



Seed Genetics
DIRECT LLC

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

SEED GUIDE 2022

CORN • SOYBEANS • WHEAT • ALFALFA • HERBICIDES



**The fastest-growing
independent seed
company in the Eastern
Corn Belt**

Dear friends,

It's hard to believe in just four years, **Seed Genetics Direct has become the largest Ohio-based, and the Eastern Corn Belt's fastest-growing, independent seed company.** We appreciate the support and thank you for working with us. We are just getting started.

Like many of you, we have grown tired of being told what to do and how to run our business.

Big government and big ag (let's face it, they may as well be the same thing) have continued telling all of us what is best while increasing our bills and not helping our return on investment. We are all having choices taken away and being told something better is coming while, in the end, being stuck with the inflated price tag. Choices and independence are good and American.

That's why, as a quickly-growing and strong independent seed company, Seed Genetics Direct:

→ **Publishes fair and transparent prices**, which our competitors hate, confirmation that it's the right thing to do. We tire of rebates, hoops, pricing games, and being told how to run our business. We work for you, not our genetics and trait suppliers, and we don't have time for the games the industry loves to play.

→ **Aggressively vets and tests all traits and genetics in our sales footprint**, making sure we provide you with the best genetics and trait packages. We like to show results, not be told what is the best.

→ **Offers a full line-up of the latest and greatest corn and soybean trait packages and genetics. Even bringing back two single trait glufosinate beans into our line-up.** Being independent, we don't have to toe the company line on which soybean trait is better than the other; they all work in the right places and systems. We aren't corporate stooges.

→ **Offers premium treatments** — ProTEC S4, ProTEC C4+, and ProTEC W4 — **at a standard price.** Many companies charge double or triple for a similar or lesser treatment because they think you'll pay for it.

With more than 350 years of experience amongst our team and a reputation of building a strong seed company on a sturdy foundation, we are confident we are the seed partner for you. Whether large or small, red or green, no-till or conventional, traited or non-GMO, we will prove to you that it's in our genetics.

Thank you,

TODD JEFFRIES, VICE PRESIDENT

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



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STAY IN TOUCH!

seedgeneticsdirect.com • 740-505-6545



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

IMPORTANT DATES

August 2021	Customer Dinners (call 740-505-6545 for dates and locations)
August-September 2021	SGD Field Days (Exact dates TBA)
Sept. 1, 2021	Wheat Early Order Discount deadline (Save \$1 per unit of wheat)
Sept. 21-23, 2021	Farm Science Review
Nov. 10, 2021	Early Order Savings deadline (• Save \$10 per unit of corn • Avoid \$2 per unit pro box fee on corn • Save \$1 per unit of soybeans • Receive 100% replant on treated soybeans*)
Dec. 14-16, 2021	Indiana Farm Equipment and Technology Expo
Jan. 18-19, 2022	Fort Wayne Farm Show
Feb. 16-19, 2022	National Farm Machinery Show
March 10-12, 2022	Commodity Classic
June 20, 2022	Corn return and replant deadline
July 10, 2022	Soybean return and replant deadline

**Seed Genetics Direct offers a 100% replant guarantee on treated soybeans ordered before Nov. 10, 2021 and a 50% replant guarantee on treated soybeans ordered after Nov. 10, 2021 when replant procedures and forms are completed by July 10, 2022.*



Seed Genetics
DIRECT LLC

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

CORN

34 Hybrids

95–116 Day Relative Maturity

Agrisure
Artesian®

Elite
Conventional

GTCBLL

GTCBLLBLHx1

Agrisure
Duracade®

Agrisure
Viptera®

GTCBLLRW

GT

GTCBLLRWBL

NOTE: all GTs are Glyphosate Tolerant

CORN PROTECTIONS

TREATMENT OPTIONS



PREMIUM TREATMENT & 100% REPLANT* INCLUDED ON ALL CORN ORDERS











ProTEC C4+ provides total seed protection with **3 powerful fungicides, 1 insecticide, N-Hibit growth stimulator and Wuxal Terios Zn+!**

**Available only on treated corn when replant procedures and forms are completed by June 20, 2022.*

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 PROTECTIONS

	INSECT PROTECTION					HERBICIDE PROTECTION	
	CORN BORER	ROOTWORM	BLACK CUTWORM	BROAD LEPIDOPTERAN CONTROL VIP	BROAD LEPIDOPTERAN SUPPRESSION HX 1	GLYPHOSATE	GLUFOSINATE
 Seed Genetics <small>DIRECT LLC</small> CONVENTIONAL (NON-GMO)*							
						✓	
	✓					✓	✓
	✓	✓				✓	✓
	✓				✓	✓	✓
	✓		✓	✓		✓	✓
	✓	✓	✓	✓		✓	✓
	✓		✓	✓	✓	✓	✓
	✓	✓	✓		✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓

*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



EXAMPLE 1

DIRECT 0 110 - 3110

RELEASE YEAR
(2020)

TRAIT PACKAGE
(3110-GTCBLLBL)

RELATIVE MATURITY
(110)



EXAMPLE 2

DIRECT 8 111

RELEASE YEAR
(2018)










TRAIT PACKAGE
(NO DASH AND NO NUMBERS
= CONVENTIONAL)

RELATIVE MATURITY
(111)



2022 CORN YIELD CONTESTS



NATIONAL CORN YIELD CONTEST PRIZES:	OHIO CORN YIELD CONTEST PRIZES:	SGD CORN YIELD CONTEST PRIZES:
 <ul style="list-style-type: none"> • \$10,000 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL¹ • NCGA plaque² 	 <ul style="list-style-type: none"> • \$5,000 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL¹ • 1-year free lease on seed tender³ • OCWGA trophy³ 	 <ul style="list-style-type: none"> • \$2,500 in SGD seed¹
 <ul style="list-style-type: none"> • \$7,500 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL¹ • NCGA plaque² 	 <ul style="list-style-type: none"> • \$2,500 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL¹ • Fungicide³ • OCWGA trophy³ 	 <ul style="list-style-type: none"> • \$1,500 in SGD seed¹
 <ul style="list-style-type: none"> • \$5,000 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL¹ • NCGA plaque² 	 <ul style="list-style-type: none"> • \$1,500 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL¹ 	 <ul style="list-style-type: none"> • \$1,000 in SGD seed¹

Ohio Corn and Wheat Growers Association also awards prizes to the top winners and runners-up (ie: 1st- and 2nd-place) in state districts (9 districts for a total of 18 additional prizes).

TO ENTER:

Deadlines and forms are available at ncga.com/get-involved/national-corn-yield-contest and seedgeneticsdirect.com. National entrants are automatically entered in state contests. SGD will cover the cost of NCGA membership and contest entry for growers who enter national and state contests by planting Seed Genetics Direct seed. Email toddj@seedgeneticsdirect.com for more information.

¹ 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.

² 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 place at the required, indicated level in the NCGA Corn Yield Contest, as determined by NCGA. Prizes subject to change.

³ Prizes notated with a “3” are provided by the Ohio Corn and Wheat Growers Association. To be eligible for prizes notated with a “3”, grower must be the overall state winner and place at the required, indicated level in the Ohio Corn Yield Contest, as determined by OCWGA. Prizes subject to change.

National and state entrants must hold a current membership in the National Corn Growers Association and his/her state associations to qualify. The name on the entry form and membership must match exactly. To be eligible for Seed Genetics Direct prizes, coverage of NCGA membership, and contest entry fees, entrants must plant Seed Genetics Direct corn seed and grant Seed Genetics Direct, NCGA, and OCWGA 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.

DIRECT 0095-3220

RELATIVE MATURITY:

95

RECOMMENDED POPULATION:

26-36,000

TRAITS:

3220-GTCBLLBLHx1



Excellent dual-purpose hybrid

Adapts to varying soils

Lower ear placement

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

Anthraxnose: Not Rated

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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 0095-3110	173.7	18.7	1.1	1.1	61.6	15	2020
<i>P 0157</i>	162.8	18.9	1.1	1.1	59.0	15	2020
DIRECT 0095-3110	173.7	18.7	1.1	1.1	61.6	15	2020
<i>DKC 51-38RIB</i>	148.5	18.4	1.1	1.0	58.9	15	2020
DIRECT 0095-3110	173.7	18.7	1.1	1.1	61.6	15	2020
<i>AG 6346VT2RIB</i>	156.1	19.9	1.0	1.0	60.0	15	2020



CROP NOTES

Corn seed absorbs water until it is approximately 30-35% moisture and then it begins to grow.

DIRECT 8097 • 8097-3111

CLOSEOUT ON 3111
RELATIVE MATURITY:

97

RECOMMENDED POPULATION:

32-34,000

TRAITS:

Conventional, 3111-GTCBLLRWBL



Widely-adapted

Dual-purpose potential

Older, stable workhorse

Protection against Western
Bean Cutworm and Black
Cutworm
DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 6

Goss' Wilt: 6

Common Rust: 8

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

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: Very Good

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: 14-16

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 8097	166.3	17.4	6.0	0.0	61.7	3	2018
<i>DKC51-38RIB</i>	165.7	17.3	10.0	2.0	57.0	3	2018
DIRECT 8097	166.3	17.4	6.0	0.0	61.7	3	2018
<i>A6267</i>	167.9	16.7	9.0	2.0	61.6	3	2018
DIRECT 8097	166.3	17.4	6.0	0.0	61.7	3	2018
<i>TEST MEAN</i>	164.0	17.3	7.0	1.0	61.3	3	2018


All closeout seed is limited availability, no return, any grade.
**CROP
NOTES**

After planting, a corn seedling will emerge in approximately 100-120 growing degree days. This is called the "VE" stage (vegetative emergence).

