corn Population Check" above)
2. Comparing the estimated yield of the original planting date/existing corn versus that of likely replanting date (see "Corn Stand Evaluation/Yield Potential" chart below)
3. Considering estimated replanting costs (fuel, herbicide, insecticide, labor, etc.)
4. Comparing estimated market prices for normal yield and replant yield

## CORN STAND EVALUATION/YIELD POTENTIAL

PLANTS PER ACRE →	10K	15K	20K	25K	30K	35K	40K
PLANTING DATE ↓	% OF MAXIMUM YIELD						
APRIL 1	54	68	78	88	95	99	99
APRIL 10	57	70	81	91	97	100	100
APRIL 20	58	71	81	91	97	100	99
APRIL 30	58	70	80	89	95	97	96
MAY 9	55	68	77	86	91	93	91
MAY 19	50	63	72	80	85	86	84
MAY 29	44	56	65	73	77	78	75
JUNE 8	35	47	56	63	67	67	64

Deduct an additional 5% for the common gap size greater than 3 feet. If less than 3 feet, deduct 2% for uneven stand. Source: Nafziger

## CORN YIELD ESTIMATE FORMULA

$$\frac{\text{Ears per 1/1000 of an acre} \times \text{\# of rows (width)} \times \text{\# of kernels per row (length)} \times .01116}{=} \text{ESTIMATED BUSHELS PER ACRE AT 15.5\%}$$

## FORAGE FIELD SEED RATES

CROP	CROP SEEDING RATE (LBS/ACRE)	DEPTH TO SOW (INCHES)	PLANTING DATE
Alfalfa	12 to 20	1/2"	3/1-5/1, 8/1-9/15
Birdsfoot Trefoil	8 to 12	1/2"	3/1-5/1
Bluegrass, Ky. (pasture)	20 to 30	1/2"	Early Spring or 8/1-9/30
Bromegrass, Smooth	10 to 12	1/2"	3/1-4/1 or 8/1-9/15
Buckwheat	40 to 50	1/2" to 1"	6/1-7/15
Clover, Alsike	6 to 8	1/2"	3/1-4/1 or 8/1
Crimson	12 to 20	1/2"	7/1-8/30
Ladino (or white)	4 to 6	1/2"	4/1-4/30 or 8/30
Red (medium or mammoth)	10 to 15	1/2"	3/1-4/30** or 8/30
Sweet	10 to 15	1/2"	4/15-4/30
Crownvetch	20 to 25	1/2"	2/1-9/30
Fescue, Tall 1	2 to 20	1/2"	3/1-4/30 or 8/30
Lespedeza, Korean (H)	10 to 15	1/2"	2/15-3/31
Millet, Hybrid Pearl	8 to 12 (rows)	1/2"	After frost danger
Millet, Hybrid Pearl	35 to 40 (broadcast)	1/2"	Through 6/30
Oats, Spring	64 to 80	1" to 1-1/2"	3/1-4/30
Orchardgrass	10 to 15	1/2"	3/1-4/30 or 8/1-9/30
Rape, Dwarf Essex	6 to 10	1/2"	4/1-8/30
Reed Canarygrass	8 to 10	1/2"	3/1-4/30 or 8/1-9/30
Rye Gain	84 to 112	1" to 1-1/2"	8/1-9/30
Ryegrass, Tetraploid Perennial	20 to 25	1/2"	3/1-4/30 or 8/1-9/30
Sorghum, Grain	8 to 12	1/2" to 1"	5/1-5/31
Sorghum, Sudangrass	20 to 30 (rows)	1/2" to 1"	5/1-6/15
Sorghum, Sudangrass	20 to 30 (broadcast)	1/2" to 1"	5/1-6/15
Spelt	60 to 80	1" to 1-1/2"	9/1-10/5
Sudangrass	25	1/2" to 1"	5/1-6/15
Sunflower	3 to 5	1 to 1-1/2"	5/1-6/30
Switchgrass	6 to 8 (pure live seed)	1/2"	5/1-6/30
Timothy	10 to 15	1/2"	3/1-4/30 or 8/1-9/30
Triticale, Fall	90 to 100	1" to 1-1/2"	8/1-9/15



