

SEED GUIDE 2024



Seed Genetics
DIRECT LLC

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



CORN • SOYBEANS • WHEAT • ALFALFA • SORGHUM • HERBICIDES

Dear Friends,

Thank you for another year of explosive growth!

We not only continue to add more customers, and more employees to better serve your needs, but we also continue to add new products and hybrids to abide by our motto: “Value. Knowledge. Performance. It’s in our genetics.”

Sometimes seed businesses are like sheep -- just following what the leading competition does. At Seed Genetics Direct, we believe in bucking that trend and carving our own path. In that spirit, and after completing in-depth research and evaluations, we are proud to share a few exciting announcements:

1. REMOVE INSECTICIDE, ADD INOCULANT & CHITOSAN

We decided to remove the insecticide from our soybean treatment and add inoculant on all treated soybean seed, as well as take advantage of chitosan (ground shell) technology to support better germination and nematode suppression. Universities such as Purdue, The Ohio State University, Michigan State, Penn State, and more have researched and stated that insecticide has little to no benefit on soybeans. Instead, insecticide produces resistance, harms beneficial insects, and flushes your money down the drain. Why pay for something you don’t need? By eliminating the neonicotinoids from our soybean treatment, we create more sustainable farming techniques, benefit our ecosystem, and save you money.

Now that we’re removing something you don’t need, we’re adding something you do need: inoculant. Inoculant is the most underrated add-on that enhances yield performance and keeps nitrogen in the soil for next year’s crop. Studies show inoculant benefits crop yield 70% of the time. We think you need it, so we’re including it with all treated soybeans at no extra charge.

Then we’re also adding chitosan technology to help plants get out of the ground quicker, improve stands, and provide additional protection against pathogens, such as Pythium and Rhizoctonia. This EPA-approved enhancement can increase your yield by 3-5 bushels per acre. This addition also comes at no extra charge.

On top of all that, as usual, we provide 100% replant on all treated soybeans ordered by Nov. 10.

2. NEW BRAND OPTION

We’ve added a new brand, Innotech, to our already robust soybean lineup that includes Seed Genetics Direct and AGI brands. Having access to three premium brands, as well as the majority of trait and genetic suppliers, allows us to further



Todd Jeffries, Vice President (left) and Chris Jeffries, President.

strengthen and diversify our lineup. You’ll get more choices and the best available genetics on the market, as well as keep money in your wallet. Who doesn’t want that?

3. NEW CORN TECH

We continue to supply growers with a full and diverse line-up of the latest elite and field-tested corn hybrids. As you may know, we are members of AGI, which gives us additional access to genetics. Through them, this year we are releasing corn lines with PowerCore® Enlist®, a comprehensive trait package for above-ground pests and weed management. PowerCore® Enlist® corn features three modes of action against above-ground insect pests for broad-spectrum and long-lasting control. Tolerance to multiple herbicides – including glyphosate; glufosinate; 2,4-D choline; and FOPs – gives you flexibility in herbicide choice and management practices to help maximize yield. PowerCore® Enlist® corn is designed to help you control insects and the toughest weeds in your fields all season long.

We are very excited to continue to pave a new path with enhanced options for growers! As my dad says, “If you continue to do the same things, you will get the same results.” We think you will find that these changes benefit your farm and provide solutions to help achieve better agronomics, better yield, and a better bottom line.

With appreciation,

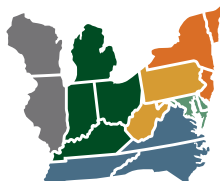
A handwritten signature in black ink that reads "Todd Jeffries".

**TODD JEFFRIES
VICE PRESIDENT**

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

CORN

2023 YIELD CONTESTS



NATIONAL CONTEST PRIZES



- \$10,000 in SGD seed¹
- \$10,000 in herbicide if HD customer; \$5,000 if not³
- Trip to Commodity Classic¹
- NCGA plaque²



- \$5,000 in SGD seed^{1*}
 - \$5,000 in herbicide if HD customer; \$2,500 if not^{3*}
 - Trip to Commodity Classic¹
 - State prizes
- Double prize amount for first person to earn 1st-place in a state contest!*



- \$2,500 in SGD seed¹
- \$2,500 in herbicide if HD customer; \$1,250 if not³



- \$7,500 in SGD seed¹
- \$7,500 in herbicide if HD customer; \$3,750 if not³
- Trip to Commodity Classic¹
- NCGA plaque²



- \$2,500 in SGD seed¹
- \$2,500 in herbicide if HD customer, \$1,250 if not customer³
- Trip to Commodity Classic¹



- \$1,500 in SGD seed¹
- \$1,500 in herbicide if HD customer, \$750 if not³



- \$5,000 in SGD seed¹
- Trip to Commodity Classic¹
- \$5,000 in herbicide if HD customer; \$2,500 if not³. NCGA plaque²



- \$1,500 in SGD seed¹
- \$1,500 in herbicide if HD customer, \$750 if not customer³
- Trip to Commodity Classic¹



- \$1,000 in SGD seed¹
- \$1,000 in herbicide if HD customer, \$500 if not³

ENTRY

Complete the entry form at seedgeneticsdirect.com/contests.

Complete the entry form at seedgeneticsdirect.com/contests.

Complete the entry form at seedgeneticsdirect.com/contests.

DEADLINE

August 16

August 16

Nov. 30

FEES

FREE—Paid by SGD

FREE—Paid by SGD

FREE

2022 SGD YIELD WINNERS



268.99 BPA
by Don Jackson of
Camden, Ohio with
DIRECT 2111-AA



260.11 BPA
by Kerry Bowman of
Sabina, Ohio with
DIRECT 2111-AA



242.03 BPA
by Tim Hartsock of
Circleville, Ohio with
DIRECT 8115-3111

Winners receive awards for the highest prize level attained. Awards are non-transferable and cannot be transferred to cash awards. Full terms and rules at seedgeneticsdirect.com. All prizes subject to change.

TREATMENTS



FREE PROTEC C4+ PREMIUM TREATMENT

&

FREE 100% REPLANT
on all corn orders!*

INGREDIENTS

- 4 fungicides
- Insecticide

DISEASE PROTECTION

- Decay
- Damping-off
- Fusarium
- Penicillium
- Pythium
- Rhizoctonia

INSECT PROTECTION

- Aphids
- Chinch bug
- Flea beetle
- Grape colaspis
- Seed corn maggot
- Seedling blights
- Thrips
- White grub
- Wireworm

ENHANCEMENTS

- Yield
- Emergence
- Drought tolerance
- Health
- Nematode reduction
- Root development
- Seedling stress resistance
- Seedling rates
- Vigor

*100% replant provided only on treated corn orders. Replant procedures and forms must be completed by June 20, 2024. A Technology Use Agreement must be on file for treated corn to qualify for a replant.



ENLIST® WEED CONTROL SYSTEM OVERVIEW

On-Target Application

- 90% less drift than traditional 2,4-D
- 96% less volatile than 2,4-D ester

Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use on PowerCore® Enlist® corn crops.

2,4-D choline | Glyphosate | Glufosinate | FOP Herbicides












- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two sites of action work together to deliver control of yield-robbing weeds and help prevent resistance



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with Liberty® herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

TRAITS

	INSECT PROTECTION						HERBICIDE PROTECTION			
	BLACK CUTWORM	BROAD LEPIDOPTERAN CONTROL VIP	BROAD LEPIDOPTERAN SUPPRESSION HX1	CORN BORER	ROOTWORM	WESTERN BEAN CUTWORM	2, 4-D CHOLINE	FOP	GLYPHOSATE	GLUFOSINATE
 Seed Genetics DIRECT LLC 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.

NUMBERING NOMENCLATURE



Seed Genetics
DIRECT LLC

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

EXAMPLE 1

RELEASE YEAR (2022) RELATIVE MATURITY (112 DAY)

DIRECT 2 112 - AA

↑
BRAND

TRAIT PACKAGE
(3010=GTCBLL
3110=GTCBLLBL
AA=AGRISURE® ABOVE
D=DURACADE®
DV=DURACADE VIPTERA™
GT=GT
PWE = POWERCORE®
V = VIPTERA®)



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EXAMPLE 2

RELEASE YEAR (2024) RELATIVE MATURITY (114)

AGI - C 4 114 PWE

↑ ↑
BRAND CORN

TRAIT PACKAGE
(3010=GTCBLL
3110=GTCBLLBL
AA=AGRISURE® ABOVE
D=DURACADE®
DV=DURACADE VIPTERA™
GT=GT
PWE = POWERCORE®
V = VIPTERA®)



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EXAMPLE 3

RELEASE YEAR (2018) RELATIVE MATURITY (111 DAY)

DIRECT 8 111 []

↑
BRAND

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

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



DIRECT 4091 • 4091-3110

RELATIVE MATURITY

91

RECOMMENDED POPULATION

30 - 36,000

HERBICIDE PROTECTION

Conventional: None •
3110: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3110: Corn Borer, Black Cutworm, Broad Lepidopteran, Western Bean Cutworm



Widely-adapted Artesian® hybrid with top-end yield

Well-adapted to both high & low populations

Outstanding emergence & seedling vigor

Adapts to varying soils

Stable workhorse

Strong yield kick

DISEASE RESISTANCE*

NCLB: 1

GLS: 1

Goss' Wilt: 1

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 2.5

CHARACTERISTICS

Plant Height: Medium Tall

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Good

Test Weight: 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: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Not Rated

Kernel Rows: 18

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4091	193.1	21.0	0.4	11.5	57.6	124	2022
P9188	189.2	19.6	3.2	0.8	57.7	124	2022
DIRECT 4091	191.0	21.6	0.0	0.0	58.1	37	2022
P9211AM	192.0	20.7	0.0	0.0	57.0	37	2022
DIRECT 4091	197.9	19.5	0.6	16.0	57.7	89	2022
DKC44-80	197.5	19.2	3.0	15.6	56.7	89	2022

Foundation data



*Highest disease resistance, rating is 1 (on a 1-9 scale).