DIRECT 1099

RELATIVE MATURITY:

99

RECOMMENDED POPULATION:

28-36,000

TRAITS:

Conventional



Sister to DIRECT 0101-3110

Widely-adapted

Excellent agronomics

Strong fall intactness

Great stress tolerance

Dual-purpose hybrid

Adjusts to lower populations

DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 8

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracoze: 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	TESTING LOCATIONS	YEAR
DIRECT 1099	187.3	19.2	1.1	1.0	59.0	15	2020
<i>P 0157</i>	162.8	18.9	1.1	1.1	59.0	15	2020
DIRECT 1099	187.3	19.2	1.1	1.0	59.0	15	2020
<i>DKC 51-38RIB</i>	148.5	18.4	1.1	1.0	58.9	15	2020
DIRECT 1099	187.3	19.2	1.1	1.0	59.0	15	2020
<i>AG 6346VT2RIB</i>	156.1	19.9	1.0	1.0	60.0	15	2020

**CROP
NOTES**

The number of leaves completely developed with visible collars determines the vegetative stage of a plant.

DIRECT 0101-3110 • 0101-DC/5222

CLOSEOUT ON 5222

RELATIVE MATURITY:
101

RECOMMENDED POPULATION:
28-36,000

TRAITS: 3110-GTCBLLBL,
Agrisure Duracade® 5222 E-Z
Refuge® GTCBLLBLRWHx1-DC



Ranked 1 of 60 in SGD's Early Replicated Test Plot Summary

Impressive performance in all environments

Excellent health and late season intactness

Yield leader in maturity

Widely-adapted, dual-purpose

Protection against Western Bean Cutworm and Black Cutworm

DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 6

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthraco: 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	TESTING LOCATIONS	YEAR
DIRECT 0101-DC	215.5	19.9	1.1	1.1	62.4	15	2020
<i>P 0157</i>	162.8	18.9	1.1	1.1	59.0	15	2020
DIRECT 0101-DC	215.5	19.9	1.1	1.1	62.4	15	2020
<i>DKC 51-38RIB</i>	148.5	18.4	1.1	1.0	58.9	15	2020
DIRECT 0101-DC	215.5	19.9	1.1	1.1	62.4	15	2020
<i>AG 6346VT2RIB</i>	156.1	19.9	1.0	1.0	60.0	15	2020



All closeout seed is limited availability, no return, any grade.

CROP NOTES

The "V1" is full development of the first leaf.

CLOSEOUT

**DIRECT 1104 •
1104-3010**

LIMITED

RELATIVE MATURITY:

104

RECOMMENDED POPULATION:

28-34,000

TRAITS:

Conventional,
3010-GTCBLL

KEY FEATURES

Best performance in moderate
to lower populations

Timely harvest recommended

 **Agrisure3010**

DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 7

Goss' Wilt: 6

Common Rust: Not Rated

SCLB: 7

Eyespot: Not Rated

Anthracnose: 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

CLOSEOUT

DIRECT 0106-3110

LIMITED

RELATIVE MATURITY:

106

RECOMMENDED POPULATION:

30-38,000

TRAITS:

3110-GTCBLLBL

KEY FEATURES

+12 bpa over check in 2017

Elite, top-end yield punch

Best in zone and north

Agronomics allow for higher
populations

Protection against Western
Bean Cutworm and Black
Cutworm

 **AgrisureViptera**
3110

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 6

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: 8

Eyespot: 6

Anthracnose: 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

All closeout seed is limited availability, no return, any grade.

CROP
NOTES

In V9, brace roots appear on the soil surface to serve as a plant anchor and help obtain water and nutrients.

DIRECT 1105

RELATIVE MATURITY:
105

RECOMMENDED POPULATION:
30-34,000

TRAITS:
Conventional



Ranked 8 of 60 in SGD's 2020
Early Replicated Test Plot
Summary

Consistent high yields

Exceptional girth

Lower risk of green snap

Excellent southern movement

Strong fungicide response

DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 7

Goss' Wilt: 8

Common Rust: 6

SCLB: Not Rated

Eyespot: Not Rated

Anthraco: Not Rated

CHARACTERISTICS

Plant Height: Medium

Ear Height: Medium

Stalk Strength: Very Good

Root Strength: Very Good

Test Weight: Very Good

Seedling Vigor: Good

Drought Tolerance: Very Good

Highly Productive Soils: Excellent

Mod. Productive Soils: Very Good

Less Productive Soils: Very Good

Drydown: Excellent

No-Till Rating: Very Good

Staygreen: Good

Fall Appearance: Good

Hi Pop Tolerance: Very Good

Corn After Corn: Not Rated

Kernel Rows: 16-18

Ear Flex: Semi

Silage Quantity: Very Good

Silage Quality: Very Good

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 1105	205.4	19.4	1.0	1.2	60.9	15	2020
<i>P 0157</i>	162.8	18.9	1.1	1.1	59.0	15	2020
DIRECT 1105	205.4	19.4	1.0	1.2	60.9	15	2020
<i>DKC 51-38RIB</i>	148.5	18.4	1.1	1.0	58.9	15	2020
DIRECT 1105	205.4	19.4	1.0	1.2	60.9	15	2020
<i>AG 6346VT2RIB</i>	156.1	19.9	1.0	1.0	60.0	15	2020

**CROP
NOTES**

In V9, a corn plant is approximately 30 to 36 inches tall.

DIRECT 1106

RELATIVE MATURITY:
106

RECOMMENDED POPULATION:
30-34,000

TRAITS:
Conventional



239.4 BPA in plots averaging
229.9 BPA (2020)

Deep kernels with consistent,
girthy ears

Late flowering

Exceptional staygreen and fall
intactness

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

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 9

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracoze: Not Rated

CHARACTERISTICS

Plant Height: Medium

Ear Height: Medium-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: Excellent

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: Very Good

Silage Quality: Very Good

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 1106	207.6	20.0	1.1	1.0	60.4	17	2020
<i>P 0589</i>	193.8	19.7	1.0	1.0	59.5	17	2020
DIRECT 1106	207.6	20.0	1.1	1.0	60.4	17	2020
<i>SCS 1098YHR</i>	200.0	21.3	1.0	1.1	60.1	17	2020
DIRECT 1106	207.6	20.0	1.1	1.0	60.4	17	2020
<i>DKC 60-88RIB</i>	203.4	21.6	1.0	1.0	60.9	17	2020

**CROP
NOTES**

In the V12 corn stage, kernel row determination is nearly complete.

DIRECT 9107 • 9107-3010

RELATIVE MATURITY:
107

RECOMMENDED POPULATION:
26-38,000

TRAITS:
Conventional, 3010-GTCBLL



Flowers early to beat heat stress

Widely-adapted

High yields

Adapts to varying soils and management practices

Moves south as early hybrid, north as full-season

Excellent no-till candidate

DISEASE RESISTANCE (9=BEST)

NCLB: 7.5

GLS: 9

Goss' Wilt: 9

Common Rust: 7

SCLB: 7

Eyespot: 7

Anthracnose: 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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 9107-3220	212.9	21.6	1.0	1.0	60.4	17	2020
<i>P 0589</i>	193.8	19.7	1.0	1.0	59.5	17	2020
DIRECT 9107-3220	212.9	21.6	1.0	1.0	60.4	17	2020
<i>SCS 1098YHR</i>	200.0	21.3	1.0	1.1	60.1	17	2020
DIRECT 9107-3220	212.9	21.6	1.0	1.0	60.4	17	2020
<i>DKC 60-88RIB</i>	203.4	21.6	1.0	1.0	60.9	17	2020



CROP NOTES

In the VT stage (vegetative tassel), the plant is at or near maximum height.



DIRECT 2107 • 2107-3220

RELATIVE MATURITY:
107

RECOMMENDED POPULATION:
26-38,000

TRAITS: Conventional,
3220-GTCBLLBLHx1



Solid, workhorse genetics

Small cob with deep kernels

Showy with solid agronomics

Protection against Western
Bean Cutworm and Black
Cutworm

DISEASE RESISTANCE (9=BEST)

NCLB: 7	SCLB: 8
GLS: 9	Eyespot: Not Rated
Goss' Wilt: 8	Anthraxnose: Not Rated
Common Rust: 8	

CHARACTERISTICS

Plant Height: Medium-Tall	Drydown: Very Good
Ear Height: Medium	No-Till Rating: Very Good
Stalk Strength: Excellent	Staygreen: Very Good
Root Strength: Very Good	Fall Appearance: Very Good
Test Weight: Very Good	Hi Pop Tolerance: Excellent
Seedling Vigor: Good	Corn After Corn: Very Good
Drought Tolerance: Very Good	Kernel Rows: 14-16
Highly Productive Soils: Excellent	Ear Flex: Semi
Mod. Productive Soils: Excellent	Silage Quantity: Very Good
Less Productive Soils: Excellent	Silage Quality: Very Good

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 2107	231.5	18.8	1.1	1.3	58.7	37	2020
<i>P 0688AM</i>	228.7	18.4	1.2	1.0	59.5	37	2020
DIRECT 2107	231.5	18.8	1.1	1.3	58.7	37	2020
<i>DIRECT 7107</i>	226.4	19.8	1.0	1.2	56.9	37	2020
DIRECT 2107	231.5	18.8	1.1	1.3	58.7	37	2020
<i>DIRECT 0106-3220</i>	225.3	18.2	1.1	1.1	57.9	37	2020

Foundation data



CROP NOTES

In the VT stage, all leaves are visible and the tassel is extended, but silks are not yet visible.

DIRECT 8108GT

RELATIVE MATURITY:
108

RECOMMENDED POPULATION:
30-36,000

TRAITS: GT
(Glyphosate Tolerant)



Best performance in early tests

Exceptional performance
across the Corn Belt

Adapts to zones 5 through 7

Excellent late season
intactness

Versatile and widely-adapted

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 6

Goss' Wilt: 6

Common Rust: 5

SCLB: 5

Eyespot: 8

Anthraxnose: Not Rated

CHARACTERISTICS

Plant Height: Medium-Tall

Ear Height: Medium

Stalk Strength: Very Good

Root Strength: Very Good

Test Weight: Good

Seedling Vigor: 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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 8108-3010	211.5	19.5	1.0	1.0	59.9	15	2020
DIRECT 9103-3010	207.3	18.8	1.0	1.2	59.2	15	2020
DIRECT 8108-3010	211.5	19.5	1.0	1.0	59.9	15	2020
DIRECT 0101-DC	215.5	19.9	1.1	1.1	62.4	15	2020
DIRECT 8108-3010	211.5	19.5	1.0	1.0	59.9	15	2020
AG 6346VT2RIB	156.1	19.9	1.0	1.0	60.0	15	2020



CROP NOTES

After a corn plant completes vegetative states, it transitions to reproductive states to form kernels and ears.