## PLANT FOOD REMOVED IN HARVESTED CROP

CROP	UNIT	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
Corn	lb./bu.	.75	.44	.29
Soybeans	lb./bu.	4.00	.80	1.40
Grain Sorghum	lb./cwt.	1.50	.75	.38
Wheat	lb./bu.	1.15	.55	.34
Oats	lb./bu.	.80	.25	.20
Barley	lb./bu.	1.10	.40	.35
Sunflower	lb./cwt.	3.60	1.70	1.10
Alfalfa	lb./ton	56.00	15.00	60.00
Corn Silage	lb./ton	8.30	3.60	8.30
Tall Fescue	lb./ton	38.00	18.00	52.00
Clover/Grass	lb./ton	50.00	15.00	60.00
Sorghum/Sudan	lb./ton	40.00	15.00	58.00

## PLANT FOOD UPTAKE FOR MIDWEST CROPS

Nutrient Uptake, lb/A\*\*

CROP	YIELD/ACRE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MG	S
Corn	120 bu.	160	68	160	39	20
	160 bu.	213	91	213	52	26
	200 bu.	266	114	266	65	33
Soybeans*	40 bu.	224	38	144	16	14
	60 bu.	315	58	205	24	20
	80 bu.	416	78	250	32	26
Alfalfa*	4 tons	225	60	240	20	20
	6 tons	338	90	360	30	30
	8 tons	450	120	480	40	40
Wheat	50 bu.	94	34	102	15	13
	75 bu.	141	51	152	23	19
	100 bu.	188	68	203	30	25
Grain	4,500 lbs.	133	47	135	22	21
Sorghum	7,500 lbs.	222	79	225	38	35
Fescue	3 tons	114	56	158	11	12
	6 tons	228	112	316	22	24

\*Legumes get most of their nitrogen from the air.

\*\*Figures given are total amounts taken up by the crop in both the harvested and the above ground unharvested portions. These numbers are estimates for indicated yield levels, taken from research studies, and should be used only as general guidelines.

## SEED RATE/FOOT OF ROW PER MATURITY, PLANTING DATE AND ROW WIDTH

RELATIVE MATURITY	PLANTING DATE	SEEDS/FOOT		POPULATION/ACRE	
		7.5"	15.0"	7.5"	15.0"
<b>2.1-2.5</b>	Before 5/20	2.8	5.6	195K	195K
	5/21-6/5	3.0	6.0	209K	209K
	6/6-6/20	3.3		230K	
<b>2.6-3.0</b>	Before 5/20	2.6	5.0	181K	174K
	5/21-6/5	2.8	5.4	195K	188K
	6/6-6/20	3.0	5.6	209K	195K
	After 6/20	3.3		230K	
<b>3.1-3.5</b>	Before 5/20	2.4	4.2	167K	146K
	5/21-6/5	2.6	4.5	181K	157K
	6/6-6/20	2.8	4.9	195K	171K
	After 6/20	3.1	5.4	216K	188K
	Double Crop	3.5		255K	
<b>3.6-4.1</b>	Before 5/20	2.3	4.1	160K	140K
	5/21-6/5	2.5	4.4	173K	151K
	6/6-6/20	2.7	4.8	188K	164K
	After 6/20	3.0	5.3	207K	180K
	Double Crop	3.4		245K	

If poor growth environment, consider increasing table rates by 10%.