DIRECT 0095 • 0095-3110

RELATIVE MATURITY

95

RECOMMENDED POPULATION

30 - 36,000

HERBICIDE PROTECTION

Conventional: None •
3110: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3110: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm



235 BPA in LaGrange, IN (2022)

223.6 BPA in SGD Early Test in LaGrange, IN & Tiffin, Wauseon, OH (2021)

Excellent dual-purpose hybrid

Adapts to varying soils with excellent ear flex

Lower ear placement

Outstanding grain quality

DISEASE RESISTANCE*

NCLB: 3

GLS: 3

Goss' Wilt: 2

Common Rust: 3

SCLB: Not Rated

Eyespot: 4

Anthracnose: Not Rated

Tar Spot: 4

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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 0095-V	197.2	17.0	1.5	2.0	60.0	16	2021
P 0157	187.6	17.0	1.7	1.8	58.9	16	2021
DIRECT 0095-V	197.2	17.0	1.5	2.0	60.0	16	2021
DKC 51-38RIB	175.6	16.9	1.8	1.8	59.7	16	2021
DIRECT 0095-V	197.2	17.0	1.5	2.0	60.0	16	2021
DKC 54-36	180.4	16.7	1.5	1.8	58.5	16	2021



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 1099

RELATIVE MATURITY

99

RECOMMENDED POPULATION

30 - 36,000

HERBICIDE PROTECTION

Conventional: None

INSECT PROTECTION Conventional: None



224.3 BPA in Tiffin, OH (2022)

242.3 BPA in SGD Early Test in LaGrange, IN & Tiffin, Wauseon, OH (2021)

Dual-purpose hybrid

Great stress tolerance

Adjusts to lower populations

Attractive & widely-adapted

Sister line to DIRECT 0101-3110

DISEASE RESISTANCE*

NCLB: 3

GLS: 2

Goss' Wilt: 2

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthraco: Not Rated

Tar Spot: 3

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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 1099-DV	203.7	17.5	1.8	2.2	58.8	16	2021
P 0157	187.6	17.0	1.7	1.8	58.9	16	2021
DIRECT 1099-DV	203.7	17.5	1.8	2.2	58.8	16	2021
DKC 51-38RIB	175.6	16.9	1.8	1.8	59.7	16	2021
DIRECT 1099-DV	203.7	17.5	1.8	2.2	58.8	16	2021
DKC 54-36	180.4	16.7	1.5	1.8	58.5	16	2021



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 0101-3110 • 0101-DV

RELATIVE MATURITY

101

RECOMMENDED POPULATION

30 - 36,000

HERBICIDE PROTECTION

3110 & DV: Glufosinate, Glyphosate

INSECT PROTECTION 3110: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm • DV: Black Cutworm, Broad Lepidopteran, Corn Borer, Rootworm, Western Bean Cutworm



241.9 BPA in High Yield Environment Test (2022)

260.5 BPA in Northern Ohio Plot Summary (2020)

#1 best selling early hybrid

Exceptional test weight

Widely-adapted, dual-purpose

Apply fungicide for best performance

DISEASE RESISTANCE*

NCLB: 2

GLS: 4

Goss' Wilt: 2

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthraxnose: Not Rated

Tar Spot: 3

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: Very Good

Kernel Rows: 18-20

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 0101-DV	219.6	20.4	--	--	--	9	2022
SC1053AM	211.9	19.6	--	--	--	9	2022
DIRECT 0101-DV	219.6	20.4	--	--	--	9	2022
DIRECT 1105	208.7	18.1	--	--	--	9	2022
DIRECT 0101-DV	219.6	20.4	--	--	--	9	2022
DIRECT 0106-V	207.5	20.2	--	--	--	9	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).



DIRECT 4102-AA

RELATIVE MATURITY

102

RECOMMENDED POPULATION

32 - 38,000

HERBICIDE PROTECTION

AA: Glufosinate, Glyphosate

INSECT PROTECTION AA: Broad Lepidopteran, Corn Borer



High yields

Companion to DIRECT 0101

Stable performance

Responds to high populations

Excels in East & Central Corn Belt

Exceptional early seedling vigor

Lower ear placement

DISEASE RESISTANCE*

NCLB: 1

GLS: 2.5

Goss' Wilt: 2.5

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 2.5

CHARACTERISTICS

Plant Height: Medium Tall

Ear Height: Medium

Stalk Strength: Very Good

Root Strength: Excellent

Test Weight: Very Good

Seedling Vigor: Excellent

Drought Tolerance: Good

Highly Productive Soils: Excellent

Mod. Productive Soils: Very Good

Less Productive Soils: Good

Drydown: Very Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Excellent

Corn After Corn: Not Rated

Kernel Rows: 16-18

Ear Flex: Determinate

Silage Quantity: Very Good

Silage Quality: Very Good

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4102-AA	213.7	22.3	3.1	--	58.4	49	2022
DIRECT 0101-DV	199.0	23.2	0.4	--	59.8	49	2022
DIRECT 4102-AA	212.8	22.4	3.1	--	58.3	517	2022
DKC52-18RIB	206.8	21.7	0.3	--	59.3	517	2022
DIRECT 4102-AA	212.5	22.5	3.1	--	58.3	49	2022
P0220AM	206.2	21.5	0.6	--	58.8	49	2022

Foundation data



*Highest disease resistance rating is 1 (on a 1-9 scale).

DIRECT 3104

RELATIVE MATURITY
104

RECOMMENDED POPULATION
26 - 34,000

HERBICIDE PROTECTION
Conventional: None

INSECT PROTECTION Conventional: None



Key line for northern Indiana & Ohio

Strong fall intactness

Exceptional grain quality

Adapted to medium to good soils

Avoid extreme drought soils

DISEASE RESISTANCE*

NCLB: 3
GLS: 2.5
Goss' Wilt: 2.
Common Rust: Not Rated

SCLB: Not Rated
Eyespot: Not Rated
Anthracose: Not Rated
Tar Spot: 3

CHARACTERISTICS

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

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

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

Foundation data



*Highest disease resistance rating is 1 (on a 1-9 scale).

CORN VARIETIES

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 1104 • 1104-3010

LIMITED

RELATIVE MATURITY

104

RECOMMENDED POPULATION

28 - 34,000

HERBICIDE PROTECTION

Conventional: None • 3010: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3010: Corn Borer

KEY FEATURES

Best performance in moderate to lower populations

Timely harvest recommended



DISEASE RESISTANCE*

NCLB: 3
GLS: 3
Goss' Wilt: 4
Common Rust: Not Rated

SCLB: 3
Eyespot: Not Rated
Anthracnose: Not Rated
Tar Spot: Not Rated

CHARACTERISTICS

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

Drydown: Very Good
No-Till Rating: Very Good
Staygreen: Good
Fall Appearance: Good
Hi Pop Tolerance: Very Good
Corn After Corn: Average
Kernel Rows: 14-16
Ear Flex: Semi
Silage Quantity: Very Good
Silage Quality: Very Good

*Highest disease resistance rating is 1 (on a 1-9 scale).

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 1105

LIMITED

RELATIVE MATURITY

105

RECOMMENDED POPULATION

30-35,000

HERBICIDE PROTECTION

Conventional: None

INSECT PROTECTION Conventional: None

KEY FEATURES

239.8 BPA in SGD Medium Test (LaGrange, IN & Tiffin & Wauseon, OH)

Consistent high yields

Excellent southern movement

Exceptional girth

Lower risk of green snap

Strong fungicide response



DISEASE RESISTANCE*

NCLB: 3
GLS: 3
Goss' Wilt: 2
Common Rust: 4

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

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

*Highest disease resistance rating is 1 (on a 1-9 scale).



DIRECT 4106 • AGI-C 4106PWE

RELATIVE MATURITY

106

RECOMMENDED POPULATION

26 - 38,000

HERBICIDE PROTECTION

Conventional: None • PWE: 2, 4-D Choline; FOP; Glufosinate; Glyphosate

INSECT PROTECTION Conventional: None • PWE: Black Cutworm, Broad Lepidopteran, Corn Borer



High performance

Excellent agronomics

Attractive late season with intactness

Balanced ear type

Good grain quality

Widely-adapted across soils & populations

DISEASE RESISTANCE*

NCLB: 2.5

GLS: 2.5

Goss' Wilt: 2.5

Common Rust: Not Rated

SCLB: 4

Eyespot: Not Rated

Anthraxnose: Not Rated

Tar Spot: 2.5

CHARACTERISTICS

Plant Height: Medium Tall

Ear Height: Medium

Stalk Strength: Very Good

Root Strength: Excellent

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: Not Rated

Kernel Rows: 16-18

Ear Flex: Semi

Silage Quantity: Not Rated

Silage Quality: Not Rated

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4106	241.2	18.3	0.4	1.0	58.7	49	2021-22
1105VT2PRO	229.1	17.5	0.6	0.5	58.7	49	2021-22
DIRECT 4106	241.2	18.3	0.4	1.0	58.7	49	2021-22
DIRECT 3109	205.0	20.0	0.4	0.7	59.5	49	2021-22
DIRECT 4106	200.5	18.3	0.0	0.1	57.1	59	2022
AGI-C 4106PWE	206.5	18.9	0.0	0.0	57.0	59	2022

Foundation data



*Highest disease resistance rating is 1 (on a 1-9 scale).

DIRECT 2107 • 2107-V

RELATIVE MATURITY

107

RECOMMENDED POPULATION

26 - 38,000

HERBICIDE PROTECTION

Conventional: None • V: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • V: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm



248.8 BPA in High Yield Environment Tests

#3 best seller

Solid agronomics, workhorse genetics

Small cob with deep kernels

For medium to high populations

Showy

DISEASE RESISTANCE*

NCLB: 2.5

GLS: 1

Goss' Wilt: 2

Common Rust: 2

SCLB: 2

Eyespot: Not Rated

Anthraxnose: Not Rated

Tar Spot: 3

CHARACTERISTICS

Plant Height: Medium Tall

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: Excellent

Less Productive Soils: Excellent

Drydown: Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Excellent

Corn After Corn: Very Good

Kernel Rows: 14-16

Ear Flex: Semi

Silage Quantity: Very Good

Silage Quality: Very Good

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 2107-V	209.8	19.3	1.8	1.8	56.3	19	2021
DIRECT 9107-D	209.2	19.5	2.0	2.1	55.5	19	2021
DIRECT 2107-V	232.6	21.6	--	--	--	9	2022
SCS 1043HR	229.1	20.1	--	--	--	9	2022
DIRECT 2107-V	232.6	21.6	--	--	--	9	2022
SC 1053AM	211.9	19.6	--	--	--	9	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 9107 • 9107-3010

RELATIVE MATURITY
107

RECOMMENDED POPULATION
26 - 35,000

HERBICIDE PROTECTION
Conventional: None • 3010: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3010: Corn Borer



#2 best seller

High yields

Stable, workhorse genetics

Widely-adapted to varying soils & management

Flowers early to beat heat stress

Excellent for no-till

Moves south as early hybrid & north as full-season

DISEASE RESISTANCE*

NCLB: 2.5

GLS: 1

Goss' Wilt: 1

Common Rust: 3

SCLB: 3

Eyespot: 3

Anthraxnose: Not Rated

Tar Spot: 5

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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 9107-D	209.2	19.5	2.0	2.1	55.5	16	2021
DIRECT 2107-V	209.8	19.3	1.8	1.8	56.3	16	2021
DIRECT 9107-GT	237.7	20.9	--	--	--	9	2022
SCS 1043HR	229.1	20.1	--	--	--	9	2022
DIRECT 9107-GT	237.7	20.9	--	--	--	9	2022
SC 1053AM	211.9	19.6	--	--	--	9	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

CORN VARIETIES

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 8108GT

LIMITED

RELATIVE MATURITY

108

RECOMMENDED POPULATION

28 - 36,000

HERBICIDE PROTECTION

GT: Glyphosate

INSECT PROTECTION GT: None

KEY FEATURES

Exceptional performance across
Corn Belt

Stable, workhorse genetics

Excellent roots & late season
intactness

Versatile & widely-adapted

Adapts to zones 5-7



DISEASE RESISTANCE*

NCLB: 2

GLS: 4

Goss' Wilt: 4

Common Rust: 5

SCLB: 5

Eyespot: 2

Anthracnose: Not Rated

Tar Spot: 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

*Highest disease resistance rating is 1 (on a 1-9 scale).

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 2109-D

LIMITED

RELATIVE MATURITY

109

RECOMMENDED POPULATION

30 - 36,000

HERBICIDE PROTECTION

D: Glufosinate, Glyphosate

INSECT PROTECTION D: Black Cutworm, Broad Lepidopteran, Corn Borer, Rootworm

KEY FEATURES

223.7 BPA in High Yield
Environment Test

260.4 BPA in SGD Medium Test
in Ashville, Camden, Chillicothe,
Washington Court House, OH
(2021)

Outstanding yield potential

Adapts to bushel-rich environments
& medium to highly productive soil

Strong emergence & agronomics



DISEASE RESISTANCE*

NCLB: 1

GLS: 2

Goss' Wilt: 4

Common Rust: 1

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: 1

Tar Spot: Not Rated

CHARACTERISTICS

Plant Height: Medium

Ear Height: Medium

Stalk Strength: Very Good

Root Strength: Very Good

Test Weight: 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

*Highest disease resistance rating is 1 (on a 1-9 scale).