CLOSEOUT

**DIRECT 1108-
DC/5122**

LIMITED

RELATIVE MATURITY:

108

RECOMMENDED POPULATION:

32-36,000

TRAITS: Agrisure
Duracade® 5122
E-Z Refuge®
GTCBLLRW-DC**KEY FEATURES**

Strong yield

Exceptional performance
across SGD footprintAdapts to varying soils and
management practices **AgrisureDuracade®**
5122 E-Z Refuge®**DISEASE RESISTANCE (9=BEST)**

NCLB: 9

GLS: 7

Goss' Wilt: 7

Common Rust: 6

SCLB: 7

Eyespot: 8

Anthracnose: Not Rated

CHARACTERISTICS

Test Weight: Very Good

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

CLOSEOUT

DIRECT 1109GT

LIMITED

RELATIVE MATURITY:

109

RECOMMENDED POPULATION:

30-34,000

TRAITS: GT
(Glyphosate Tolerant)**KEY FEATURES**Consistent performance
across varying soils

Fast drydown for maturity

 **AgrisureGT****DISEASE RESISTANCE (9=BEST)**

NCLB: 7

GLS: 6

Goss' Wilt: 6

Common Rust: 6

SCLB: 7

Eyespot: 6

Anthracnose: 7

CHARACTERISTICS

Test Weight: Fair

Seedling Vigor: Very Good

Drought Tolerance: Very Good

Drydown: Excellent

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Excellent

Hi Pop Tolerance: Excellent

Corn After Corn: Very Good

Ear Flex: Semi

*All closeout seed is limited availability, no return, any grade.***CROP
NOTES**

During the first reproductive stage, R1, every potential kernel (ovule) develops its own silk, visible outside the husks.



DIRECT 2109-DC/5122

RELATIVE MATURITY:
109

RECOMMENDED POPULATION:
30-36,000

TRAITS: Agrisure Duracade® 5122
E-Z Refuge® GTCBLLRW-DC



Replaces DIRECT 1108 with more yield

Moves north better than DIRECT 1108

Strong emergence

Outstanding yield potential

Strong agronomics

Stronger performance than data indicates

DISEASE RESISTANCE (9=BEST)

NCLB: 9

GLS: 8

Goss' Wilt: 6

Common Rust: 9

SCLB: Not Rated

Eyespot: Not Rated

Anthracoze: 9

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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 2109-3010	227.0	22.1	1.0	1.0	57.3	87	2020
DKC 57-97RIB	220.6	21.1	1.0	1.0	57.6	87	2020
DIRECT 2109-3010	228.9	19.1	1.0	1.0	57.8	57	2020
DKC 63-60RIB	232.3	20.5	1.0	1.0	57.4	57	2020
DIRECT 2109-3010	227.3	22.2	1.0	1.0	57.4	80	2020
P 0825AMXT	228.0	21.2	1.0	1.0	56.7	80	2020

Foundation data



CROP NOTES

Silks capture pollen the tassel sheds and move it down to the ovule, where pollination occurs.

DIRECT 8109 • 8109-3000 • 8109-3110 • 8109-3220

CLOSEOUT ON 3000

CLOSEOUT ON 3110

CLOSEOUT ON 3220

RELATIVE MATURITY:
109

RECOMMENDED POPULATION:
32-36,000

TRAITS: Conventional,
3000-GTCBLLRW,
3110-GTCBLLBL, 3220-GTCBLLBLHx1



Yield leader with strong agronomics

Adapts to zones 5 through 7

Strong stress tolerance

Superior roots, stalks, plant intactness

Protection against Western Bean Cutworm and Black Cutworm

DISEASE RESISTANCE (9=BEST)

NCLB: 7.5

GLS: 8

Goss' Wilt: 8

Common Rust: Not Rated

SCLB: 5

Eyespot: 5

Anthraxnose: Not Rated

CHARACTERISTICS

Plant Height: Medium-Tall

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Excellent

Test Weight: Good

Seedling Vigor: Excellent

Drought Tolerance: Excellent

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Excellent

No-Till Rating: Excellent

Staygreen: Very Good

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	TESTING LOCATIONS	YEAR
DIRECT 8109-3110	192.3	19.8	1.0	1.1	57.6	38	2018-19
P1197AM	192.9	19.9	1.0	1.1	59.2	38	2018-19
DIRECT 8109-3110	200.3	19.0	1.0	1.0	59.2	24	2018
SCS 1136YHR	198.9	20.1	1.0	1.0	61.8	24	2018
DIRECT 8109-3110	192.1	19.8	1.0	1.1	57.6	38	2018-19
A6488VT2PRIB	186.5	20.0	1.0	1.1	59.2	38	2018-19



All closeout seed is limited availability, no return, any grade.

CROP NOTES

At peak pollen production an individual plant can release 500,000 or more pollen grains per day.

DIRECT 0110-3110

RELATIVE MATURITY:
110

RECOMMENDED POPULATION:
32-36,000

TRAITS:
3110-GTCBLLBL



Sister and companion
to DIRECT 8109

Outstanding stress tolerance

Responsive to higher
planting populations

Leader in foliar disease
protection

Strong performance from
Central Iowa and moving east

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

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	TESTING LOCATIONS	YEAR
DIRECT 0110-3330	208.0	22.4	1.0	1.1	58.7	17	2020
SCS 1098YHR	200.0	21.3	1.0	1.1	60.1	17	2020
DIRECT 0110-3330	208.0	22.4	1.0	1.1	58.7	17	2020
DKC 60-88RIB	203.4	21.6	1.0	1.0	60.9	17	2020
DIRECT 0110-3330	208.0	22.4	1.0	1.1	58.7	17	2020
DIRECT 9107-3220	212.9	21.6	1.0	1.0	60.4	17	2020



CROP NOTES

Pollen shed occurs for seven or more days in most corn fields.

CLOSEOUT

DIRECT 8111 • 8111-3000 • 8111-3010

RELATIVE MATURITY:
111

RECOMMENDED POPULATION:
28–36,000

TRAITS:
Conventional,
3000-GTCBLLRW,
3010-GTCBLL

LIMITED

KEY FEATURES

Top, consistent yields

For best performance,
position north of I-70

Long, slender ears with
deep kernels

Very good grain quality

Best as a fuller-season hybrid

Protection against Western
Bean Cutworm and Black
Cutworm

 **Agrisure3000GT**

 **Agrisure3010**

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 6

Goss' Wilt: 6

Common Rust: 6

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: 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

CLOSEOUT

DIRECT 2110

LIMITED

RELATIVE MATURITY:
108–111

RECOMMENDED POPULATION:
26–30,000

TRAITS:
Conventional

KEY FEATURES

Best performance in moderate
to lower populations

Timely harvest recommended

DISEASE RESISTANCE (9=BEST)

NCLB: Not Rated

GLS: Not Rated

Goss' Wilt: Not Rated

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

CHARACTERISTICS

Test Weight: Good

Seedling Vigor: Good

Drought Tolerance: Good

Drydown: Good

No-Till Rating: Good

Staygreen: Good

Fall Appearance: Good

Hi Pop Tolerance: Good

Corn After Corn: Good

Ear Flex: Semi

All closeout seed is limited availability, no return, any grade.

CROP NOTES

About 10 days after R1, R2 begins with “blisters” (developing kernels) appearing on the cob.

DIRECT 1111

RELATIVE MATURITY:
111

RECOMMENDED POPULATION:
28-36,000

TRAITS:
Conventional



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

Dominant, multi-year
performance

Widely-adapted

Strong late season health

DISEASE RESISTANCE (9=BEST)

NCLB: 7.5

GLS: 7.5

Goss' Wilt: 6

Common Rust: 6

SCLB: Not Rated

Eyespot: Not Rated

Anthraco: Not Rated

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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 1111	219.2	21.5	1.0	1.1	61.0	17	2020
SCS 1087YHR	219.1	20.9	1.0	1.0	60.6	17	2020
DIRECT 1111	219.2	21.5	1.0	1.1	61.0	17	2020
DKC60-88RIB	203.4	21.6	1.0	1.0	60.9	17	2020
DIRECT 1111	219.2	21.5	1.0	1.1	61.0	17	2020
DIRECT 9110-3220	226.5	21.4	1.0	1.3	59.1	17	2020

CROP NOTES

In R2, kernel moisture is approximately 85% and silks begin to dry and darken.



DIRECT 2112-3120

RELATIVE MATURITY:
112

RECOMMENDED POPULATION:
28-36,000

TRAITS: Agrisure® 3120 E-Z
Refuge®, GTCBLLHx1



Superior grain quality and test weight

Excels at high populations in Eastern and Central Corn Belt

Tremendous agronomics

High yield potential

DISEASE RESISTANCE (9=BEST)

NCLB: 9

GLS: 9

Goss' Wilt: 9

Common Rust: Not Rated

SCLB: 9

Eyespot: Not Rated

Anthracoze: Not Rated

CHARACTERISTICS

Plant Height: Medium

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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 2112	211.6	21.1	1.0	1.0	60.6	79	2020
P 1464	206.9	21.2	3.0	2.0	61.0	79	2020
DIRECT 2112	214.7	21.1	1.5	1.0	60.3	127	2020
P 1366	214.0	19.9	1.5	1.5	59.9	127	2020
DIRECT 2112	220.7	21.1	1.0	1.0	60.1	153	2020
DKC 64-35	222.3	21.1	1.0	1.0	61.1	153	2020

Foundation data



CROP NOTES

In the R3 stage of corn, moisture content is around 80%.