## SOYBEAN DELAYED PLANTING (UNIFORM STANDS)

PLANTING DATE	PERCENT OF NORMAL YIELD
5/1	100
5/10	99
5/20	90
6/10	80
6/20	68
6/30	57
7/10	40



# SOYBEAN PLANTING CHART

## SEED PER POUND

ROW WIDTH	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
<b>38</b>	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre	Lbs Acre
<b>6</b>	45.8	43.3	41.2	39.3	37.5	35.8	34.3	33	31.7	30.5	29.4	28.4	27.5	26.6	25.7	25	24.2	23.5
<b>8</b>	61.1	57.9	55	52.4	50	47.8	45.8	44	42.3	40.7	39.3	37.9	36.6	35.4	34.3	33.3	32.3	31.4
<b>10</b>	76.4	72.4	68.7	65.5	62.5	59.8	57.3	55	52.9	50.9	49.1	47.4	45.8	44.3	42.9	41.6	40.4	39.3
<b>12</b>	91.7	86.8	82.5	78.6	75	71.1	68.7	66	63.4	61.1	58.9	56.9	55	53.2	51.5	50	48.5	47.1
<b>36</b>																		
<b>6</b>	48.4	45.8	43.5	41.4	39.6	37.8	36.3	34.8	33.5	32.2	31.1	30	29	28.1	27.2	26.4	25.6	24.8
<b>8</b>	64.5	61.1	58	55.3	52.8	50.5	48.4	46.4	44.6	43	41.4	40	38.7	37.4	36.3	35.2	34.1	33.1
<b>10</b>	80.6	76.4	72.6	69.1	66	63.1	60.5	58	55.8	53.7	51.8	50	48.4	46.8	45.3	44	42.7	41.4
<b>12</b>	96.8	91.7	87.1	82.9	69.2	75.7	72.6	69.6	67	64.5	62.2	60	58	56.2	54.4	52.8	51.2	49.7
<b>30</b>																		
<b>4</b>	38.7	36.6	34.8	33.1	31.6	30.3	29	27.8	26.8	25.8	24.8	24	23.2	22.4	21.7	21.1	20.4	19.9
<b>6</b>	58	55	52.2	49.7	47.5	45.4	43.5	41.8	40.2	38.7	37.3	36	34.8	33.7	32.6	31.6	30.7	29.8
<b>8</b>	77.4	73.3	69.6	66.3	63.3	60.6	58	55.7	53.6	51.6	49.7	48	46.4	44.9	43.5	42.2	40.9	39.8
<b>10</b>	96.8	91.7	87.1	82.9	79.2	75.7	72.6	69.6	67	64.5	62.2	60	58	56.2	54.4	52.8	51.2	49.7
<b>20</b>																		
<b>4</b>	58	55	52.2	49.7	47.5	45.4	43.5	41.8	40.2	38.7	37.3	36	34.8	33.7	32.6	31.6	30.7	29.8
<b>6</b>	87.4	82.5	78.4	74.6	71.2	68.1	65.3	62.7	60.3	58	56	54	52.2	50.5	49	47.5	46.1	44.8
<b>8</b>	116.1	110	104.5	99.5	95	90.9	87.1	83.6	80.4	77.4	74.6	72	69.6	67.4	65.3	63.3	61.4	59.7
<b>15</b>																		
<b>4</b>	77.4	73.3	69.6	66.3	63.3	60.6	58	55.7	53.6	51.6	49.7	48	46.4	44.9	43.5	42.2	40.9	39.8
<b>5</b>	96.8	91.7	87.1	82.9	79.2	75.7	72.6	69.6	67	64.5	62.2	60	58	56.2	54.4	52.8	51.2	49.7
<b>6</b>	116	110	104.4	99.4	95	90.8	87	83.6	80.4	77.4	74.6	72	69.6	67.4	65.2	63.2	61.4	59.6
<b>7</b>	125.6	119.2	113.1	107.7	102.9	98.4	94.2	90.6	87.1	83.9	80.8	78	75.4	73	70.6	68.4	66.5	64.6
<b>7</b>																		
<b>2</b>	82.8	78.3	74.5	70.8	67.6	64.8	62.1	59.5	57.4	55.2	53.1	51.4	49.7	47.9	46.4	45.2	43.7	42.6
<b>3</b>	124.2	117.5	111.7	106.3	101.4	97.3	93.1	89.2	86	82.8	79.6	77	74.5	71.9	69.7	67.7	65.5	63.9
<b>4</b>	165.6	156.7	148.9	141.9	135.5	129.7	124.1	119.2	114.7	110.4	106.4	102	99.3	96.1	93.1	90.3	87.5	85.2

PLANTS PER FOOT OF ROW

## SOYBEAN REPLANT FACTORS

Before you replant, determine the net gain versus expenses incurred by:

1. Evaluating the population and uniformity of the remaining stand (see “Soybean Stand Counts” chart on page 86)
2. Comparing the estimated yield of the existing stand versus that of replanted crop (see “Soybean Yield Effects from Reduced Plant Populations” chart on page 87 and “Soybean Delayed Planting” chart on page 83)
3. Considering estimated replanting costs (fuel, weed control, labor, etc.)