DIRECT 3109

RELATIVE MATURITY
109

RECOMMENDED POPULATION
26 - 34,000

HERBICIDE PROTECTION
Conventional: None

INSECT PROTECTION Conventional: None



#4 in Hebron, OH State Test
(298.4 BPA)

282.7 BPA in Southwest Ohio State
Test; 275.3 in western plots

Widely-adapted to medium
& good soil

Girthy ears

Avoid extreme drought soils

Excellent grain quality

DISEASE RESISTANCE*

NCLB: 2
GLS: 1.5
Goss' Wilt: 2.5
Common Rust: Not Rated

SCLB: 3
Eyespot: Not Rated
Anthraxnose: 2.5
Tar Spot: 4

CHARACTERISTICS

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

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

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 3109	210.8	20.6	--	--	--	19	2022
LG 62C35VT2RIB	190.4	21.6	--	--	--	19	2022
DIRECT 3109	210.8	20.6	--	--	--	19	2022
AUGUSTA 4759	201.6	19.4	--	--	--	19	2022
DIRECT 3109	210.8	20.6	--	--	--	19	2022
DKC59-82VT-2PRO	198.7	20.6	--	--	--	19	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).



DIRECT 4109-AA

RELATIVE MATURITY

109

RECOMMENDED POPULATION

28 - 34,000

HERBICIDE PROTECTION

AA: Glufosinate, Glyphosate

INSECT PROTECTION AA: Broad Lepidopteran, Corn Borer



High yields

Responds to high populations

Versatile & attractive

Dual-purpose

Best south of I-70 or in Ohio/East

Forest soil hybrid

DISEASE RESISTANCE*

NCLB: 2

GLS: 2

Goss' Wilt: 4

Common Rust: Not Rated

SCLB: 2

Eyespot: Not Rated

Anthraxnose: Not Rated

Tar Spot: 4

CHARACTERISTICS

Plant Height: Medium Tall

Ear Height: Medium High

Stalk Strength: Excellent

Root Strength: Very Good

Test Weight: Very Good

Seedling Vigor: Excellent

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: 14-16

Ear Flex: Flex

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4109-AA	223.1	21.1	--	--	--	9	2022
SCS 1121AM	221.0	21.3	--	--	--	I-70 South	2022
DIRECT 4109-AA	223.1	21.1	--	--	--	9	2022
DIRECT 3111-D	219.7	22.9	--	--	--	I-70 South	2022
DIRECT 4109-AA	223.1	21.1	--	--	--	9	2022
SC 1122AM	225.2	22.8	--	--	--	I-70 South	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

CORN VARIETIES

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 8109



RELATIVE MATURITY

109

RECOMMENDED POPULATION

32 - 36,000

HERBICIDE PROTECTION

Conventional: None

INSECT PROTECTION Conventional: None

KEY FEATURES

Yield leader

Strong stress tolerance & agronomics

Superior roots, stalks, intactness

Adapts to zones 5-7

Determinate ear

30,000+ population for best performance



CONVENTIONAL (NON-GMO)

DISEASE RESISTANCE*

NCLB: 2.5

GLS: 2

Goss' Wilt: 2

Common Rust: Not Rated

SCLB: 5

Eyespot: 5

Anthracnose: Not Rated

Tar Spot: 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

*Highest disease resistance rating is 1 (on a 1-9 scale).

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 0110-3110



RELATIVE MATURITY

110

RECOMMENDED POPULATION

32 - 36,000

HERBICIDE PROTECTION

3110: Glufosinate, Glyphosate

INSECT PROTECTION 3110: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm

KEY FEATURES

275 BPA in Washington Court House, OH State Test

Leader in foliar disease protection

Strong performance from Central Iowa to east

Outstanding stress tolerance

Responds to higher planting populations

DIRECT 8109 sister line



DISEASE RESISTANCE*

NCLB: 2

GLS: 2

Goss' Wilt: 2

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 3

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

*Highest disease resistance rating is 1 (on a 1-9 scale).

DIRECT 1111

RELATIVE MATURITY

111

RECOMMENDED POPULATION

28 - 36,000

HERBICIDE PROTECTION

Conventional: None

INSECT PROTECTION Conventional: None



#1 conventional best-seller

Dominate multi-year performance

Outstanding agronomics

Widely-adapted

Strong late season health & intactness

DISEASE RESISTANCE*

NCLB: 2.5

GLS: 2.5

Goss' Wilt: 4

Common Rust: 4

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 4

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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 1111	208.9	19.6	--	--	--	8	2022
DIRECT 3111-D	209.5	21.7	--	--	--	Full Season Plots	2022
DIRECT 1111	208.9	19.6	--	--	--	8	2022
DKC62-89	183.6	19.3	--	--	--	Full Season Plots	2022
DIRECT 1111	208.9	19.6	--	--	--	8	2022
DKC63-91	185.2	19.8	--	--	--	Full Season Plots	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 2111-AA

RELATIVE MATURITY

111

RECOMMENDED POPULATION

28 - 36,000

HERBICIDE PROTECTION

AA: Glufosinate, Glyphosate

INSECT PROTECTION AA: Broad Lepidopteran, Corn Borer



#1 & #2 in SGD Corn Yield Contest
(268.99 BPA & 260.11 BPA)

#2 & #3 in Ohio State Test (300
BPA in Hebron & 286.1 BPA in south
& west central Ohio)

#1 best seller

Stable yield-leader for Indiana &
Ohio

Good grain quality

Attractive

DISEASE RESISTANCE*

NCLB: 1

GLS: 2

Goss' Wilt: 2

Common Rust: 4

SCLB: 2

Eyespot: Not Rated

Anthraco: Not Rated

Tar Spot: 2

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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 2111-AA	236.3	21.2	--	--	--	12	2022
SCS 1121AM	239.0	21.3	--	--	--	200+ BPA	2022
DIRECT 2111-AA	236.3	21.2	--	--	--	12	2022
SC 1091AM	228.9	20.3	--	--	--	200+ BPA	2022
DIRECT 2111-AA	236.3	21.2	--	--	--	12	2022
LG62C52TRC	228.1	21.3	--	--	--	200+ BPA	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 3111-D • 3111-3110

RELATIVE MATURITY
111

RECOMMENDED POPULATION
30 - 36,000

HERBICIDE PROTECTION
D & 3110: Glufosinate,
Glyphosate

INSECT PROTECTION D: Black Cutworm, Broad Lepidopteran, Corn Borer, Rootworm • 3110: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm



#1 in 2021 SGD Medium Test

#3 in 2022 SGD Medium Test

290.5 BPA in Columbiana,
OH State Test

Dual-purpose yield monster

Excels in Eastern Corn Belt

Sister line to DIRECT 2111-AA

DISEASE RESISTANCE*

NCLB: 2

GLS: 2

Goss' Wilt: 2

Common Rust: 4

SCLB: 3

Eyespot: Not Rated

Anthraxnose: Not Rated

Tar Spot: 3

CHARACTERISTICS

Plant Height: Tall

Ear Height: Medium

Stalk Strength: Excellent

Root Strength: Good

Test Weight: Very Good

Seedling Vigor: Excellent

Drought Tolerance: Very Good

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Very Good

Drydown: Good

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Excellent

Kernel Rows: 16

Ear Flex: Semi

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 3111-D	245.9	22.9	--	--	--	12	2022
SCS 1121AM	239.0	21.3	--	--	--	200+ BPA Plots	2022
DIRECT 3111-D	245.9	22.9	--	--	--	12	2022
SC 1122AM	242.3	22.8	--	--	--	200+ BPA Plots	2022
DIRECT 3111-D	245.9	22.9	--	--	--	12	2022
LG62C52TRC	228.1	21.3	--	--	--	200+ BPA Plots	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).



DIRECT 4111 • AGI-C 4111PWE

RELATIVE MATURITY
111

RECOMMENDED POPULATION
28 - 34,000

HERBICIDE PROTECTION
Conventional: None • PWE: 2, 4-D choline; FOP; Glufosinate; Glyphosate

INSECT PROTECTION Conventional: None • PWE: Black Cutworm, Corn Borer, Broad Lepidopteran,



- Industry-leading germplasm
- Excellent top-end yield potential at medium populations
- Showy all season
- Very girthy
- Potential new lead in lineup

DISEASE RESISTANCE*

NCLB: 3
GLS: 3
Goss' Wilt: 3
Common Rust: 2

SCLB: Not Rated
Eyespot: Not Rated
Anthracnose: 3
Tar Spot: 2

CHARACTERISTICS

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

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

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4111	241.8	20.7	3.4	0.0	56.2	20	2022
DIRECT 3111-D	245.3	21.9	0.0	0.0	55.1	20	2022
DIRECT 4111	255.4	20.7	2.1	0.2	56.3	31	2022
P1197AM	247.5	19.8	0.2	0.4	57.1	31	2022
DIRECT 4111	241.8	20.7	3.4	0.0	56.2	20	2022
DKC63-91RIB	228.9	19.4	1.4	0.0	56.2	20	2022

Foundation data



*Highest disease resistance, rating is 1 (on a 1-9 scale).

CORN VARIETIES

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 8111



RELATIVE MATURITY

111

RECOMMENDED POPULATION

28 - 36,000

HERBICIDE PROTECTION

Conventional: None

INSECT PROTECTION Conventional: None

KEY FEATURES

Top, consistent yields

Superior root, stalk, plant health

Very good grain quality

Long, slender, white cob with deep kernels

Best as full-season & north of I-70

Very responsive to foliar fungicide



DISEASE RESISTANCE*

NCLB: 2

GLS: 4

Goss' Wilt: 4

Common Rust: 4

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 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: Excellent

Drought Tolerance: Excellent

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Excellent

Drydown: Excellent

No-Till Rating: Excellent

Staygreen: Excellent

Fall Appearance: Excellent

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Kernel Rows: 14-16

Ear Flex: Flex

Silage Quantity: Excellent

Silage Quality: Excellent

*Highest disease resistance rating is 1 (on a 1-9 scale).

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 2112-AA



RELATIVE MATURITY

112

RECOMMENDED POPULATION

28 - 36,000

HERBICIDE PROTECTION

AA: Glufosinate, Glyphosate

INSECT PROTECTION AA: Broad Lepidopteran, Corn Borer

KEY FEATURES

Tremendous agronomics with high yield potential

Superior grain quality

Excels at high populations in Eastern and Central Corn Belt

Fuller-season sister to DIRECT 0110 & DIRECT 8109



DISEASE RESISTANCE*

NCLB: 1

GLS: 1

Goss' Wilt: 1

Common Rust: Not Rated

SCLB: 1

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 3

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

*Highest disease resistance rating is 1 (on a 1-9 scale).

CORN VARIETIES

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 7112

LIMITED

RELATIVE MATURITY

112

RECOMMENDED POPULATION

28 - 32,000

HERBICIDE PROTECTION

Conventional: None

INSECT PROTECTION Conventional: None

KEY FEATURES

Consistent performer

Strong stress tolerance

Adapts to varying & marginal soil

Long ear with deep kernels

Best below I-70



DISEASE RESISTANCE*

NCLB: 3

GLS: 1

Goss' Wilt: 1

Common Rust: 5

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 5

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

*Highest disease resistance rating is 1 (on a 1-9 scale).