DIRECT 2111-3120

RELATIVE MATURITY:
111

RECOMMENDED POPULATION:
28-36,000

TRAITS: Agrisure® 3120 E-Z
Refuge®, GTCBLLHx1



New yield leader for Indiana
and Ohio

Good grain quality and
test weight

Strong late-season intactness

High yield potential

Replaces DIRECT 9110-3220

Moves south as early hybrid,
north as full-season

DISEASE RESISTANCE (9=BEST)

NCLB: 9

GLS: 8

Goss' Wilt: 8

Common Rust: 6

SCLB: 8

Eyespot: Not Rated

Anthracoze: 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

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 2111	217.8	23.0	1.0	2.0	60.3	95	2020
<i>P 1197</i>	218.2	21.9	2.0	2.0	59.4	95	2020
DIRECT 2111	220.0	22.2	1.0	2.0	59.9	44	2020
<i>P 1093</i>	210.2	21.9	1.0	1.0	62.4	44	2020
DIRECT 2111	225.6	21.9	1.0	2.0	60.4	31	2020
<i>DKC 63-57</i>	226.3	22.6	1.0	2.0	60.9	31	2020

Foundation data



CROP NOTES

In the R3 stage, kernels contain a milky-white fluid, caused by accumulating starch.

DIRECT 7112 • 7112-3000

CLOSEOUT ON 3000

RELATIVE MATURITY:
112

RECOMMENDED POPULATION:
28-32,000

TRAITS:
Conventional, 3000-GTCBLLRW



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

DISEASE RESISTANCE (9=BEST)

NCLB: 7

GLS: 9

Goss' Wilt: 9

Common Rust: 5

SCLB: Not Rated

Eyespot: Not Rated

Anthraco: Not Rated

CHARACTERISTICS

Plant Height: Medium-Tall

Ear Height: Medium-High

Stalk Strength: Very Good

Root Strength: Very Good

Test Weight: Good

Seedling Vigor: Good

Drought Tolerance: Very Good

Highly Productive Soils: Very Good

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Good

No-Till Rating: Good

Staygreen: Good

Fall Appearance: Very Good

Hi Pop Tolerance: Good

Corn After Corn: Very Good

Kernel Rows: 14-16

Ear Flex: Flex

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 7112	213.5	23.7	1.0	1.0	--	11	2020
P 1197AM	199.6	23.2	1.0	1.0	--	11	2020
DIRECT 7112	213.5	23.7	1.0	1.0	--	11	2020
DKC 64-34RIB	199.5	25.3	1.0	1.0	--	11	2020
DIRECT 7112	213.5	23.7	1.0	1.0	--	11	2020
P 1311AM	175.2	22.9	1.6	1.0	--	11	2020

Agrisure3000GT

All closeout seed is limited availability, no return, any grade.

CROP
NOTES

In R4, around 25 days after R1, accumulated starch begins to thicken to a doughy consistency.

CLOSEOUT

DIRECT 9110-3220

LIMITED

RELATIVE MATURITY:
110

RECOMMENDED POPULATION:
32-38,000

TRAITS: 3220-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

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

CLOSEOUT

DIRECT 9112 • 9112-3110

LIMITED

RELATIVE MATURITY:
112

RECOMMENDED POPULATION:
30-34,000

TRAITS: Conventional, 3110-GTCBLLBL

KEY FEATURES

Medium, girthy ear with consistent tip fill

Yield advantage in low yield, stress environments

Very good grain quality

Tremendous staygreen and late-season intactness

Protection against Western Bean Cutworm and Black Cutworm



DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 9

Goss' Wilt: 9

Common Rust: 5

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: 5

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 closeout seed is limited availability, no return, any grade.

CROP NOTES

In the R4 stage, moisture is approximately 70%.

DIRECT 0113 • 0113-3110 • 0113-3111

CLOSEOUT ON 3111

RELATIVE MATURITY:
113

RECOMMENDED POPULATION:
28-34,000

TRAITS: Conventional,
3110-GTCBLLBL, 3111-GTCBLLRWBL



Early flowering with excellent plant health

Excellent grain quality

Strong agronomics and stress tolerance

Best performance I-70 south into mid-south

Protection against Western Bean Cutworm and Black Cutworm

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 8

Goss' Wilt: Not Rated

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

CHARACTERISTICS

Plant Height: Medium

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Excellent

Test Weight: Excellent

Seedling Vigor: Very Good

Drought Tolerance: Very Good

Highly Productive Soils: Very Good

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Very Good

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Excellent

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Kernel Rows: 16-20

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 0113-3111	210.0	26.3	1.0	1.0	--	11	2020
P 1197AM	199.6	23.2	1.0	1.0	--	11	2020
DIRECT 0113-3111	210.0	26.3	1.0	1.0	--	11	2020
DKC 64-34RIB	180.5	22.7	1.0	1.1	--	11	2020
DIRECT 0113-3111	184.8	23.2	1.0	1.1	--	9	2019
SCS 1136YHR	165.3	21.9	1.1	1.1	--	9	2019



All closeout seed is limited availability, no return, any grade.

CROP NOTES

Starch accumulation in corn increases kernel dry matter.



DIRECT 2113 • 2113-3110

RELATIVE MATURITY:

113

RECOMMENDED POPULATION:

28-34,000

TRAITS:

Conventional, 3110-GTCBLLBL



Strongest performance when kept east

Tall and robust

Good late season intactness and standability

Large flex ears

Adjusts to lower populations

Protection against Western Bean Cutworm and Black Cutworm

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 9

Goss' Wilt: 8

Common Rust: 6

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

CHARACTERISTICS

Plant Height: Tall

Ear Height: Medium-High

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: 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: Very Good

Silage Quality: Very Good

	YIELD	% MOISTURE	STALK LODGING (1=BEST)	ROOT LODGING (1=BEST)	TEST WEIGHT	TESTING LOCATIONS	YEAR
DIRECT 2113-3110	245.0	20.0	1.0	1.0	59.0	25	2020
DKC 64-34RIB	246.6	20.6	1.0	2.0	58.7	25	2020
DIRECT 2113-3110	245.0	20.0	1.0	1.0	59.0	25	2020
P 1197AM	239.0	18.7	1.0	1.0	58.3	25	2020
DIRECT 2113-3110	245.0	20.0	1.0	1.0	59.0	25	2020
P 1366Q	232.5	18.9	1.0	1.0	58.6	25	2020

Foundation data



CROP NOTES

In R5, kernels are dented and dry matter accumulation is approximately 45%.

CLOSEOUT

DIRECT 1113GT

LIMITED

RELATIVE MATURITY:

113

RECOMMENDED POPULATION:

28-34,000

TRAITS: GT

(Glyphosate Tolerant)

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

GLS: 7

Goss' Wilt: 7

Common Rust: 6

SCLB: 6

Eyespot: 6

Anthracnose: 6

CHARACTERISTICS

Test Weight: Good

Seedling Vigor: Very Good

Drought Tolerance: 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: Good

Ear Flex: Semi

CLOSEOUT

DIRECT 1114-3220

LIMITED

RELATIVE MATURITY:

114

RECOMMENDED POPULATION:

26-36,000

TRAITS:

3220-
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

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

All closeout seed is limited availability, no return, any grade.

CROP
NOTES

About 33 days after R5, a kernel reaches physiological maturity, or R6.

CLOSEOUT

**DIRECT 6114-3000 •
6114-3010**

LIMITED

RELATIVE MATURITY:
114

RECOMMENDED POPULATION:
32-36,000

TRAITS:
3000-GTCBLLRW,
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

 **Agrisure3010**

 **Agrisure3000GT**

DISEASE RESISTANCE (9=BEST)

NCLB: 8

GLS: 8

Goss' Wilt: Not Rated

Common Rust: 8

SCLB: 8

Eyespot: Not Rated

Anthracnose: 8

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

CLOSEOUT

DIRECT 2115

LIMITED

RELATIVE MATURITY:
110-115

RECOMMENDED POPULATION:
26-30,000

TRAITS:
Conventional

KEY FEATURES

Best performance in moderate
to lower populations

Timely harvest recommended

DISEASE RESISTANCE (9=BEST)

NCLB: Not Rated

GLS: Not Rated

Goss' Wilt: Not Rated

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

CHARACTERISTICS

Test Weight: Good

Seedling Vigor: Good

Drought Tolerance: Good

Drydown: Good

No-Till Rating: Good

Staygreen: Good

Fall Appearance: Good

Hi Pop Tolerance: Good

Corn After Corn: Good

Ear Flex: Flex/Semi

All closeout seed is limited availability, no return, any grade.

**CROP
NOTES**

In R6, corn is roughly 32% moisture and a black layer forms at the kernel tip preventing further accumulation of dry matter.

DIRECT 8115 • 8115-3110 • 8115-3111

CLOSEOUT ON 3111

RELATIVE MATURITY:

115

RECOMMENDED POPULATION:

28-34,000

TRAITS: Conventional,

3110-GTCBLLBL, 3111-GTCBLLRWBL



Top performer in 2018, 2019,
2020 Late Test

Adapts to zones 7 and 8

Exceptional late-season plant
health

Excellent grain quality

Consistent, stable genetics

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

Anthraco: Not Rated

CHARACTERISTICS

Plant Height: Medium

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Very Good

Test Weight: Very Good

Seedling Vigor: Very Good

Drought Tolerance: Excellent

Highly Productive Soils: Excellent

Mod. Productive Soils: Very Good

Less Productive Soils: Very Good

Drydown: Very Good

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Excellent

Hi Pop Tolerance: Excellent

Corn After Corn: Excellent

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	TESTING LOCATIONS	YEAR
DIRECT 8115-3111	220.6	26.1	1.0	1.0	--	11	2020
P 1197AM	199.6	23.2	1.0	1.0	--	11	2020
DIRECT 8115-3111	203.7	23.0	1.0	1.0	--	11	2020
DKC 64-34RIB	180.5	22.7	1.0	1.1	--	11	2020
DIRECT 8115-3111	203.7	23.0	1.0	1.0	--	11	2020
P 1637AM	179.0	25.4	1.0	1.0	--	11	2020



All closeout seed is limited availability, no return, any grade.