## SOYBEAN SEEDING

SEEDS PER ACRE →	125K	140K	150K	175K	200K	225K
SEEDS PER POUND ↓	POUNDS PER ACRE					
2000	63	70	75	88	100	113
2100	60	67	71	83	95	107
2200	57	64	68	80	91	102
2300	54	61	65	76	87	98
2400	52	58	63	73	83	94
2500	50	56	60	70	80	90
2600	48	54	58	67	77	87
2700	46	52	56	65	74	83
2800	45	50	54	63	71	80
2900	43	48	52	60	69	78
3000	42	47	50	58	67	75
3100	40	45	48	56	65	73
3200	39	44	47	55	63	70
3300	38	42	45	53	61	68
3400	37	41	44	51	59	66
3500	36	40	43	50	57	64
3600	35	39	42	49	56	63
3700	34	38	41	47	54	61
3800	33	37	39	46	53	59
3900	32	36	38	45	51	58
4000	31	35	38	44	50	56

SEEDS PER ACRE →	125K	140K	150K	175K	200K	225K
ROW SPACING ↓	POUNDS PER ACRE					
2000	1.67	1.87	2.00	2.34	2.68	3.00
2100	3.59	4.57	4.30	5.02	5.74	6.45
2200	7.17	8.03	8.60	10.00	11.40	12.91

# SOYBEAN STAND COUNTS

# OF PLANTS PER 1 SQ YARD ↓	# OF PLANTS PER ACRE ↓	LOOP INSIDE DIAMETER								
		30"	31"	32"	33"	34"	35"	36"	37"	38"
		PLANTS/ACRE (IN THOUSANDS)								
1	4.8	8.9	8.3	7.8	7.3	6.9	6.5	6.2	5.8	5.5
10		89	83							
11		98	91	86						
12		107	100	94	88	83				
13		116	108	101	95	90	85			
14		124	116	109	103	97	91	86		
15		133	125	117	110	104	98	92	88	
16		142	133	125	117	110	104	99	93	89
17		151	141	133	125	117	111	105	99	94
18	87	160	150	140	132	124	117	111	105	100
19	92	169	158	148	139	131	124	117	111	105
20	97	178	166	156	147	138	130	123	117	111
21	102	187	175	164	154	145	137	129	123	116
22	106	196	183	172	161	152	143	136	128	122
23	111	204	191	179	167	159	150	142	134	127
24	116	213	200	187	176	166	157	148	140	133
25	121	222	208	195	183	173	163	154	146	138
26	126		216	203	191	179	170	160	152	144
27	131		224	211	198	186	176	166	158	149
28	136			218	205	193	183	173	163	155
29	140			226	213	200	189	179	169	161
30	145				220	207	196	185	175	166
31	150					214	202	191	181	172
32	155					221	209	197	187	177
33	160						215	203	193	183
34	165						222	209	199	188
35	169							216	204	194
36	174							222	210	199
37	179								216	205
38	184								222	210
39	189									216
40	193									221
41	198									
42	203									
<b>LOOP CIRCUMFERENCE →</b>		94"	97"	100.5"	104"	107"	110"	113"	116"	119"



## SOYBEAN STAND COUNTS, CONTINUED

To determine the stand using the loop method, toss a perfectly round hoop in at least 10 randomly selected locations within a field or where the plant stand is low. Count the plants within each hoop, then refer to the chart on the previous page. If you do not have a hoop, measure one square yard, count the plants, then refer to the chart on the previous page.

**EXAMPLES:** If you count 31 plants per square yard, the plant population is 150,000 per acre. If you count 24 plants inside a loop with a 34" diameter, the plant population is 166,000 per acre.