PALLET SAVER

DISCONTINUED · DISCOUNTED · NO RETURN
100% REPLANT · ANY GRADE ONLY

DIRECT 1114-V

LIMITED

RELATIVE MATURITY

114

RECOMMENDED POPULATION

26 - 36,000

HERBICIDE PROTECTION

V: Glufosinate, Glyphosate

INSECT PROTECTION V: Black Cutworm, Broad Lepidopteran Suppression, Corn Borer, Western Bean Cutworm

KEY FEATURES

Strong agronomics & foliar disease protection

Superior silage

Superior in zone, but moves north

Strong ear flex allows max yields at low populations

Lower ear placement enhances standability



DISEASE RESISTANCE*

NCLB: 1

GLS: 1

Goss' Wilt: 3

Common Rust: Not Rated

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 3

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: Very Good

Fall Appearance: Excellent

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Kernel Rows: 14-16

Ear Flex: Flex

Silage Quantity: Excellent

Silage Quality: Excellent

*Highest disease resistance rating is 1 (on a 1-9 scale).

DIRECT 2113 • 2113-3110

RELATIVE MATURITY

113

RECOMMENDED POPULATION

28 - 34,000

HERBICIDE PROTECTION

Conventional: None • 3110: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3110: Black Cutworm, Broad Lepidopteran, Corn Border, Western Bean Cutworm



#3 of 80 in SGD test plots below I-70

Excellent disease tolerance

Strongest in east

Robust with very good late season intactness

Large ears

Adjusts to lower populations

DISEASE RESISTANCE*

NCLB: 2

GLS: 1

Goss' Wilt: 2

Common Rust: 4

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 2.5

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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 2113-3110	228.6	22.3	--	--	--	9	2022
SC 1122AM	225.2	22.8	--	--	--	South of I-70	2022
DIRECT 2113-3110	228.6	22.3	--	--	--	9	2022
SCS 1121AM	221.0	21.3	--	--	--	South of I-70	2022
DIRECT 2113-3110	228.6	22.3	--	--	--	9	2022
LG 65C52TRC	219.5	22.7	--	--	--	South of I-70	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 3113 • AGI-C 3113PWE

RELATIVE MATURITY
113

RECOMMENDED POPULATION
26 - 34,000

HERBICIDE PROTECTION
Conventional: None • PWE: 2, 4-D
Choline; FOP; Glufosinate; Glyphosate

INSECT PROTECTION Conventional: None • PWE: Black Cutworm, Broad Lepidopteran, Corn Borer



286.9 BPA in south/west central Ohio
State Tests

Key hybrid for Eastern Corn Belt

Exceptional grain quality

Handles moderate populations

Moves east well

Adapts to varying soils

Excellent companion to
DIRECT 3114

DISEASE RESISTANCE*

NCLB: 2

GLS: 3

Goss' Wilt: 2

Common Rust: 3

SCLB: Not Rated

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 2.5

CHARACTERISTICS

Plant Height: Tall

Ear Height: High

Stalk Strength: Very Good

Root Strength: Very Good

Test Weight: Excellent

Seedling Vigor: Very Good

Drought Tolerance: Very Good

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Very Good

Drydown: Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Kernel Rows: 14-18

Ear Flex: Flex

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 3113	224.7	23.5	--	--	--	9	2022
SC 1122AM	225.2	22.8	--	--	--	South of I-70	2022
DIRECT 3113	224.7	23.5	--	--	--	9	2022
SCS 1121AM	221.0	21.3	--	--	--	South of I-70	2022
DIRECT 3113	224.7	23.5	--	--	--	9	2022
DIRECT 2113-3110	228.6	22.3	--	--	--	South of I-70	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 3114 • AGI-C 3114PWE

RELATIVE MATURITY

114

RECOMMENDED POPULATION

26 - 34,000

HERBICIDE PROTECTION

Conventional: None • PWE: 2, 4-D Choline; FOP; Glufosinate; Glyphosate

INSECT PROTECTION Conventional: None • PWE: Black Cutworm, Broad Lepidopteran, Corn Borer



Top yield performance

Versatile across varying soils and populations

Widely-adapted & stable

Medium-low ear line

Excellent companion to DIRECT 3113

DISEASE RESISTANCE*

NCLB: 2

GLS: 3

Goss' Wilt: 2

Common Rust: 3

SCLB: Not Rated

Eyespot: Not Rated

Anthraco-nose: Not Rated

Tar Spot: 2.5

CHARACTERISTICS

Plant Height: Medium Tall

Ear Height: Medium Low

Stalk Strength: Very Good

Root Strength: Very Good

Test Weight: Very Good

Seedling Vigor: Very Good

Drought Tolerance: Very Good

Highly Productive Soils: Excellent

Mod. Productive Soils: Excellent

Less Productive Soils: Very Good

Drydown: Very Good

No-Till Rating: Very Good

Staygreen: Very Good

Fall Appearance: Very Good

Hi Pop Tolerance: Very Good

Corn After Corn: Very Good

Kernel Rows: 16-18

Ear Flex: Flex

Silage Quantity: Excellent

Silage Quality: Excellent

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 3114	207.0	21.8	--	--	--	9	2022
DIRECT 3113	210.0	22.1	--	--	--	South of I-70	2022
DIRECT 3114	229.5	21.8	--	--	--	6	2022
DIRECT 3113	227.7	22.1	--	--	--	>200 BPA Plots	2022
DIRECT 3114	207.0	21.8	--	--	--	9	2022
SCS 1139AM	199.1	20.6	--	--	--	South of I-70	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).



DIRECT 4114 • AGI-C 4114PWE

RELATIVE MATURITY
114

RECOMMENDED POPULATION
28 - 34,000

HERBICIDE PROTECTION
Conventional: None • PWE: 2, 4-D
Choline; FOP; Glufosinate; Glyphosate

INSECT PROTECTION Conventional: None • PWE: Black Cutworm, Broad Lepidopteran, Corn Borer



Racehorse with elite yields

Widely-adapted

Moves south with good husk cover

Long consistent ears

Large kernels

Responds to fungicide

DISEASE RESISTANCE*

NCLB: 4
GLS: 2.5
Goss' Wilt: 3
Common Rust: Not Rated

SCLB: 4
Eyespot: Not Rated
Anthracnose: Not Rated
Tar Spot: 4

CHARACTERISTICS

Plant Height: Medium Tall
Ear Height: Medium High
Stalk Strength: Very Good
Root Strength: 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: 14-16
Ear Flex: Flex
Silage Quantity: Very Good
Silage Quality: Good

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4114	259.1	20.5	0.8	0.3	57.7	42	2022
DIRECT 1111	245.6	18.4	0.5	0.9	58.8	42	2022
DIRECT 4114	259.1	20.5	0.8	0.3	57.7	42	2022
DKC62-89	252.3	19.7	0.9	0.0	58.4	42	2022
DIRECT 4114	259.1	20.5	0.8	0.3	57.7	42	2022
DKC64-65	247.9	20.0	0.8	0.1	58.6	42	2022

Foundation data



*Highest disease resistance, rating is 1 (on a 1-9 scale).

CORN VARIETIES



DIRECT 4115 • AGI-C 4115PWE

RELATIVE MATURITY
115

RECOMMENDED POPULATION
28 - 34,000

HERBICIDE PROTECTION
Conventional: None • PWE: 2, 4-D
Choline; FOP; Glufosinate; Glyphosate

INSECT PROTECTION Conventional: None • PWE: Black Cutworm, Broad Lepidopteran, Corn Borer



- Excellent grain quality & foliar health
- Showy
- Girthy, cylindrical ears
- Performs east to west
- Well-adapted for mid-south

DISEASE RESISTANCE*

NCLB: 3 **SCLB:** 2
GLS: 2 **Eyespot:** Not Rated
Goss' Wilt: 2 **Anthracnose:** Not Rated
Common Rust: 3 **Tar Spot:** 2

CHARACTERISTICS

Plant Height: Medium Tall **Drydown:** Good
Ear Height: Medium High **No-Till Rating:** Excellent
Stalk Strength: Excellent **Staygreen:** Excellent
Root Strength: Very Good **Fall Appearance:** Excellent
Test Weight: Excellent **Hi Pop Tolerance:** Excellent
Seedling Vigor: Excellent **Corn After Corn:** Excellent
Drought Tolerance: Very Good **Kernel Rows:** 16-20
Highly Productive Soils: Excellent **Ear Flex:** Flex
Mod. Productive Soils: Excellent **Silage Quantity:** Excellent
Less Productive Soils: Very Good **Silage Quality:** Excellent

	YIELD	% MOISTURE	% STALK LODGING	% ROOT LODGING	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 4115	238.8	21.3	0.3	0.0	56.8	6	2022
DIRECT 3111-D	233.6	20.8	0.0	0.0	55.0	6	2022
DIRECT 4115	238.8	21.3	0.3	0.0	56.8	6	2022
P1197AM	223.7	19.2	0.0	0.0	57.6	6	2022
DIRECT 4115	246.5	20.1	0.7	0.8	56.8	38	2021-22
DKC65-95	239.1	20.1	0.3	0.0	58.4	38	2021-22

Foundation data



*Highest disease resistance, rating is 1 (on a 1-9 scale).

DIRECT 8115 • 8115-3110

RELATIVE MATURITY

115

RECOMMENDED POPULATION

28 - 34,000

HERBICIDE PROTECTION

Conventional: None •
3110 : Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3110: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm



#3 in SGD Corn Yield Contest
(242.03 BPA)

Top of SGD Late Test for 5 years

Exceptional late-season health

Excellent grain quality

Consistent, stable workhorse

Adapts to zones 7 & 8

DISEASE RESISTANCE*

NCLB: 2

GLS: 2

Goss' Wilt: Not Rated

Common Rust: 2

SCLB: 2

Eyespot: Not Rated

Anthracnose: Not Rated

Tar Spot: 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*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 8115-3111	218.7	24.5	--	--	--	9	2022
SCS 1139AM	199.1	20.6	--	--	--	9	2022
DIRECT 8115-3111	218.7	24.5	--	--	--	9	2022
DKC 63-91	185.2	19.8	--	--	--	9	2022
DIRECT 8115-3111	218.7	24.5	--	--	--	9	2022
LG 62C52TRC	195.2	20.3	--	--	--	9	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

DIRECT 8116 • 8116-3110

RELATIVE MATURITY

116

RECOMMENDED POPULATION

28 - 34,000

HERBICIDE PROTECTION

Conventional: None •
3110: Glufosinate, Glyphosate

INSECT PROTECTION Conventional: None • 3110: Black Cutworm, Broad Lepidopteran, Corn Borer, Western Bean Cutworm



Yield leader in zone

-
- Rugged workhorse
-
- Tremendous silage tonnage & quality
-
- Adapts to varying soils
-
- Adapts to zones 7 & 8
-
- Sister & excellent companion to
DIRECT 8115

DISEASE RESISTANCE*

- | | |
|----------------|------------------------|
| NCLB: 4 | SCLB: 2 |
| GLS: 2 | Eyespot: Not Rated |
| Goss' Wilt: 5 | Anthracnose: Not Rated |
| Common Rust: 5 | Tar Spot: Not Rated |

CHARACTERISTICS

- | | |
|------------------------------------|-----------------------------|
| Plant Height: Tall | Drydown: Good |
| Ear Height: High | No-Till Rating: Excellent |
| Stalk Strength: Excellent | Staygreen: Excellent |
| Root Strength: Very Good | Fall Appearance: Excellent |
| Test Weight: Very Good | Hi Pop Tolerance: Very Good |
| Seedling Vigor: Very Good | Corn After Corn: Excellent |
| Drought Tolerance: Excellent | Kernel Rows: 16-18 |
| Highly Productive Soils: Very Good | Ear Flex: Flex |
| Mod. Productive Soils: Very Good | Silage Quantity: Excellent |
| Less Productive Soils: Very Good | Silage Quality: Excellent |

	YIELD	% MOISTURE	STALK LODGING*	ROOT LODGING*	TEST WEIGHT	TEST LOCATIONS	YEAR
DIRECT 8116-3110	218.1	24.0	--	--	--	9	2022
SCS 1139AM	199.1	20.6	--	--	--	9	2022
DIRECT 8116-3110	218.1	24.0	--	--	--	9	2022
DKC 63-91	185.2	19.8	--	--	--	9	2022
DIRECT 8116-3110	218.1	24.0	--	--	--	9	2022
LG 62C52TRC	195.2	20.3	--	--	--	9	2022



*Highest disease resistance, stalk lodging, root lodging rating is 1 (on a 1-9 scale).