CROP NOTES

Starch is the primary source of a kernel's dry weight and is the most widely used part

DIRECT 8116 • 8116-3110

RELATIVE MATURITY:
116

RECOMMENDED POPULATION:
28-34,000

TRAITS: Conventional,
3110-GTCBLLBL



Ranked 7 out of 70 in
2016 SG115 Test

Yield leader in zone

Sister to DIRECT 8115

Adapts to varying soils

Adapts to zones 7 and 8

Workhorse

Protection against Western
Bean Cutworm and Black
Cutworm

DISEASE RESISTANCE (9=BEST)

NCLB: 6
GLS: 8
Goss' Wilt: 5
Common Rust: 5

SCLB: 8
Eyepot: Not Rated
Anthracnose: Not Rated

CHARACTERISTICS

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

Drydown: Good
No-Till Rating: Excellent
Staygreen: Excellent
Fall Appearance: Excellent
Hi Pop Tolerance: Very Good
Corn After Corn: Excellent
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	TESTING LOCATIONS	YEAR
DIRECT 8116	240.6	25.4	1.0	0.5	57.8	10	2016
<i>P1498HR</i>	229.2	23.5	2.0	0.0	60.0	10	2016
DIRECT 8116	240.6	25.4	1.0	0.5	57.8	10	2016
<i>DK64-87</i>	233.8	22.1	1.0	0.0	58.1	10	2016
DIRECT 8116	240.6	25.4	1.0	0.5	57.8	10	2016
<i>XL6873AM</i>	229.3	24.8	2.0	1.0	59.3	10	2016



**CROP
NOTES**

Starch is the key component in fuel, sweeteners, bioplastics and more.

SOYBEANS

29 Varieties

2.1–4.3 Day Relative Maturity

Enlist E3[®]

LibertyLink

XtendFlex[®]

Elite

GT1

Conventional

SOYBEAN PROTECTIONS

TREATMENT OPTIONS



PREMIUM TREATMENT FOR \$5 PER UNIT!

SGD's ProTEC S4 premium soybean treatment is a fraction of what other companies charge for similar treatments, (as high as \$16)!

It comes with **3 fungicides, 1 insecticide** and a **100% replant program*** so you have a trifecta of protections and your mind can be at ease!

PROTEC SHIELDS FROM:

- Fusarium
- Pythium
- Rhizoctonia
- Phomopsis
- Phytophthora
- Soil-borne insects



Available on bulk, mini bag, pro box.

FIGHT SDS & SCN

ILEVO is a seed treatment fungicide that protects seeds and seedlings against certain early season plant pathogenic fungi and nematodes that attack the root system. Add Ilevo to your seed for \$11 per unit!

ILEVO SHIELDS FROM:

- Sudden Death Syndrome
- Soybean cyst nematodes

*Available on treated soybeans ordered by Nov. 10, 2021. Orders made after Nov. 10, 2021 will receive a 50% replant guarantee. Replant procedures and forms must be completed by July 10, 2022 to be eligible.

INOCULANT OPTIONS



For just \$3 per unit, N-Force enhances soybean yield performance. Studies have proven that N-Force inoculant will benefit crop yield 70% of the time.






YIELD ENHANCEMENTS:

- More nodules on tap, lateral roots
- No extender results in better flow and less tacky beans
- Provides additional nitrogen to next year's crop
- +2.4 bpa over check 70% of time (3rd party tests, 43 locations)

TERMS:

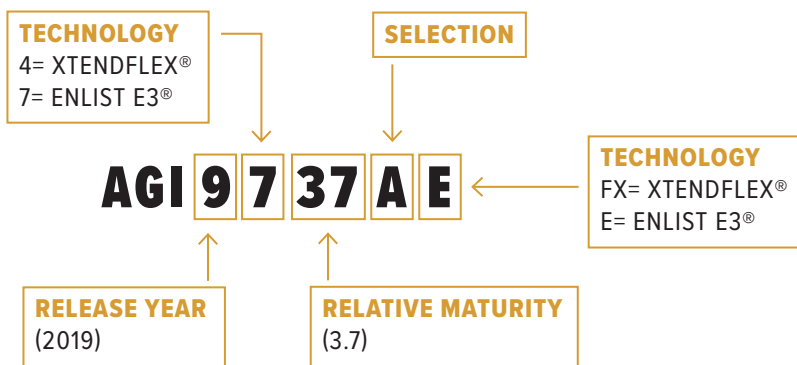
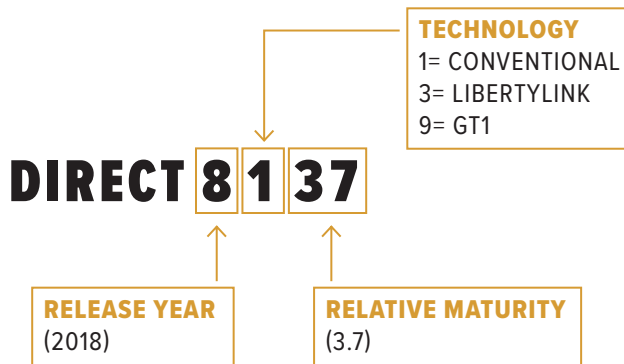
- 240-day survival on seed
- 180-day viability once opened
- Bulk, mini bag, pro box only

SOYBEAN TRAIT PROTECTIONS

	HERBICIDE PROTECTION			
	GLYPHOSATE	GLUFOSINATE	DICAMBA	2, 4-D CHOLINE
 <p>Seed Genetics DIRECT LLC</p> <p>CONVENTIONAL (NON-GMO)*</p>				
	✓	✓		✓
	✓	✓	✓	
 <p>Seed Genetics DIRECT LLC</p> <p>GT1</p>	✓			
		✓		



SOYBEAN NUMBERING NOMENCLATURE



2022 SOYBEAN YIELD CONTEST

SGD SOYBEAN YIELD CONTEST PRIZES:



• \$2,500 in SGD seed



• \$1,500 in SGD seed



• \$1,000 in SGD seed

TO ENTER:

Deadlines and forms available at www.seedgeneticsdirect.com. There is no entry fee. Email toddj@seedgeneticsdirect.com for more information.

To be eligible for prizes, entrants must plant Seed Genetics Direct soybean seed and grant Seed Genetics Direct 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



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	LOCATION	YEAR
AGI 1721AE	51.0	13	2020
TEST REGRESSION	48.8	13	2020
AGI 1721AE	51.0	13	2020
CHECK REGRESSION	50.1	13	2020

Foundation data





AGI 1724AE

RELATIVE MATURITY:
2.4

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



Beats every check in
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	LOCATION	YEAR
AGI 1724AE	55.8	25	2020
P24T76E	51.6	25	2020
AGI 1724AE	55.8	25	2020
TEST REGRESSION	52.0	25	2020
AGI 1724AE	55.8	25	2020
CHECK REGRESSION	52.5	25	2020

Foundation data



AGI 0725AE

RELATIVE MATURITY:
2.5

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



Dominant performance everywhere

Ranked 1st in 2019 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	LOCATION	YEAR
AGI 0725AE	63.4	9	2020
AGI 31M04	60.2	9	2020
AGI 0725AE	63.4	9	2020
DIRECT 0821MGL	57.3	9	2020
AGI 0725AE	63.4	9	2020
TEST MEAN	63.1	9	2020

SGD 2020 Early Test Replicated Plot Data





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

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	LOCATION	YEAR
AGI 1727AE	53.9	41	2020
AGI 0730AE	52.5	41	2020
AGI 1727AE	53.9	41	2020
CHECK REGRESSION	52.7	41	2020
AGI 1727AE	53.9	41	2020
TEST REGRESSION	52.6	41	2020

Foundation data





AGI 1729AE

RELATIVE MATURITY:
2.9

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



Replaces AGI 0730AE with more yield

Sets bar high for yield in relative maturity

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	LOCATION	YEAR
AGI 1729AE	56.5	39	2020
AGI 0730AE	53.4	39	2020
AGI 1729AE	56.5	39	2020
CHECK REGRESSION	53.7	39	2020
AGI 1729AE	56.5	39	2020
TEST REGRESSION	53.4	39	2020

Foundation data





AGI 1732AE

RELATIVE MATURITY:
3.2

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



High-yielding, stable genetics

 105% National Yield Index in
 low to high yield environments

 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	LOCATION	YEAR
AGI 1732AE	56.7	44	2020
AGI 0733AE	55.5	44	2020
AGI 1732AE	56.7	44	2020
CHECK REGRESSION	54.3	44	2020
AGI 1732AE	56.7	44	2020
TEST REGRESSION	53.4	44	2020

Foundation data



AGI 0733AE

RELATIVE MATURITY:
3.3

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



SGD's #1 volume variety for 2021

Indiana bpa: 75.4 LaGrange

Ohio bpa: 78.8 Tiffin,
71.6 Delphos

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	LOCATION	YEAR
AGI 0733AE	62.5	15	2020
AGI 31M04	60.7	15	2020
AGI 0733AE	62.5	15	2020
SCS 7390E	62.4	15	2020
AGI 0733AE	62.5	15	2020
TEST MEAN	62.0	15	2020

SGD 2020 Medium Test Replication Plot Data





AGI 1734AE

RELATIVE MATURITY:
3.4

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



#1 in Foundation
yield plots

104% High Yield Index

107% Low Yield Index

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	LOCATION	YEAR
AGI 1734AE	57.3	24	2020
AGI 0733AE	55.4	24	2020
AGI 1734AE	57.3	24	2020
CHECK REGRESSION	54.5	24	2020
AGI 1734AE	57.3	24	2020
TEST REGRESSION	53.7	24	2020

Foundation data





AGI 1736AE

RELATIVE MATURITY:
3.6

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



#2 in Foundation
yield plots

Very good lodging scores

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	LOCATION	YEAR
AGI 1736AE	58.7	30	2020
AGI 0738AE	54.4	30	2020
AGI 1736AE	58.7	30	2020
CHECK REGRESSION	55.6	30	2020
AGI 1736AE	58.7	30	2020
TEST REGRESSION	55.5	30	2020

Foundation data



AGI 9737AE

RELATIVE MATURITY:

3.6

TRAITS: Enlist E3®

(Tolerance to Glufosinate; Glyphosate; 2,4-D Choline)



#1 agronomics for Illinois,
Indiana, Ohio

Indiana bpa: 88.8 Tipton,
79.8 LaGrange

Ohio bpa: 80.8 Ada, 72.5 Tiffin,
70.5 Worthington

STS tolerance

Excellent lodging scores

Rps 1k gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: 9

Frogeye: 9

SCN: 8

SDS: 6

SWM: Not Rated

BSR: Not Rated

PRR: 8.5

CHARACTERISTICS

Plant Height: Medium-Tall

Plant Type: Intermediate Bush

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: White

Pubescence: Gray

Pod Wall: Brown

Hilum: Buff

	YIELD	LOCATION	YEAR
AGI 9737AE	65.2	15	2020
SCS 7370E	63.0	15	2020
AGI 9737AE	65.2	15	2020
SCS 7390E	62.4	15	2020
AGI 9737AE	65.2	15	2020
TEST MEAN	62.0	15	2020

SGD 2020 Medium Test Replicated Plot Data





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

+1.7 bpa over AGI 9739AE

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	LOCATION	YEAR
AGI 1738AE	57.4	38	2020
AGI 0738AE	53.3	38	2020
AGI 1738AE	57.4	38	2020
CHECK REGRESSION	54.2	38	2020
AGI 1738AE	57.4	38	2020
TEST REGRESSION	53.7	38	2020

Foundation data



AGI 9739AE

RELATIVE MATURITY:
3.9

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



Topped HH-40 Test (2019)

106% National Yield Index
in Kansas, Missouri, Illinois,
Kentucky, Indiana, Ohio (2018)

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	LOCATION	YEAR
AGI 9739AE	67.9	15	2020
SCS 7370E	63.0	15	2020
AGI 9739AE	67.9	15	2020
SCS 7390E	62.4	15	2020
AGI 9739AE	67.9	15	2020
TEST MEAN	62.0	15	2020

SGD 2020 Medium Test Replicated Plot Data



AGI 0743AE

RELATIVE MATURITY:
4.3

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



107% of check regression in high yield environments, 108% in low yield (2019)

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	LOCATION	YEAR
AGI 0743AE	69.5	6	2020
AGI 9742AE	52.2	6	2020
AGI 0743AE	69.5	6	2020
SCS 7390E	61.1	6	2020
AGI 0743AE	69.5	6	2020
TEST MEAN	59.2	6	2020

SGD 2020 Late Test Replicated Plot Data





AGI 1429AFX

RELATIVE MATURITY:
2.9

TRAITS: XtendFlex®
(Tolerance to Glufosinate, Glyphosate, Dicamba)



Strong performance in
Indiana and Ohio

Defensive

Rps 1c gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: 9	SWM: 7
Frogeye: Not Rated	BSR: Resistant
SCN: 7.5	PRR: 6
SDS: 7	

CHARACTERISTICS

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

	YIELD	LOCATION	YEAR
AGI 1429AFX	72.1	Northern Indiana	2020
<i>P 28T14E</i>	68.6	Northern Indiana	2020
AGI 1429AFX	72.1	Northern Indiana	2020
<i>P30T92E</i>	67.0	Northern Indiana	2020
AGI 1429AFX	72.1	Northern Indiana	2020
<i>S27-M8X</i>	66.1	Northern Indiana	2020

Foundation data





AGI 1431AFX

RELATIVE MATURITY:
3.1

TRAITS: XtendFlex®
(Tolerance to Glufosinate, Glyphosate; Dicamba)



Strong performance in
Indiana, Illinois, Iowa, Ohio

Rps 1c gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: 9	SWM: 7
Frogeye: Not Rated	BSR: Not Rated
SCN: 7.5	PRR: 6
SDS: 7	

CHARACTERISTICS

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

	YIELD	LOCATION	YEAR
AGI 1431AFX	64.0	Overall	2020
<i>P 30T99E</i>	62.1	Overall	2020
AGI 1431AFX	62.3	Overall	2020
<i>P 31A22X</i>	62.3	Overall	2020
AGI 1431AFX	64.6	Overall	2020
<i>P 30T92E</i>	59.9	Overall	2020

Foundation data





AGI 1433AFX

RELATIVE MATURITY:

3.3

TRAITS: XtendFlex®

(Tolerance to Glufosinate, Glyphosate, Dicamba)



Excellent emergence

Very good standability

Rps 1c gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: 9

Frogeye: Not Rated

SCN: 7.5

SDS: 6

SWM: Not Rated

BSR: Resistant

PRR: 5

CHARACTERISTICS

Plant Height: Medium-Tall

Plant Type: Intermediate Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

	YIELD	LOCATION	YEAR
AGI 1433AFX	64.4	Overall	2020
<i>P 30T99E</i>	62.0	Overall	2020
AGI 1433AFX	65.8	Overall	2020
<i>P 35A91BX</i>	66.7	Overall	2020
AGI 1433AFX	64.2	Overall	2020
<i>AGI 3801RX</i>	65.5	Overall	2020

Foundation data





AGI 1435AFX

RELATIVE MATURITY:
3.5

TRAITS: XtendFlex®
(Tolerance to Glufosinate, Glyphosate, Dicamba)



Beautiful harvest appearance

Compact

Rps 1c gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: 9

Frogeye: Not Rated

SCN: 7.5

SDS: 5

SWM: Not Rated

BSR: Resistant

PRR: 6

CHARACTERISTICS

Plant Height: Medium

Plant Type: Bush

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: White

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	LOCATION	YEAR
AGI 1435AFX	65.0	Overall	2020
<i>P 35A33X</i>	64.9	Overall	2020
AGI 1435AFX	63.9	Overall	2020
<i>P 37A27X</i>	64.8	Overall	2020
AGI 1435AFX	63.9	Overall	2020
<i>P 38T20X</i>	64.3	Overall	2020

Foundation data





AGI 0439AFX

RELATIVE MATURITY:
3.9

TRAITS: XtendFlex®
(Tolerance to Glufosinate, Glyphosate, Dicamba)



Yield winner in trait maturity

Best performance in southern Ohio, southern Indiana, Kentucky

Seed treatment improves PRR

Rps 1c gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: 9

Frogeye: 7

SCN: 7.5

SDS: 5

SWM: Not Rated

BSR: Not Rated

PRR: 6

CHARACTERISTICS

Plant Height: Medium-Tall

Plant Type: Intermediate Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

	YIELD	LOCATION	YEAR
AGI 0439AFX	60.9	Overall	2020
P 37A27X	61.9	Overall	2020
AGI 0439AFX	62.6	Overall	2020
P 38T20X	63.5	Overall	2020
AGI 0439AFX	59.8	Overall	2020
P 41T07E	58.4	Overall	2020

Foundation data



AGI 25M04

RELATIVE MATURITY:
2.5

TRAITS: GT1
(Tolerance to Glyphosate)



Older, proven genetics that can 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	LOCATION	
AGI 25M04	73.4	14	EAST
TEST MEAN	63.2	14	EAST
AGI 25M04	73.4	14	EAST
P 92B38RR	62.4	14	EAST
AGI 25M04	73.4	14	EAST
A2107NRR	58.9	14	EAST



AGI 27M04

RELATIVE MATURITY:
2.7

TRAITS: GT1
(Tolerance to Glyphosate)



Older, proven genetics that can compete with new

Strong emergence

Rps 1k gene

DISEASE RESISTANCE (9=BEST)

Stem Canker: Not Rated

Frogeye: Not Rated

SCN: Not Rated

SDS: Not Rated

SWM: Not Rated

BSR: Not Rated

PRR: 7.5

CHARACTERISTICS

Plant Height: Medium

Plant Type: Intermediate

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: White

Pubescence: Light Tawny

Pod Wall: N/A

Hilum: Black

No Data Available



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	LOCATION	YEAR
AGI 31M04	60.7	15	2020
TEST MEAN	62.0	15	2020
AGI 31M04	60.7	15	2020
DM 36E61	60.3	15	2020
AGI 31M04	60.7	15	2020
DIRECT 9938GT	59.8	15	2020

SGD 2020 Medium Test Replicated Plot Data



DIRECT 9934GT

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: Bushy

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

	YIELD	LOCATION	YEAR
DIRECT 9934GT	62.4	15	2020
TEST MEAN	62.0	15	2020
DIRECT 9934GT	62.4	15	2020
DM 36E61	60.3	15	2020
DIRECT 9934GT	62.4	15	2020
AGI 9734AE	62.2	15	2020

SGD 2020 Medium Test Replicated Plot Data

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

SWM: 7.2

Frogeye: 7.1

BSR: Not Rated

SCN: 7.5

PRR: 7.3

SDS: 7.1

CHARACTERISTICS

Plant Height: Medium

Flower: White

Plant Type: Bush

Pubescence: Light Tawny

Emergence: Excellent

Pod Wall: Tan

Standability: Very Good

Hilum: Black

Seedling Vigor: Excellent

	YIELD	LOCATION	YEAR
DIRECT 9938GT	60.7	6	2022
TEST MEAN	59.2	6	2020
DIRECT 9938GT	60.7	6	2020
AGI 3502RX	56.6	6	2020
DIRECT 9938GT	60.7	6	2020
DM 36E61	61.8	6	2020

SGD 2020 Late Test Replicated Plot Data

DIRECT 8332LL

RELATIVE MATURITY:
3.2

TRAITS: LibertyLink
(Tolerance to Glufosinate)



Consistent performance
east to west

Rps c gene

PI 88.788

DISEASE RESISTANCE (9=BEST)

Stem Canker: 6.6

Frogeye: 7.2

SCN: 8

SDS: 7.6

SWM: 7.4

BSR: Moderate

PRR: 7.6

CHARACTERISTICS

Plant Height: Medium

Plant Type: Medium Bush

Emergence: Excellent

Standability: Good

Seedling Vigor: Excellent

Flower: White

Pubescence: Gray

Pod Wall: Tan

Hilum: Buff

	YIELD	LOCATION	YEAR
DIRECT 8332LL	56.1	14	--
ASG30X6	55.0	14	--
DIRECT 8332LL	56.1	14	--
ASG3231RR2Y	51.3	14	--
DIRECT 8332LL	56.1	14	--
TEST AVERAGE	54.5	14	--