## SOYBEAN YIELD EFFECTS FROM REDUCED PLANT POPULATIONS

For uniform stands and weed-free conditions:

POPULATION/ACRE	PERCENT OF NORMAL YIELD	
	Conventional Tillage	No Till
160	100	100
120	100	98
80	98	95
60	90	90

## SOYBEAN YIELD ESTIMATE FORMULAS

$$\frac{\text{Average \# of pods per plant} \times \text{Plants per acre}}{\text{PODS PER ACRE}}$$

$$\frac{\text{Pods per acre} \times 2.5 \text{ beans per pod}}{\text{BEANS PER ACRE}}$$

$$\frac{\text{Pods per acre} \div 2500 \text{ beans per pound}}{\text{POUNDS PER ACRE}}$$

$$\frac{\text{Pounds per acre} \div 60 \text{ pounds}}{\text{ESTIMATED BUSHELS PER ACRE}}$$



# WEIGHTS AND MEASUREMENTS

## AREA

1 Square Foot = 144 Square Inches

1 Square Yard = 1,296 Square Inches

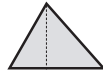
1 Square Mile = 640 Acres

1 Square Yard = 9 Square Feet

1 Acre = 43,560 Square Feet



**Area of a Circle =**  
Radius Squared x 3.1416 or  
Diameter Squared x .07854



**Area of a Triangle =**  
Base x Height ÷ 2



**Area of a Rectangle,  
Square, Parallelogram =**  
Length x Width



**Area of a Trapezoid =**  
Top Base + Bottom  
Base ÷ 2 x Height



**Area of a Pentagon =**  
Length of One Side  
Squared x 1.720



**Area of a Hexagon =**  
Length of One Side  
Squared x 2.598



**Area of an Octagon =**  
Length of One Side  
Squared x 4.838

## DISTANCE

1 Foot = 12 Inches

1 Mile = 5,280 Feet

1 Yard = 36 Inches  
= 3 Feet

= 1,760 Yards

1 Rod = 16.5 Feet  
= 5.5 Yards

## WEIGHT

1 Pound = 16 Ounces

1 Ton = 2,000 Pounds

1 Metric = 2,205 Pounds  
Ton

## VOLUME

1 Cubic Foot = 1,728 Cubic Inches

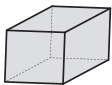
1 Cubic Foot = 7.48 Gallons

1 Cubic Yard = 27 Cubic Feet

1 Cubic Foot = 62.4 Pounds of Water

1 Gallon = 8.345 Pounds of Water

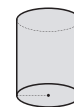
**Bushel Capacity of Bins, Cribs, Piles**  
= Volume in Cubic Feet ÷ 1.25 (2.25  
for Ear Corn)



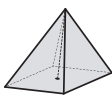
**Square or Rectangular Bin  
or Crib =**  
Width x Length x Height



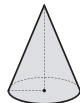
**Pile Against a Straight Wall  
(1/2 Cone) =**  
Volume of a Full Cone ÷ 2



**Round Bin or Crib =**  
Radius of Base x Radius  
x 3.1416 x Height



**Square Tank Hopper  
Bottom (Pyramid) =**  
Area of Base x 1/3 x Height



**Pile of Round Hopper  
Bottom (Cone) =**  
Radius or Base x Radius  
x 1.0472 x Height



**Sphere or Globe =**  
Cube Radius x 4.1888

## CAPACITY

1 Cup = 8 Fluid Ounces

1 Quart = 32 Fluid Ounces

1 Gallon = 128 Fluid Ounces

1 Pint = 16 Fluid Ounces  
= 2 Cups

= 4 Cups  
= 2 Pints

= 16 Cups  
= 8 Pints  
= 4 Quarts

1 Liter = 1.06 Quarts





*THE*  
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## Please take a moment to become familiar with the specific terms, conditions, restrictions, limitations, and legalities of your seed purchase.

### AFFILIATIONS

Seed Genetics Direct, LLC is an independent, family-owned seed company and it and its products are not affiliated with any other seed company.

### ALFALFA YIELD RATINGS

Agronomic yield ratings are based on average performance between Alforex varieties. Actual performance may be adversely affected by extreme conditions. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.

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Agrisure®, Agrisure® Above, Artesian™, Agrisure Duracade®, Agrisure Viptera®, DuracadeViptera™, Duracade™, Viptera™ and E-Z Refuge® are trademarks of a Syngenta Group Company.

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**Always read and follow herbicide label directions prior to use:** Enlist™ products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist™ crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products. Enlist corn contains genes that confer tolerance to 2,4-D and -fop herbicides. 2,4-D and -fop herbicides will damage or kill crops that are not tolerant to 2,4-D or -fops.