SOYBEANS

2023 YIELD CONTESTS

SGD CONTEST PRIZES



- \$2,500 in SGD seed¹
- \$2,500 in herbicide if HD customer; \$1,250 if not²



- \$1,500 in SGD seed¹
- \$1,500 in herbicide if HD customer; \$750 if not²



- \$1,000 in SGD seed¹
- \$1,000 in herbicide if HD customer; \$500 if not²

ENTRY

Complete the entry form at seedgeneticsdirect.com.

DEADLINE

Nov. 30

FEES

FREE

2022 SGD YIELD WINNERS



83.92 BPA
by Tom Tullis of
West Liberty, Ohio with
AGI 0733AE

To be eligible for Seed Genetics Direct prizes and contest entry fees, entrants must plant Seed Genetics Direct soybeans. Winners receive awards for the highest prize level attained. Awards are non-transferable and cannot be transferred to cash awards. Taxes, if applicable, are the sole responsibility of each prize winner. Full terms and rules at seedgeneticsdirect.com. ¹Prizes notated with a "1" are provided by Seed Genetics Direct (SGD). ² Prizes notated with a "2" are provided by Herbicides Direct (HD). All prizes subject to change.

MULTIPLE HERBICIDE TOLERANCES, EXCELLENT WEED CONTROL



2,4-D choline | Glyphosate | Glufosinate



- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two sites of action work together to deliver control of yield-robbing weeds and help prevent resistance



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with Durango[®] DMA[®] herbicide, Liberty[®] herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

Enlist Duo[®] and Enlist One[®] herbicides with Colex-D[®] technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist E3[®] soybean crops.

On-Target Application

- 90% less drift than traditional 2,4-D
- 96% less volatile than 2,4-D ester

TREATMENTS



ALL TREATED SOYBEANS NOW INCLUDE S4+

to protect against nematodes & disease

PLUS FREE INOCULANT & GROWTH-STIMULATOR

**--ALL APPROVED BY THE EPA--
PLUS FREE 100% REPLANT!***

INGREDIENTS		
• 3 fungicides	• N-Force inoculant	• Germate Plus growth stimulator (chitosan)
DISEASE PROTECTION	NEMATODE PROTECTION	ENHANCEMENTS
<ul style="list-style-type: none"> • Blights • Damp-Off • Fusarium • Fungus • Mosaic Virus • Phomopsis • Pythium • Phytophthora • Rhizoctonia • Stem Wilt 	<ul style="list-style-type: none"> • Soybean Cyst Nematode 	<ul style="list-style-type: none"> • +2.4-5 bpa over check 70% of time • Additional nitrogen to next year's crop • Boosted germination • Enhanced vigor & stand • Health • Increased growth • Nematode protection • More nodules on both tap and lateral roots • Yield

*100% replant provided on treated soybeans ordered by Nov. 10 only. 50% replant provided on orders after Nov. 10. Replant procedures and forms must be completed by July 10, 2024. A Technology Use Agreement must be on file for Enlist E3® soybeans to qualify for a replant.

CeraMax®
Biological Seed Treatment

a biological line of
DEFENSE against
SUDDEN DEATH
SYNDROME

\$10/UNIT
BULK, MINIBAG,
PRO BOX ONLY

INGREDIENTS	
• Fungicide (Natamycin)	
DISEASE PROTECTION	ENHANCEMENTS
<ul style="list-style-type: none"> • Fungal disease • Sudden Death Syndrome • Rhizoctonia 	<ul style="list-style-type: none"> • +4.3 bpa increase over competitors • Better seed safety • Increased early season vigor • Maximize yield potential • No phytotoxic seedling stress • Stand protection • Stronger, consistent emergence

TREATMENTS



**INCREASE YIELDS,
REDUCE DAMAGE**
from nematodes & SDS

\$13/UNIT
**BULK, MINIBAG,
PRO BOX ONLY**

INGREDIENTS		
• Fungicide		
DISEASE PROTECTION	INSECT PROTECTION	ENHANCEMENTS
<ul style="list-style-type: none"> • Root Rot • Sudden Death Syndrome 	<ul style="list-style-type: none"> • Soybean Cyst Nematode 	<ul style="list-style-type: none"> • 4.6 BPA average yield gain • Early season protection • Healthy roots • Strong stands



**INCREASE YIELDS
while PROTECTING**
soybeans

\$10/UNIT
**BULK, MINIBAG,
PRO BOX ONLY**

INGREDIENTS		
• Fungicide	• cis-Jasmone	• Bacillus MBI 600
DISEASE PROTECTION	INSECT PROTECTION	ENHANCEMENTS
<ul style="list-style-type: none"> • Fusarium • Pythium • Phytophthora • Rhizoctonia • SDS suppression • White Mold suppression 	<ul style="list-style-type: none"> • Dual-defense Soybean Cyst Nematode 	<ul style="list-style-type: none"> • Activates plant natural defenses • Faster emergence • Increased leaf area & photosynthetic capacity • Root health • Seedling vigor • Uniform growth • Yields • More robust growth

TRAITS

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

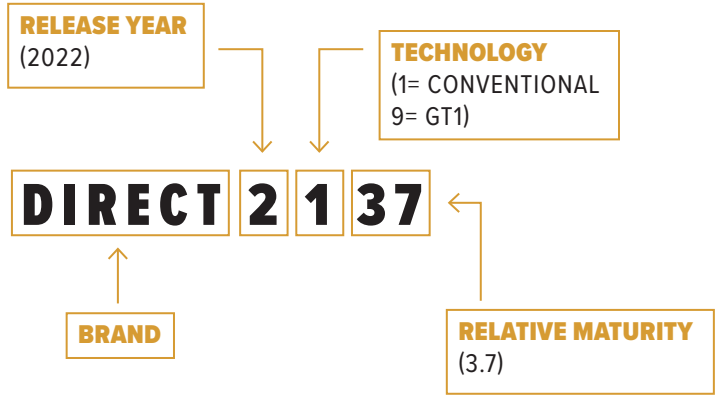
NUMBERING NOMENCLATURE



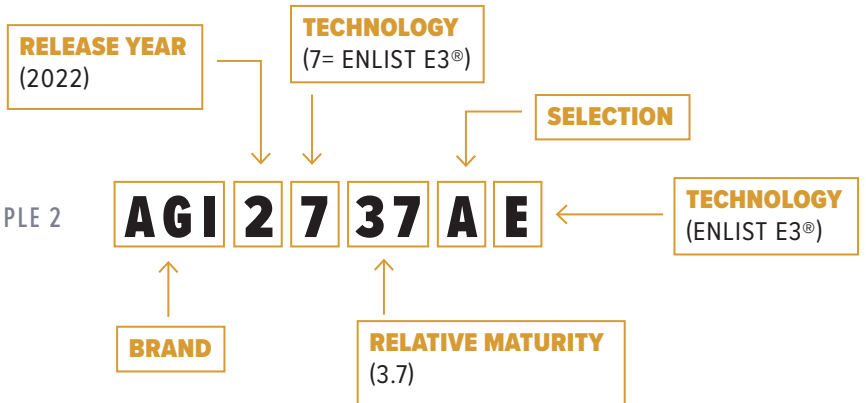
Seed Genetics
DIRECT LLC

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

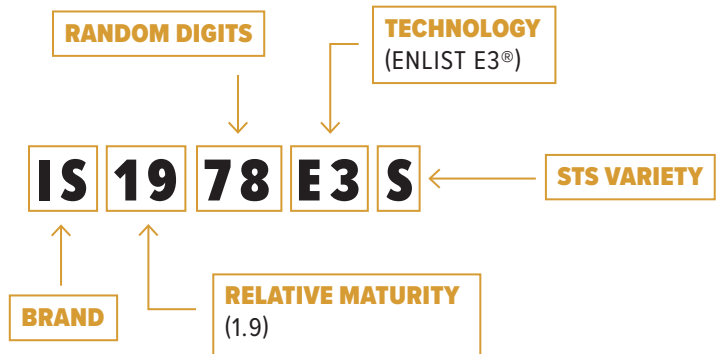
EXAMPLE 1



EXAMPLE 2



EXAMPLE 3





IS1978E3



RELATIVE MATURITY

1.9

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Outstanding performance in SDS locations

Strong stress tolerance

Out-performs & replaces AGI 1719AE

Rps 1K gene

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 5

SCN: Not Rated

SDS: 3

SWM: 2.5

BSR: Not Rated

PRR: 4

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Medium

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS1978E3	55.2	66	22	2022
TEST REGRESSION	52.8	66	22	2021

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).



IS2143E3



RELATIVE MATURITY

2.1

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



105.6% of yield regression
(high yield environments, 2020)

102.3% of yield regression (Michigan
foundation plots, 2020)

PI 88788

Rps 1K gene

DISEASE RESISTANCE*

Stem Canker: Not Rated
Frogeye: Not Rated
SCN: Not Rated
SDS: 4.5

SWM: 3.5
BSR: 3
PRR: 3

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	REPLICATIONS	TEST LOCATIONS	YEAR
IS2143E3	57.7	15	5	2022
AGH1429AXF	53.1	15	5	2022
IS2143E3	53.1	36	12	2021
AGI 1724AE	53.7	36	12	2021
IS2143E3	53.1	36	12	2021
AG 24XF1	53.1	36	12	2021

SGD Early Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale)



IS2421E3S



RELATIVE MATURITY

2.4

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



78.2 BPA in Tiffin, OH (2022)

2.5 BPA better than every check in 2020 Foundation Test

STS tolerant

Outstanding performance

Adapts to varying soils

PI 88788/R3, MR14

Rps 1K gene

DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: Not Rated

SCN: Not Rated

SDS: 4

SWM: 4.5

BSR: 2

PRR: 2.5

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	REPLICATIONS	TEST LOCATIONS	YEAR
IS2421E3S	57.2	18	6	2022
AGI 1429AXF	47.6	18	6	2022
IS2421E3S	57.2	18	6	2022
AGI 1721AE	51.4	18	6	2022
IS2421E3S	57.2	18	6	2022
AGI 1722AE	53.8	18	6	2022



*Highest disease resistance rating is 1 (on 1-9 scale).