DIRECT 8338LL

RELATIVE MATURITY:
3.8

TRAITS: LibertyLink
(Tolerance to Glufosinate)



Heavy branching lines
with top yields

Consistent performer in
east and west

Moves north and south

Best performance on highly
productive fields

PI 88.788

Rps c gene

DISEASE RESISTANCE (9=BEST)

Stem Canker: 7.2

Frogeye: 6.2

SCN: 7.6

SDS: 7.4

SWM: 6.8

BSR: Moderate

PRR: 7.6

CHARACTERISTICS

Plant Height: Medium-Tall

Plant Type: Medium Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: White

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Black

	YIELD	LOCATION	YEAR
DIRECT 8338LL	55.9	14	--
ASG38X6	51.8	14	--
DIRECT 8338LL	55.9	14	--
ASG3832RR2Y	55.0	14	--
DIRECT 8338LL	55.9	14	--
ASG34X6	53.4	14	--



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: Moderate

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	LOCATION	YEAR
DIRECT 8129	57.6	20	--
DIRECT 8326LL	55.4	20	--
DIRECT 8129	52.3	19	--
DIRECT 8332LL	51.9	19	--
DIRECT 8129	63.8	24	--
ASG 3253	59.5	24	--

DIRECT 8133

RELATIVE MATURITY:
3.3

TRAITS:
Conventional



Strong line 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	LOCATION	YEAR
DIRECT 8133	58.8	2	--
TEST AVERAGE	58.7	2	--
DIRECT 8133	58.8	2	--
DIRECT 8332LL	53.9	2	--
DIRECT 8133	58.8	2	--
ASG 33X8	50.0	2	--

DIRECT 8137

RELATIVE MATURITY:
3.7

TRAITS:
Conventional



Exceptional yields
north of I-70

Adapts to varying soil types
and environments

39.6% protein, 21.2 % seed oil
(per Foundation)

Rps c gene

PI 88.788/R3; MR14

DISEASE RESISTANCE (9=BEST)

Stem Canker: Not Rated

Frogeye: 7.6

SCN: 8

SDS: 7.4

SWM: Not Rated

BSR: Not Rated

PRR: 7.4

CHARACTERISTICS

Plant Height: Medium

Plant Type: Medium Bush

Emergence: Excellent

Standability: Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Brown

	YIELD	LOCATION	YEAR
DIRECT 8137	56.1	7	--
AGI 3801RX	52.2	7	--
DIRECT 8137	56.1	7	--
TEST AVERAGE	58.3	7	--
DIRECT 8137	56.1	7	--
DIRECT 9938GT	56.4	7	--

DIRECT 8142

RELATIVE MATURITY:
4.2

TRAITS:
Conventional



Very strong performance in southern Indiana, southern Ohio, and mid-south

.....
Moves east to west
.....

Rps c gene
.....

PI 88.788/R3; MR14
.....

DISEASE RESISTANCE (9=BEST)

Stem Canker: 8

Frogeye: Not Rated

SCN: 8

SDS: 6.8

SWM: Not Rated

BSR: Not Rated

PRR: 7.6

CHARACTERISTICS

Plant Height: Medium-Tall

Plant Type: Medium Bush

Emergence: Excellent

Standability: Good

Seedling Vigor: Excellent

Flower: White

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	LOCATION	YEAR
DIRECT 8142	62.3	4	--
ASG 39X7	58.3	4	--
DIRECT 8142	62.3	4	--
DIRECT 8342LL	58.0	4	--
DIRECT 8142	62.3	4	--
TEST AVERAGE	56.5	4	--

WHEAT



2 Varieties

**Medium
Maturity**

**Bearded and
Smooth**

WHEAT PROTECTIONS

TREATMENT OPTIONS



SHIELD YOUR WHEAT FROM BARLEY YELLOW DWARF MOSAIC AND MORE!

ProTEC W4 provides total seed protection with **3 powerful fungicides** and **1 insecticide** that shield from:

DISEASES:

- Barley Yellow Dwarf Mosaic
- Crown Rot
- Common Bunt (Stinking Smut)
- Damping Off
- General Seed Rots
- Loose Smut
- Powdery Mildew
- Pythium
- Rhizoctonia
- Root Rot
- Scab
- Seedling Blight










INSECTS:

- Almond Moth
- Angoumois Grain Moth
- Aphids
- Bean Weevil
- Confused Flour Beetle
- Hessian Fly
- Indian Meal Moth
- Larger Grain Borer
- Lesser Grain Borer
- Sawtooth Grain Beetle
- Merchant Grain Beetle
- Wireworms



2022 WHEAT YIELD CONTESTS



NATIONAL WHEAT YIELD CONTEST PRIZES:	OHIO WHEAT YIELD CONTEST PRIZES:	SGD WHEAT YIELD CONTEST PRIZES:
 <ul style="list-style-type: none"> • \$2,500 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL² • NWF plaque² 	 <ul style="list-style-type: none"> • \$2,500 in SGD seed¹ • 1-year free lease on seed tender³ • OCWGA trophy³ 	 <ul style="list-style-type: none"> • \$2,500 in SGD seed¹
 <ul style="list-style-type: none"> • \$1,500 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL² • NCGA plaque² 	 <ul style="list-style-type: none"> • \$1,500 in SGD seed¹ • Fungicide³ • OCWGA trophy³ 	 <ul style="list-style-type: none"> • \$1,500 in SGD seed¹
 <ul style="list-style-type: none"> • \$1,000 in SGD seed¹ • Trip to 2023 Commodity Classic in Orlando, FL² • NCGA plaque² 	 <ul style="list-style-type: none"> • \$1,000 in SGD seed¹ 	 <ul style="list-style-type: none"> • \$1,000 in SGD seed¹

Ohio Corn and Wheat Growers Association also awards prizes to the top winners and runners-up (ie: 1st- and 2nd-place) in state districts (9 districts for a total of 18 additional prizes).

TO ENTER:

Deadlines and forms are available at yieldcontest.wheatfoundation.org and seedgeneticsdirect.com. National entrants are automatically entered in state contests. SGD will cover the cost of state wheat association membership and contest entry for growers who enter national and state contests by planting Seed Genetics Direct seed. Email toddj@seedgeneticsdirect.com for more information.

¹Prizes 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.

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

³Prizes notated with a "3" are provided by the Ohio Corn and Wheat Growers Association. To be eligible for prizes notated with a "3", grower must be the overall state winner and place at the required, indicated level in the Ohio Wheat Yield Contest, as determined by OCWGA. 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 OCWGA membership, and contest entry fees, entrants must plant Seed Genetics Direct wheat seed and grant Seed Genetics Direct, NWF, NWYC, and OCWGA 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.

AGI 114



Works across a variety of soils

Heavy bucket weight

Very uniform and attractive

Excellent disease package

Consistent, workhorse

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

Maturity: Medium

Head: Smooth

Height: Medium

Lodging: 8

Test Weight: 8+

Winter Hardiness: 8

Hessian Fly: R (Bio L)

AGI 217B



SGD's #1 volume variety

Ranked 1 in 2018 Ohio Wheat Performance Test Summary

Ranked 2 in 2019 Ohio Wheat Performance Test Summary

Ranked 5 in 2020 Ohio Wheat Performance Test Summary

Responds to fungicide

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

Maturity: Medium

Head: Bearded

Height: Medium

Lodging: 8

Test Weight: 8

Winter Hardiness: 8

Hessian Fly: R (Bio L)

ALFALFA

5 Varieties

**Haylage and Dry
Bale Preferences**

324LH BRAND



Tolerant to potato leafhopper

3 or 4 cuts expected
each season

Performs well in mixtures
with cool season grasses and
legumes

Medium plant height and
canopy

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

CHARACTERISTICS

Yield Rating (5=Best): 2
Fall Dormancy: 3
Winter Hardiness (1=Highest): 2

Multifoliate Leaf Expression:
Moderate
FastGrowth Rating*: Not Rated

405 BRAND



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

Yield Rating (5=Best): 2
Fall Dormancy: 4
Winter Hardiness (1=Highest): 2

Multifoliate Leaf Expression:
Moderate
FastGrowth Rating*: Not Rated

*FastGrowth Ratings are calculated by Alforex Seeds 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

463 RR



Resistant to stem nematode

High yield potential in multiple environments

Very good 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: High

CHARACTERISTICS

Yield Rating (5=Best): 5

Fall Dormancy: 4

Winter Hardiness (1=Highest): 2

Multifoliate Leaf Expression: Low

FastGrowth Rating*: Average



AFX 469



Works well in aggressively-managed, established acres

11% yield advantage over PGI 557

4 or more cuts expected

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

Very fast green-up after harvest, accelerated growth

Haylage preference

RESISTANCE RATINGS

Anthracnose: High

Aphanomyces-Race 1: High

Aphanomyces-Race 2: Moderate

Bacterial Wilt: High

Fusarium Wilt: High

Phytophthora Root Rot: High

Verticillium Wilt: High

Blue Alfalfa Aphid: Resistant

Cowpea Aphid: Moderate

Pea Aphid: Moderate

Potato Leafhopper: Not Rated

Spotted Alfalfa Aphid: Resistant

Northern Root Knot: Resistant

Stem Nematode: High

CHARACTERISTICS

Yield Rating (5=Best): 5

Fall Dormancy: 4

Winter Hardiness (1=Highest): 1.5

Multifoliate Leaf Expression:

47%/Low

FastGrowth Rating*: 2.11/Fast

AFX 579



Works well in aggressively-managed acres to maximize dry matter

4 or more cuts expected each season

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

Dry bale preference

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: Resistant

Stem Nematode: High

CHARACTERISTICS

Yield Rating (5=Best): 5

Fall Dormancy: 5

Winter Hardiness (1=Highest): 2.5

Multifoliate Leaf Expression: 49%/Low

FastGrowth Rating*: 2.26/Very Fast



*FastGrowth Ratings are calculated by Alforex Seeds 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