### DURACADE™

More information about Duracade™ is available at [www.biotradestatus.com](http://www.biotradestatus.com).



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### GMO

While Seed Genetics Direct adheres to the strictest industry standards, Seed Genetics Direct conventional hybrids are not guaranteed to be 100% GMO-free for a variety of reasons which include control of the planting environment (neighbor's GM hybrids), storage, delivery, and GMO tests. Seed Genetics Direct conducts a polymerase chain reaction (PCR) test and results are available by contacting a SGD seedsman.



### HERCULEX® LOGO AND TRADEMARK

Corn trait technology incorporated into these seeds is commercialized under license from Syngenta Seeds, Inc. Herculex® Technology incorporated into these seeds is commercialized under license from Corteva Agriscience LLC. HERCULEX® and the HERCULEX Shield are trademarks of Corteva Agriscience LLC.

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### INSECT RESISTANCE MANAGEMENT

Before opening a bag of seed, be sure to read and understand the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed set forth in the technology agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.

### LABEL AND BAG TAGS

**Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides.**



### LIBERTYLINK® AND TRADEMARK

Seed products with the Liberty-Link® (LL) trait are resistant to the

herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF.



### ROUNDUP READY® ALFALFA

Due to the unique cropping practices, do not plant Roundup Ready® Alfalfa in Imperial County, California, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting. Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Roundup Ready® Alfalfa has pending import approvals. 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. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready® crops contain genes that confer tolerance to glyphosate. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready® is registered trademarks of Bayer Group, used under license by Forage Genetics International, LLC.

### PERFORMANCE MAY VARY

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.

### SAVING SEED

It is illegal to save patented traited seed and patented germplasm seed.

Enlist E3® soybean seeds containing the Enlist® trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3® soybeans. Additional information and limitations on the use of these products are provided in the Corteva Agriscience Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Dow AgroSciences technologies can be found at the following web page: [www.corteva.us/Resources/trait-stewardship.html](http://www.corteva.us/Resources/trait-stewardship.html).

Seed Genetics Direct is committed to a proactive approach against seed piracy and reducing seed piracy. SGD cannot in good conscience charge one customer for seed technology and allow another to pirate the technology. All customers are entitled to a level playing field.



**Value. Knowledge. Performance.**  
**IT'S IN OUR GENETICS.**

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*Return completed form to your seedsman or  
 9983 Jeffersonville-West Lancaster Road, PO Box 32,  
 Jeffersonville, OH 43128.*

**Make checks payable to Seed Genetics Direct.**  
**Questions: 740-505-6545**



DATE \_\_\_\_\_

SEEDSMAN \_\_\_\_\_

CUSTOMER NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

COUNTY \_\_\_\_\_

EMAIL \_\_\_\_\_

PHONE \_\_\_\_\_

SHIRT SIZE \_\_\_\_\_

LAST 4 DIGITS OF SOC# \_\_\_\_\_

JDF # \_\_\_\_\_

RABO # (traited corn only) \_\_\_\_\_

AGRISURE LICENSE # \_\_\_\_\_

BAYER LICENSE # \_\_\_\_\_

CORTEVA LICENSE # \_\_\_\_\_

UNITS	PACKAGING <i>(Bag, Mini Bag, Pro Box, Bulk)</i>	VARIETY	GRADE/ TREATMENT	DELIVERY <i>(Pick-up, Delivery, Direct Ship)</i>	UNIT PRICE	AMOUNT

<p>Buyer agrees to purchase seed solely for purposes of production of grain crop and that the seed, and any production from the seed, shall not be resold or used as seed. Buyer agrees not to alter or permit the alteration of seed, or any product of the seed, through genetic techniques or otherwise. Buyer acknowledges that failure to adhere to the above provisions would substantially damage the supplier/developer who has a substantial investment in this seed product. Purchaser hereby certifies that the articles of tangible personal property purchased from Seed Genetics Direct and Herbicides Direct shall be purchased to use or consume the thing transferred directly in the production of tangible personal property for sale by farming. This agreement shall continue in force until revoked and shall be considered a part of each order given to Seed Genetics Direct and/or Herbicides Direct unless the order specifies otherwise. See seedsman or official order form for complete terms and conditions.</p>	SUB TOTAL	
	EARLY PAY DISCOUNT	
	PAYMENT TYPE	<input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> JDF <input type="checkbox"/> RABO <input type="checkbox"/> Credit Card (+3.5%)
	<b>TOTAL</b>	

CUSTOMER SIGNATURE UPON ORDER \_\_\_\_\_ DATE \_\_\_\_\_

# SAVINGS PROGRAMS



## EARLY ORDER SAVINGS

You can change your order and pay later and still get these savings!