SOYBEAN VARIETIES



AGI 3725AE



RELATIVE MATURITY

2.5

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



- Untouchable by competition

- Excels in all environments

- Peking SCN with excellent agronomics

- Performs west to Eastern Corn Belt

DISEASE RESISTANCE*

Stem Canker: Resistant
Frogeye: 1.5
SCN: Peking
SDS: 2

SWM: Not Rated
BSR: 1.5
PRR: 2.5

CHARACTERISTICS

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

Flower: Purple
Pubescence: Light Tawny
Pod Wall: Tan
Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3725AE	73.7	114	38	2022
AGI 0725AE	71.8	114	38	2022
AGI 3725AE	73.7	114	38	2022
AGI 1727AE	71.7	114	38	2022
AGI 3725AE	73.7	114	38	2022
AGI 1724AE	71.1	114	38	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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AGI 3727AE



RELATIVE MATURITY

2.7

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Outperforms competitive checks
across the board

Impressive look in late September

STS tolerant

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: 2.5

SDS: 2.5

SWM: 2

BSR: Not Rated

PRR: 2

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3727AE	73.9	102	34	2022
AGI 1724AE	71.3	102	34	2022
AGI 3727AE	73.9	102	34	2022
AGI 1727AE	72.2	102	34	2022
AGI 3727AE	73.9	102	34	2022
AGI 1729AE	72.3	102	34	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS2877E3



RELATIVE MATURITY

2.8

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Strong performance across varying soil

Best performance in medium-textured and medium-drained soil

Widely- adapted

Great agronomics

PI 88788/R3, MR14

Rps 1K gene

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 3

SCN: Not Rated

SDS: 3

SWM: 5

BSR: 3

PRR: 3

CHARACTERISTICS

Plant Height: Medium

Plant Type: Semi Bush

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: White

Pubescence: Gray

Pod Wall: Tan

Hilum: Buff

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS2877E3	64.5	195	65	2022
NK 29-Z4E3	63.7	195	65	2022
IS2877E3	68.7	81	27	2022
P 28T14E	66.5	81	27	2022
IS2877E3	64.5	195	65	2022
S 28-E3	62.7	195	65	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).



AGI 3729AE



RELATIVE MATURITY

2.8

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



67% win rate against competitive
2.9s

Super yields in all environments

Attractive

Rps 1K gene

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: 2.5

SDS: 2

SWM: Not Rated

BSR: 1.5

PRR: 2.5

CHARACTERISTICS

Plant Height: Medium

Plant Type: Semi Bush

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3729AE	71.1	129	43	2022
AGI 1729AE	69.8	129	43	2022
AGI 3729AE	71.1	129	43	2022
AGI 1727AE	68.7	129	43	2022
AGI 3729AE	71.1	129	43	2022
AGI 1724AE	68.7	129	43	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS2904E3S



RELATIVE MATURITY

2.9

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



#1 in high yield environments

#1 (2022) & #2 (2021) in eastern Foundation plots

High yields

Yield advantage over existing 2.0-2.9 RM lineup

PI 88788

STS tolerant

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 4

SCN: Not Rated

SDS: 4

SWM: 4

BSR: Not Rated

PRR: 1.5

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS2904E3S	58.2	81	27	2022
AGI 1729AE	54.2	81	27	2022
IS2904E3S	58.2	81	27	2022
AGI 1727AE	52.3	81	27	2022
IS2904E3S	58.2	81	27	2022
AGI 9728AE	54.6	81	27	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).



IS3188E3S



RELATIVE MATURITY

3.1

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



+30% BPA over competitive checks in east

Yields with fuller season lines

PI 88788

Rps 1C gene

STS Tolerant

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 4

SCN: Not Rated

SDS: 4

SWM: Not Rated

BSR: Not Rated

PRR: 3

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Intermediate/Upright

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3188E3S	57.1	87	29	2022
AGI 0733AE	53.6	87	29	2022
IS3188E3S	57.1	87	29	2022
AGI 1727AE	52.6	87	29	2022
IS3188E3S	57.1	87	29	2022
MEAN AVE./RM	54.2	87	29	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

SOYBEAN VARIETIES



IS3308E3S



RELATIVE MATURITY

3.3

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Noted for strong eastern performance

Strong defensive package

Excellent late season health

PI 88788

Rps 1K gene

STS Tolerant

DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: 4

SCN: Not Rated

SDS: 2.5

SWM: 4.0

BSR: 3

PRR: 3

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Intermediate/Upright

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3308E3S	58.0	54	18	2022
AGI 1734AE	56.0	54	18	2022
IS3308E3S	58.0	54	18	2022
TEST REGRESSION	56.0	54	18	2022
IS3308E3S	61.7	90	30	2022
IS3371E3	61.6	90	30	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS3371E3

RELATIVE MATURITY

3.3

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



#2 best seller

Top yield and defense

Versatile, stable genetics for varying soils

No gene, but good PRR field tolerance

PI 88788/MR3

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 4

SCN: Not Rated

SDS: 4

SWM: 5

BSR: 3

PRR: 4

CHARACTERISTICS

Plant Height: Medium

Plant Type: Medium

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Brown

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3371E3	61.6	18	6	2022
AGI 1732AE	61.6	18	6	2022
IS3371E3	61.6	18	6	2022
AGI 1737AE	61.1	18	6	2022
IS3371E3	61.6	18	6	2022
AG 31XF2	57.5	18	6	2022

SGD Early-Medium Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale).



IS3307E3S



RELATIVE MATURITY

3.3

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



101.7% of all checks in 2022 data
(Illinois, Indiana, Iowa, Ohio,
Pennsylvania)

65% wins east to west

Attractive line with broad footprint

STS tolerant

PI 88788/MR3

Rps 1C gene

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 2

SCN: Not Rated

SDS: 2

SWM: 7

BSR: 3

PRR: 3

CHARACTERISTICS

Plant Height: Medium

Plant Type: Semi Bush

Emergence: Very Good

Standability: Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Gray

Pod Wall: Tan

Hilum: Imperfect Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3307E3S	62.1	126	42	2022
AG 31XF2	60.0	126	42	2022
IS3307E3S	62.1	186	62	2022
NK 33-R4E3	62.9	186	62	2022
IS3307E3S	62.1	126	42	2022
P 30T99E	59.8	126	42	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).



AGI 3734AE



RELATIVE MATURITY

3.4

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Outstanding yields east to west

Big acre product for all yield environments

Attractive

Great yield and agronomics

Rps 1K gene

PI 88788/RS; MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1

SCN: 2.5

SDS: 2.5

SWM: Not Rated

BSR: Not Rated

PRR: 2

CHARACTERISTICS

Plant Height: Medium

Plant Type: Semi Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3734AE	71.2	150	50	2022
AGI 0733AE	69.9	150	50	2022
AGI 3734AE	71.2	150	50	2022
AGI 1736AE	70.9	150	50	2022
AGI 3734AE	71.2	150	50	2022
P 37T33E	70.7	150	50	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS3537E3



RELATIVE MATURITY

3.5

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



107% BPA over eastern Foundation competitive checks

Replaces industry's #1 selling 3.5 RM

Excellent combination of offense & defense

Stable performance in all yield environments

PI 88788

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 4

SCN: Not Rated

SDS: 3

SWM: 4

BSR: 1

PRR: 2

CHARACTERISTICS

Plant Height: Medium Plus

Plant Type: Semi Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3537E3	55.0	90	30	2022
AGI 1734AE	52.6	90	30	2022
IS3537E3	55.0	90	30	2022
AGI 1736AE	52.6	90	30	2022
IS3537E3	55.0	90	30	2022
MEAN AVE./RM	53.0	90	30	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

AGI 2737AE

LIMITED

RELATIVE MATURITY

3.7

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Attractive

Adapts to varying soils

Rps 1K gene

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 2.5

SCN: 2.5

SDS: 2.5

SWM: Not Rated

BSR: Not Rated

PRR: 3

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Gray

Pod Wall: Tan

Hilum: Imperfect Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 2737AE	62.8	36	12	2022
AGI 1737AE	62.5	36	12	2022
AGI 2737AE	62.8	36	12	2022
AGI 1435AXF	60.8	36	12	2022
AGI 2737AE	62.8	36	12	2022
PLOT MEAN	60.9	36	12	2022

SGD Medium-Late Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS3702E3S



RELATIVE MATURITY

3.7

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



103.7% of all checks in 2022
(Indiana, Illinois, Ohio)

Strong agronomics

STS tolerant

Stacked: Rps 1C & 3A gene

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 2

SCN: Not Rated

SDS: 3

SWM: Not Rated

BSR: 3

PRR: 3

CHARACTERISTICS

Plant Height: Medium Short

Plant Type: Semi Bush

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: White

Pubescence: Gray

Pod Wall: Tan

Hilum: Buff

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3702E3S	61.4	108	36	2022
NK 36-H9E3S	59.4	108	36	2022
IS3702E3S	61.6	105	35	2022
NK 37-V4E3S	59.8	105	35	2022
IS3702E3S	63.3	183	61	2022
S 35-E3	61.7	183	61	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).



AGI 3738AE



RELATIVE MATURITY

3.8

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



#2 in high yield environments

#3 in Indiana HYE (69.1 BPA)

#4 in Ohio HYE (64.5 BPA)

Yield advantage over popular E3
3.8 RMs in all regions

Attractive & solid east to west

No gene, but strong PRR field
tolerance

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: 2.5

SDS: 1.5

SWM: Not Rated

BSR: Not Rated

PRR: 2

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: White

Pubescence: Gray

Pod Wall: Brown

Hilum: Buff

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3738AE	72.3	27	9	2022
AGI 1734AE	70.8	27	Plots Avg. >55 BPA Avg.	2022
AGI 3738AE	72.3	27	9	2022
AGI 1737AE	67.8	27	Plots Avg. >55 BPA Avg.	2022
AGI 3738AE	72.3	27	9	2022
AGI 9739AE	67.5	27	Plots Avg. >55 BPA Avg.	2022

SGD Medium-Late Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS3958E3S



RELATIVE MATURITY

3.9

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



106% of yield index, 105% overall
(IL, IN, KY, OH, MO)

Rps 1C gene

PI 88788/R3, MR14

Late 3 RM for tougher acres

STS tolerant

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 3

SCN: Not Rated

SDS: 3

SWM: 5

BSR: Not Rated

PRR: 3

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Very Good

Standability: Very Good

Seedling Vigor: Excellent

Flower: White

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Brown

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3958E3S	64.5	27	9	2022
SC 7412E	61.7	27	South of I-70	2022
IS3958E3S	64.5	27	9	2022
IS3961E3S	62.6	27	South of I-70	2022
IS3958E3S	64.5	27	9	2022
SC 7372E	61.7	27	South of I-70	2022

SGD Medium-Late Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale).