FORMULAS AND RESOURCES



BY THE NUMBERS

350+



EMPLOYEE YEARS OF EXPERIENCE IN AGRICULTURE

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



20

RESEARCH LOCATIONS



40

TEST SITES



20

STEEP PLOTS



40

CORN TESTS



46

SOYBEAN TESTS



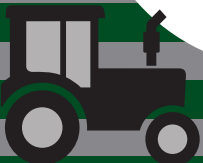
40,000+

YIELD PLOTS

**corn
100%**

REPLANT GUARANTEE

**treated soybeans
100%***



WE OFFER:

5

ALFALFA OFFERINGS

34 CORN HYBRIDS

2

WHEAT OFFERINGS

29 SOYBEAN OFFERINGS

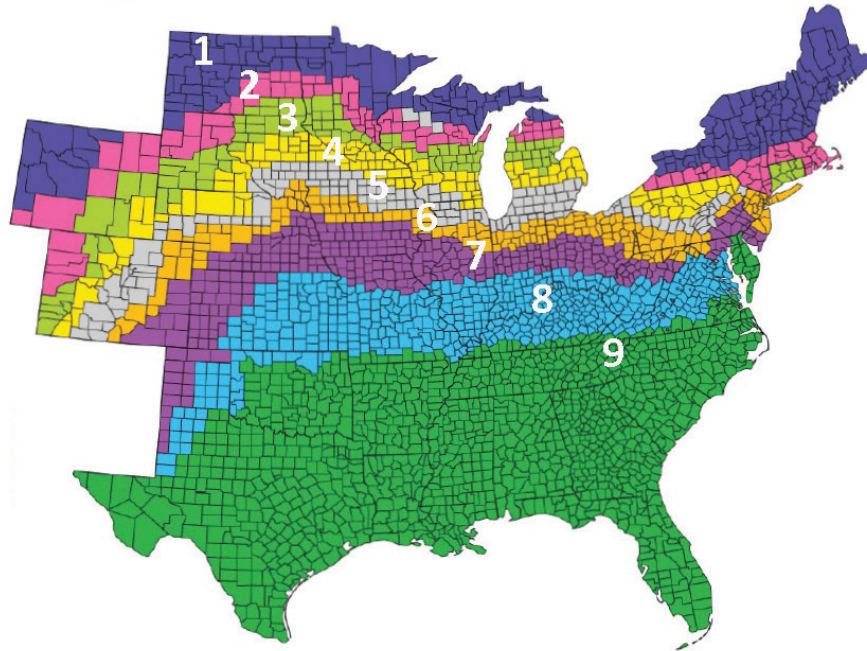
TREATMENTS AND HERBICIDES

*Order by Nov. 10, 2021

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 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 on page 79)
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

Ears per 1/1000 of an acre

- X # of rows (width)
- X # of kernels per row (length)
- X .01116

Estimated Bushels Per Acre at 15.5%



FORAGE FIELD SEED RATES

See Seed Genetics Direct's grass offerings and prices on page 96.

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 ₂ O ₅	K ₂ 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 ₂ O ₅	K ₂ 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"
2.1-2.5	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	
2.6-3.0	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	
3.1-3.5	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	
3.6-4.1	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 environments, 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 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 84)
2. Comparing the estimated yield of the existing stand versus that of replanted crop (see “Soybean Yield Effects from Reduced Plant Populations” chart below and “Soybean Delayed Planting” chart on page 82)
3. Considering estimated replanting costs (fuel, weed control, labor, etc.)



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 STAND COUNTS

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 next page. If you do not have a hoop, measure one square yard, count the plants, then refer to the chart on the next page.

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



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									
LOOP CIRCUMFERENCE →		94"	97"	100.5"	104"	107"	110"	113"	116"	119"

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 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 = 9 Square Feet

1 Square Yard = 1,296 Square Inches

1 Acre = 43,560 Square Feet

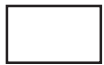
1 Square Mile = 640 Acres



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 Yard = 36 Inches
 = 3 Feet

1 Mile = 5,280 Feet
 = 1,760 Yards

1 Rod = 16.5 Feet
 = 5.5 Yards

WEIGHT

1 Pound = 16 Ounces

1 Ton = 2,000 Pounds

1 Metric
 Ton = 2,205 Pounds

WEIGHTS AND MEASUREMENTS

VOLUME

1 Cubic Foot = 1,728 Cubic Inches

1 Cubic Yard = 27 Cubic Feet

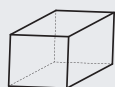
1 Cubic Foot = 7.48 Gallons

1 Cubic Foot = 62.4 Pounds of Water

1 Gallon = 8.345 Pounds of Water

Bushel Capacity of Bins, Cribs, Piles

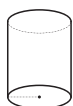
= Volume in Cubic Feet ÷ 1.25 (2.25 for Ear Corn)



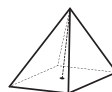
**Square or Rectangular
Bin or Crib** =
Width x Length x Height



**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 Pint = 16 Fluid Ounces
= 2 Cups

1 Quart = 32 Fluid Ounces
= 4 Cups
= 2 Pints

1 Gallon = 128 Fluid Ounces

= 16 Cups
= 8 Pints
= 4 Quarts

1 Liter = 1.06 Quarts

THE FINE PRINT



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.

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More information about Agrisure Duracade® is available at www.biotradestatus.com/.

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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.

CORTEVA TRAIT STEWARDSHIP

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html). To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Dow AgroSciences LLC (or other appropriate affiliates). In consideration of the foregoing, Dow AgroSciences grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

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.

DICAMBA HERBICIDE AND SOYBEAN

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

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



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HERCULEX® LOGO AND TRADEMARK

Agrisure® Technology incorporated into these seeds is commercialized under license from Syngenta Seeds, Inc. Herculex® Technology incorporated into these seeds is commercialized under license from Dow AgroSciences, LLC. HERCULEX® and the HERCULEX Shield are trademarks of Dow AgroSciences, LLC.

Herculex® Insect Protection technology by Dow AgroSciences and Pioneer Hi-Bred.® Herculex and the Herculex logo are trademarks of The Dow Chemical Company ("Dow") or an affiliated company of Dow. Liberty Link® and the Water Droplet Design® are registered trademarks of Bayer. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.



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 LibertyLink® (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.



XTENDFLEX® SOYBEANS

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. **ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION.** Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate,

glufosinate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Roundup Ready 2 Yield® and XtendFlex® are registered trademarks of Bayer Group. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. ©2021 Bayer Group. All rights reserved.



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. Glypho-

sate 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.

SEED PIRACY – SOYBEANS

Seed containing the XtendFlex® traits can only be used to plant a single commercial crop. It is unlawful to save and replant XtendFlex® soybeans. Additional information and limitations on the use of this product are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: <https://tug.bayer.com>. U.S. patents for Bayer technologies can be found at the following webpage: <http://www.monsantotechnology.com>

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.

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.





BUY EARLY AND SAVE BIG!

Purchase your 2022
seed early to lock in
serious savings!



PURCHASE BY	JDF FIXED 0% SAVINGS*	SGD EARLY-PAY SAVINGS**
8/10/21	8%	14%
9/10/21	7%	13%
10/10/21	6%	12%
11/10/21	5%	11%
12/10/21	4%	10%
1/10/22	3%	9%
2/10/22	1%	7%
3/10/22	0%	5%
4/10/22	0%	3%
5/10/22	0%	2%
6/10/22	0%	1%

ADDITIONAL SAVINGS

on orders placed by Nov. 10, 2021:

- Save \$10 per unit of corn
- Avoid \$2 per unit corn pro box fee
- Save \$1 per unit of soybeans
- Receive 100% replant guarantee on treated soybeans**



WANT BILLS & NEWSLETTERS VIA EMAIL?
Just email Erika Jeffries, director of marketing and special projects, at erikaj@seedgeneticsdirect.com!

The above options are available on seed purchases made between August 1, 2021 and June 10, 2022.

*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 Seed Genetics Direct at 740-505-6545. Approval and credit limits are established by John Deere Financial, not Seed Genetics Direct. Terms and conditions apply. See respective credit applications for full terms and disclosures. Individuals must be enrolled and approved to qualify for discounts. Discounts are applied on approval date from JD Financial. A signed terms of disclosure must be on file. A minimum purchase of \$1,000 is required. Payments are due in full to JDF in December 2022. SGD balances and accounts must be paid in full by July 10, 2022, unless paying through John Deere Financial. SGD Early Pay discounts are applied on date of payment to SGD. Treated soybeans must be ordered by Nov. 10, 2021 to be eligible for 100% replant; forms and procedures must be completed by July 10, 2022.

A GOOD START PROVIDES A GREAT END

SGD offers the following seed protections:

CORN



PROTEC C4+

- Protects from nematodes, blights, aphids and more
- Guards against Fusarium, Pythium, Rhizoctonia and more
- Enhances yield, health, drought tolerance, roots
- Improves seedling stress resistance

SOYBEAN



ILEVO

- Leading protection against both Sudden Death Syndrome (SDS) and Soybean Cyst Nematodes (SCN)
- More than 4.6 bushel/acre average yield gain
- Dramatically out-performs competitors against nematodes
- Allows for earlier planting due to SDS protection
- Stronger, healthier plants

bulk, mini bag, pro box only

SOYBEAN



N-FORCE

- More nodules on tap root and lateral root than any other brand
- Enhances yield performance
- Supplies additional nitrogen to next year's crop
- Less tacky beans, better flow

bulk, mini bag, pro box only

SOYBEAN



PROTEC S4 Shields from

- Fusarium
- Phomopsis
- Pythium
- Phytophthora
- Rhizoctonia
- Soil-borne insects

WHEAT



PROTEC W4

- Protects from Barley Yellow Dwarf Mosaic
- Defends against aphids, moths, beetles, borers, Hessian Fly and more
- Shields against Pythium, Rhizoctonia, Root Rot and more


20
RESEARCH
LOCATIONS




CUSTOMERS IN
440+
COMMUNITIES




IN
15
STATES



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