**BEFORE  
SEPT. 1, 2022**

SAVE \$1 PER UNIT OF WHEAT



**BEFORE  
NOV. 10, 2022**

SAVE \$10 PER UNIT OF CORN

AVOID \$2 PER UNIT  
CORN PRO BOX FEE

SAVE \$2 PER UNIT OF SOYBEANS

100% REPLANT GUARANTEE  
ON TREATED SOYBEANS

## EARLY PAY SAVINGS

Now accepting RABO and major credit cards, in addition to JDF, check and cash!

Get these savings on any seed order purchased by the indicated date!



PAY BY	PAY WITH CASH, CHECK, OR CREDIT CARD <sup>1</sup>	PAY WITH RABO 0% INTEREST RATE <sup>2</sup> (traited corn only)	PAY WITH JDF 0% INTEREST RATE <sup>3</sup>
8/10/22	14%	8.5%	6.5%
9/10/22	13%	7.5%	5.5%
10/10/22	12%	6.5%	4.5%
11/10/22	11%	5.5%	3.5%
12/10/22	10%	4.5%	2.5%
1/10/23	9%	3.5%	1.5%
2/10/23	7%	1.5%	1%
3/10/23	5%	0%	0%
4/10/23	3%	0%	0%
5/10/23	2%	0%	0%
6/10/23	1%	0%	0%

The above options are available on seed purchases made between August 1, 2022 and June 10, 2023. Balances and accounts must be paid in full by July 10, 2023, unless paying through John Deere Financial or RABO. Payments are due in full to RABO and JDF in December 2023. SGD Early Pay discounts are applied on date of payment to SGD. Financing approval and credit limits are established by John Deere Financial, RABO, and major credit card institutions, not Seed Genetics Direct.

<sup>1</sup> Convenience fees of 3.5% are added to each credit card transaction. SGD accepts the following major credit cards: American Express, Discover, MasterCard, Visa. Debit cards are not accepted. Convenience fees and credit limits are established by each major credit card institution, not Seed Genetics Direct. Seed Genetics Direct receives no portion of convenience fees. All fees are refundable.

<sup>2</sup> RABO financing applies to traited corn purchases only. Subject to Rabo AgriFinance credit approval, terms and conditions. No minimum purchase required. Apply for RABO financing at [Grower.RaboAg.com](http://Grower.RaboAg.com) or 888-395-8505, or contact SGD at [kevinl@seedgeneticsdirect.com](mailto:kevinl@seedgeneticsdirect.com) or 740-505-2133. Discounts are applied on approval date from RABO. Terms and conditions apply.

<sup>3</sup> JDF finance program is only available to John Deere Financial Preferred Customers. To apply for a John Deere Financial Preferred Account or to increase your John Deere Financial line of credit, contact John Deere Financial at 800-433-8964 or contact SGD at [kevinl@seedgeneticsdirect.com](mailto:kevinl@seedgeneticsdirect.com) or 740-505-2133. Terms and conditions apply. Discounts are applied on approval date from JDF. A signed terms of disclosure must be on file. A minimum purchase of \$1,000 is required.





**Seed Genetics**  
DIRECT LLC  
*Value. Knowledge. Performance.*  
**IT'S IN OUR GENETICS.**

The map shows SGD research locations. The SGD customer area encompasses Delaware, Illinois, Indiana, Iowa, Kentucky, Maryland, Michigan, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia.



**26**  
RESEARCH  
LOCATIONS



CUSTOMERS IN  
**700+**  
COMMUNITIES



IN  
**15**  
STATES



THE FASTEST-  
GROWING  
INDEPENDENT  
SEED COMPANY  
IN THE EASTERN  
CORN BELT