IS3961E3S



RELATIVE MATURITY

3.9

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



106.8% of all checks in 2022

Strong drought tolerance,
can go anywhere

Fast-tracked parent seed

Rps 1C gene

PI 88788/MR3

STS tolerant

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 2

SCN: Not Rated

SDS: 2

SWM: Not Rated

BSR: 4

PRR: 3

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: White

Pubescence: Gray

Pod Wall: Tan

Hilum: Buff

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3961E3S	66.0	60	20	2022
GH 3762E3S	59.1	60	20	2022
IS3961E3S	66.0	60	20	2022
NK 37-V4ES	62.5	60	20	2022
IS3961E3S	66.0	60	20	2022
NK 39-M8XF	64.3	60	20	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

IS3994E3

RELATIVE MATURITY

3.9

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



#1 best seller overall

106% of yield index for 2 years
(Indiana, Illinois, Kentucky, Ohio)

Excels south of I-70

No gene, but good PRR field
tolerance

PI 88788/MR3

Rps 1A gene

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 3

SCN: Not Rated

SDS: 2.5

SWM: Not Rated

BSR: 3

PRR: 4

CHARACTERISTICS

Plant Height: Medium

Plant Type: Intermediate

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: White

Pubescence: Gray

Pod Wall: Brown

Hilum: Buff

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
IS3994E3	62.6	27	9	2022
SC 7412E	61.7	27	South of I-70	2022
IS3994E3	62.6	27	9	2022
AGI 1737AE	60.3	27	South of I-70	2022
IS3994E3	62.6	27	9	2022
SC 7372E	61.7	27	South of I-70	2022

SGD Medium-Late Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale).



AGI 3740AE



RELATIVE MATURITY

4.0

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Incredible yields across the Corn Belt

Performs in all environments

Solid lodging scores

Rps 1C gene

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: 2.5

SDS: 2

SWM: Not Rated

BSR: Not Rated

PRR: 2

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Semi Bush

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3740AE	72.8	105	35	2022
P 41T07E	68.0	105	35	2022
AGI 3740AE	72.8	105	35	2022
AGI 1738AE	72.7	105	35	2022
AGI 3740AE	72.8	105	35	2022
E3 3.9 INDUSTRY CHECK	70.3	105	35	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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IS4324E3



RELATIVE MATURITY

4.3

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



Performs across all yield environments

Adapts to varying soils

Maintains plant height

PI 88788

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: Not Rated

SDS: 2.5

SWM: Not Rated

BSR: 4

PRR: 4

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	REPLICATIONS	TEST LOCATIONS	YEAR
IS4324E3	60.3	36	12	2022
AGI 1738AE	59.8	36	12	2022
IS4324E3	60.3	36	12	2022
AGI 1736AE	58.9	36	12	2022
IS4324E3	60.3	36	12	2022
AGI 0439AFX	56.8	36	12	2022

SGD Medium-Late Test Replicated Plot data



*Highest disease resistance rating is 1 (on 1-9 scale).



AGI 3746AE



RELATIVE MATURITY

4.6

HERBICIDE PROTECTION

Glufosinate; Glyphosate; 2,4-D Choline



105% of yield index in high yield environments

Good for full season or double crop

Attractive with good branching

Replaces AGI 2746

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 2

SCN: 2.5

SDS: Not Rated

SWM: Not Rated

BSR: Not Rated

PRR: 2.5

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Intermediate

Emergence: Excellent

Standability: Excellent

Seedling Vigor: Excellent

Flower: White

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
AGI 3746AE	55.3	39	13	2022
AGI 2746AE	55.8	39	13	2022
AGI 3746AE	55.3	39	13	2022
TEST REGRESSION	51.0	39	13	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

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AGI 25M04

RELATIVE MATURITY

2.5

HERBICIDE TOLERANCE:

Glyphosate

KEY FEATURES

Older, proven genetics that compete with new

Consistent performance across all soils

Strong emergence

Early seedling vigor

No gene, but good PRR field tolerance

GT1



DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: Not Rated

SCN: 4

SDS: 3

SWM: 3.5

BSR: 5

PRR: 3

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

*Highest disease resistance rating is 1 (on 1-9 scale).

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

AGI 31M04

RELATIVE MATURITY

3.1

HERBICIDE PROTECTION

Glyphosate

KEY FEATURES

Older, proven genetics that compete with new

Strong preference for eastern Indiana & Ohio

Moves south as early line

Rps C gene

GT1



DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: 1

SCN: Not Rated

SDS: 4

SWM: 3

BSR: 2

PRR: 2

CHARACTERISTICS

Plant Height: Tall

Plant Type: Medium Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Tawny

Pod Wall: Not Available

Hilum: Black

*Highest disease resistance rating is 1 (on 1-9 scale).

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DIRECT 9934GT

RELATIVE MATURITY

3.4

HERBICIDE PROTECTION

Glyphosate

KEY FEATURES

Older, proven genetics that compete with new

Strong lateral branching

Stacked with STS

Excellent companion for AGI 31M04

Rps C gene

GT1

DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: 2

SCN: 2.5

SDS: 3

SWM: 2.5

BSR: Not Rated

PRR: 2

CHARACTERISTICS

Plant Height: Medium Tall

Plant Type: Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Gray

Pod Wall: Brown

Hilum: Imperfect Black

**Highest disease resistance rating is 1 (on 1-9 scale).*

DIRECT 9938GT

RELATIVE MATURITY

3.8

HERBICIDE PROTECTION

Glyphosate

KEY FEATURES

Older, proven genetics that compete with new

Solid defensive package

Rps K gene

GT1

DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: 3

SCN: 2.5

SDS: 3

SWM: 3

BSR: Not Rated

PRR: 2.5

CHARACTERISTICS

Plant Height: Medium

Plant Type: Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: White

Pubescence: Light Tawny

Pod Wall: Tan

Hilum: Black

**Highest disease resistance rating is 1 (on 1-9 scale).*

DIRECT 2944GT

LIMITED

RELATIVE MATURITY

4.4

HERBICIDE PROTECTION

Glyphosate

KEY FEATURES

Older, proven genetics that compete with new

Excellent early vigor

Stacked with STS

Tends to be large seeded

PI 88788/R3, MR14

GT1

DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: 2

SCN: 3

SDS: 2.5

SWM: Not Rated

BSR: Not Rated

PRR: 2.5

CHARACTERISTICS

Plant Height: Medium

Plant Type: Medium Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Not Available

Pubescence: Tawny Tan

Pod Wall: Not Available

Hilum: Not Available

*Highest disease resistance rating is 1 (on 1-9 scale).



DIRECT 8129

RELATIVE MATURITY

2.9

HERBICIDE PROTECTION

None



Yields with fuller maturity
conventional lines

Exhibits STS trait

No gene but strong PRR field
tolerance

PI 88788/R3, MR14

DISEASE RESISTANCE

Stem Canker: Not Rated

Frogeye: Not Rated

SCN: 1.5

SDS: 2

SWM: Not Rated

BSR: 2

PRR: 2

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	REPLICATIONS	TEST LOCATIONS	YEAR
DIRECT 8129	51.2	6	2	2022
AGI 1729AE	50.6	6	2	2022
DIRECT 8129	51.2	6	2	2022
DIRECT 8133	37.7	6	2	2022
DIRECT 8129	51.2	6	2	2022
AGI 1732AE	51.8	6	2	2022



*Highest disease resistance rating is 1 (on 1-9 scale).

DIRECT 8133

RELATIVE MATURITY

3.3

HERBICIDE PROTECTION

None



Strong line south of I-70

Moves south well

Nice branching ability

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

Rps C gene

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Not Rated

Frogeye: Not Rated

SCN: 2

SDS: 2.5

SWM: 3.5

BSR: 3

PRR: 2.5

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	REPLICATIONS	TEST LOCATIONS	YEAR
DIRECT 8133	58.8	6	2	--
TEST AVE.	58.7	6	2	--
DIRECT 8133	58.8	6	2	--
SG 3328LL	53.9	6	2	--
DIRECT 8133	58.8	6	2	--
ASG 33X8	50.0	6	2	--



*Highest disease resistance rating is 1 (on 1-9 scale).

DIRECT 2137

RELATIVE MATURITY

3.7

HERBICIDE PROTECTION

None



#1 best-selling conventional

Yields east to west

STS tolerant

Attractive

Rps 1K gene

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: 1.5

SDS: 2.5

SWM: Not Rated

BSR: Not Rated

PRR: 2.5

CHARACTERISTICS

Plant Height: Medium

Plant Type: Intermediate

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Very Good

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
DIRECT 2137	56.0	6	2	2022
DIRECT 8137	55.8	6	2	2022
DIRECT 2137	56.0	6	2	2022
DIRECT 8332LL	55.3	6	2	2022
DIRECT 2137	56.0	6	2	2022
DIRECT 9938GT	54.3	6	2	2022

Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

DIRECT 2141

RELATIVE MATURITY

4.1

HERBICIDE PROTECTION

None



Yields I-70 & south

Attractive

STS tolerant

PI 88788/R3, MR14

DISEASE RESISTANCE*

Stem Canker: Resistant

Frogeye: 1.5

SCN: 1.5

SDS: 2

SWM: Not Rated

BSR: Not Rated

PRR: Not Rated

CHARACTERISTICS

Plant Height: Medium

Plant Type: Medium Bush

Emergence: Excellent

Standability: Very Good

Seedling Vigor: Excellent

Flower: Purple

Pubescence: Light Tawny

Pod Wall: Brown

Hilum: Black

	YIELD	REPLICATIONS	TEST LOCATIONS	YEAR
DIRECT 2141	74.3	6	2	2022
P 41T07E	70.2	6	2	2022
DIRECT 2141	71.0	6	2	2021
P 35A41	69.2	6	2	2021
DIRECT 2141	75.6	6	2	2021
AG 36X6	70.4	6	2	2022

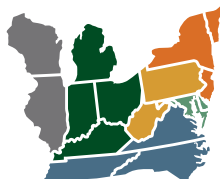
Foundation data



*Highest disease resistance rating is 1 (on 1-9 scale).

WHEAT

2023 YIELD CONTESTS



NATIONAL CONTEST PRIZES

NWF STATE CONTEST PRIZES

SGD CONTEST PRIZES



- \$5,000 in SGD seed¹
- \$5,000 in herbicide if HD customer, \$2,500 if not³
- Trip to Commodity Classic.²
- NWF plaque²



- \$2,500 in SGD seed¹
- \$2,500 in herbicide if HD customer, \$1,250 if not³
- State prizes³



- \$2,500 in SGD seed¹
- \$2,500 in herbicide if HD customer, \$1,250 if not³



- \$3,000 in SGD seed¹
- \$3,000 in herbicide if HD customer, \$1,500 if not³
- Trip to the Commodity Classic²
- NWF plaque²



- \$1,500 in SGD seed¹
- \$1,500 in herbicide if HD customer, \$750 if not³
- State prizes³



- \$1,500 in SGD seed¹
- \$1,500 in herbicide if HD customer, \$750 if not³



- \$2,000 in SGD seed¹
- \$2,000 in herbicide if HD customer, \$1,000 if not³
- Trip to Commodity Classic²
- NWF plaque²



- \$1,000 in SGD seed¹
- \$1,000 in herbicide if HD customer, \$500 if not³
- State prizes³



- \$1,000 in SGD seed¹
- \$1,000 in herbicide if HD customer, \$500 if not³

ENTRY

Complete the entry form at seedgeneticsdirect.com/contests.

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DEADLINE

May 15

May 15

July 10

FEES

FREE—Paid by SGD

FREE—Paid by SGD

FREE

2022 SGD YIELD WINNERS



144.11 BPA
by Cunningham and
Foor LLC of Washington
Court House, Ohio with
AGI 217B



93.78 BPA
by Jacob Cates of
Williamsburg, In. with
AGI 114



90.5 BPA
by Gary Fritz of
Modoc, In. with
AGI 114

Winners receive awards for highest prize level attained. Awards are non-transferable and cannot be transferred to cash awards. Full terms and rules at seedgeneticsdirect.com. All prizes subject to change.

TREATMENTS



SGD'S
PREMIUM TREATMENT
comes on all
TREATED WHEAT ORDERS!

INGREDIENTS

• 4 Fungicides

• Insecticide

DISEASE PROTECTION

- 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

INSECT PROTECTION

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



AGI 218

RELATIVE MATURITY Medium Early



Excellent straw variety

Works on varying soils

Tolerant to wet feet

Big, full look

3-4 inches taller than AGI 114

DISEASE RESISTANCE*

Fusarium Head Scab Marker: Yes
 Fusarium Head Scab Rating: 1.5
 Leaf Rust: 3
 Strip Rust: 2
 Stem Rust: 2

Septoria Leaf Blotch: 3
 Septoria Glume Blotch: 2
 Barley Yellow Dwarf: 2
 Powdery Mildew: 3
 Soil Borne Mosaic: 5

CHARACTERISTICS*

Head: Smooth
 Height: Medium-Tall
 Lodging: 2

Test Weight: 2
 Winter Hardiness: 2
 Hessian Fly: Susc

**Highest disease resistance rating and characteristics rating is 1 (on a scale of 1-9).*

AGI 220B

RELATIVE MATURITY Medium Early



Test Weight Winner (60.3 pounds in 2021 Ohio Wheat Performance Test)

Complete package

Aggressive tillering with erect flag leaf

Adapts to varying soils and management practices

Best performance in Northwest Ohio and Northeast Indiana

DISEASE RESISTANCE*

Fusarium Head Scab Marker: Yes
 Fusarium Head Scab Rating: 2.5
 Leaf Rust: 4
 Strip Rust: 2
 Stem Rust: 4

Septoria Leaf Blotch: 2
 Septoria Glume Blotch: 2
 Barley Yellow Dwarf: 2
 Powdery Mildew: 3
 Soil Borne Mosaic: 3

CHARACTERISTICS*

Head: Bearded
 Height: Medium
 Lodging: 2

Test Weight: 1
 Winter Hardiness: 3
 Hessian Fly: Susc

**Highest disease resistance rating and characteristics rating is 1 (on a scale of 1-9).*

AGI 114

RELATIVE MATURITY Medium



#2 & #3 in SGD Wheat Yield Contest (93.8 BPA & 90.5 BPA)

#5 in Ohio Wheat Performance Test (59.1 lb. test weight)

#2 best seller

Works across a variety of soils

Heavy test weight

Very uniform and attractive

**Highest disease resistance rating and characteristics rating is 1 (on a scale of 1-9).*

DISEASE RESISTANCE*

Fusarium Head Scab Marker: Yes
Fusarium Head Scab Rating: 2
Leaf Rust: 4
Strip Rust: 1
Stem Rust: 3

Septoria Leaf Blotch: 3
Septoria Glume Blotch: 2
Barley Yellow Dwarf: 3
Powdery Mildew: 3
Soil Borne Mosaic: 3

CHARACTERISTICS*

Head: Smooth
Height: Medium
Lodging: 2

Test Weight: 2
Winter Hardiness: 2
Hessian Fly: R (Bio L)

AGI 217B

RELATIVE MATURITY Medium



#1 in SGD Wheat Yield Contest (144.1 BPA)

#1 & #2 in Ohio Wheat Performance Trials (2021 and 2022)

#1 best seller

Yield monster

Responds to fungicide

**Highest disease resistance rating and characteristics rating is 1 (on a scale of 1-9).*

DISEASE RESISTANCE*

Fusarium Head Scab Marker: Yes
Fusarium Head Scab Rating: 3
Leaf Rust: 5
Strip Rust: 6
Stem Rust: Not Rated

Septoria Leaf Blotch: 3
Septoria Glume Blotch: 3
Barley Yellow Dwarf: 4
Powdery Mildew: 4
Soil Borne Mosaic: 2

CHARACTERISTICS*

Head: Bearded
Height: Medium
Lodging: 2

Test Weight: 2
Winter Hardiness: 2
Hessian Fly: R (Bio L)

AGI 301

RELATIVE MATURITY Medium



Out-yielded AGI 114 in 2021

Attractive

Big, smooth head that regularly averages 1-2 more rows

Very good standability

Strong awnless companion for AGI 114

DISEASE RESISTANCE*

Fusarium Head Scab Marker: Yes
 Fusarium Head Scab Rating: 3
 Leaf Rust: 3.5
 Strip Rust: 4
 Stem Rust: Not Rated

Septoria Leaf Blotch: 3
 Septoria Glume Blotch: 3
 Barley Yellow Dwarf: 3.5
 Powdery Mildew: 2
 Soil Borne Mosaic: 4

CHARACTERISTICS*

Head: Smooth
 Height: Medium
 Lodging: 2.5

Test Weight: 4
 Winter Hardiness: 2
 Hessian Fly: Not Rated

**Highest disease resistance rating and characteristics rating is 1 (on a scale of 1-9).*

AGI 223B

RELATIVE MATURITY Medium Full



#3 best seller

Stable, workhorse genetics

Superior disease package

Extremely versatile regardless of soil or management practices

DISEASE RESISTANCE*

Fusarium Head Scab Marker: Yes
 Fusarium Head Scab Rating: 2
 Leaf Rust: 2
 Strip Rust: 2
 Stem Rust: 2

Septoria Leaf Blotch: 3
 Septoria Glume Blotch: 3
 Barley Yellow Dwarf: 2
 Powdery Mildew: 3
 Soil Borne Mosaic: 2

CHARACTERISTICS*

Head: Bearded
 Height: Medium
 Lodging: 2

Test Weight: 3
 Winter Hardiness: 2
 Hessian Fly: Not Rated

**Highest disease resistance rating and characteristics rating is 1 (on a scale of 1-9).*



RUGGED RANCHER

Not in stock. Advance order required.



Well-rounded pest and disease germplasm

Strong persistence

Blend of proprietary varieties

2-3 year stands

DISEASE RESISTANCE*

OVERALL SCORE: 28/35

Anthracnose: Resistant

Aphanomyces-Race 1: Resistant

Aphanomyces-Race 2: Resistant

Bacterial Wilt: Resistant

Fusarium Wilt: Resistant

Phytophthora Root Rot: Resistant

Verticillium Wilt: Resistant

NEMATODE RESISTANCE*

Northern Root Knot: Not Rated

Stem Nematode: Not Rated

INSECT RESISTANCE*

Blue Alfalfa Aphid: Not Rated

Cowpea Aphid: Not Rated

Pea Aphid: Moderate

Spotted Alfalfa Aphid: Moderate

CHARACTERISTICS

Fall Dormancy: 3

Winter Hardiness: Very

Yield Potential:** 4

Cuttings Per Season: 3-4

*Resistance ratings are: High = >51% resistant. Resistant = 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).



AMERISTAND 428TQ

Not in stock. Advance order required.



Outstanding yield potential

Excellent cold tolerance

High-quality feed value

Fast recovery

Well-adapted for Midwest and Northeast

DISEASE RESISTANCE*

OVERALL SCORE: 40/40

Anthracnose: High

Aphanomyces-Race 1: High

Aphanomyces-Race 2: High

Bacterial Wilt: High

Fusarium Wilt: High

Phytophthora Root Rot: High

Verticillium Wilt: High

NEMATODE RESISTANCE*

Northern Root Knot: Not Rated

Stem Nematode: High

INSECT RESISTANCE*

Blue Alfalfa Aphid: Not Rated

Cowpea Aphid: Not Rated

Pea Aphid: Resistant

Spotted Alfalfa Aphid: Resistant

CHARACTERISTICS

Fall Dormancy: 4.4

Winter Hardiness: Very

Yield Potential:** 1

Cuttings Per Season: 4-5



*Resistance ratings are: High = >51% resistant. Resistant = 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).

FREEDOMSTAR RR

Not in stock. Advance order required.



Economical blend for dependable forage yield-potential and good quality

Optimum yield potential

Moderate to fast recovery after cutting

Traffic tolerant

DISEASE RESISTANCE*

OVERALL SCORE: 28/30
Anthracnose: Resistant
Aphanomyces-Race 1: Resistant
Aphanomyces-Race 2: Not Rated
Bacterial Wilt: High
Fusarium Wilt: High
Phytophthora Root Rot: High
Verticillium Wilt: High

NEMATODE RESISTANCE*

Northern Root Knot: Not Rated
Stem Nematode: Not Rated

INSECT RESISTANCE*

Blue Alfalfa Aphid: Not Rated
Cowpea Aphid: Not Rated
Pea Aphid: Not Rated
Spotted Alfalfa Aphid: Not Rated

CHARACTERISTICS

Fall Dormancy: 4
Winter Hardiness: Very
Yield Potential:** 2
Cuttings Per Season: 4-5



*Resistance ratings are: High = >51% resistant. Resistant= 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).

SW™ 425



Premium blend of proprietary alfalfa varieties

Well-rounded package of pest and disease resistant germplasm

2-3 year stands

DISEASE RESISTANCE*

OVERALL SCORE: 34/35
Anthracnose: High
Aphanomyces-Race 1: High
Aphanomyces-Race 2: Resistant
Bacterial Wilt: High
Fusarium Wilt: High
Phytophthora Root Rot: High
Verticillium Wilt: High

NEMATODE RESISTANCE*

Northern Root Knot: Not Rated
Stem Nematode: Not Rated

INSECT RESISTANCE*

Blue Alfalfa Aphid: Not Rated
Cowpea Aphid: Not Rated
Pea Aphid: Resistant
Spotted Alfalfa Aphid: Resistant

CHARACTERISTICS

Fall Dormancy: 4
Winter Hardiness: Hardy
Yield Potential:** 2
Cuttings Per Season: 4-5

*Resistance ratings are: High = >51% resistant. Resistant= 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).



SW4107



Broadly adapted

Wide germplasm base

High-yield in university trials across northern U.S.

Well-suited to fields with variable drainage that need strong soot rot resistance

Very good forage quality potential

DISEASE RESISTANCE*

OVERALL SCORE: 35/35

Anthracnose: High

Aphanomyces-Race 1: High

Aphanomyces-Race 2: High

Bacterial Wilt: High

Fusarium Wilt: High

Phytophthora Root Rot: High

Verticillium Wilt: High

NEMATODE RESISTANCE*

Northern Root Knot: Not Rated

Stem Nematode: Resistant

INSECT RESISTANCE*

Blue Alfalfa Aphid: Not Rated

Cowpea Aphid: Not Rated

Pea Aphid: Resistant

Spotted Alfalfa Aphid: Resistant

CHARACTERISTICS

Fall Dormancy: 4

Winter Hardiness: Very

Yield Potential**: 1

Cuttings Per Season: 4-5

*Resistance ratings are: High = >51% resistant. Resistant= 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).

AMERISTAND 457TQ RR

Not in stock. Advance order required.



Excellent forage quality for optimal animal performance

Traffic tolerant

Very fast recovery for frequent harvest schedules under intensive management

DISEASE RESISTANCE*

OVERALL SCORE: 35/35

Anthracnose: High

Aphanomyces-Race 1: High

Aphanomyces-Race 2: High

Bacterial Wilt: High

Fusarium Wilt: High

Phytophthora Root Rot: High

Verticillium Wilt: High

NEMATODE RESISTANCE*

Northern Root Knot: Not Rated

Stem Nematode: Resistant

INSECT RESISTANCE*

Blue Alfalfa Aphid: Not Rated

Cowpea Aphid: Not Rated

Pea Aphid: High

Spotted Alfalfa Aphid: Resistant

CHARACTERISTICS

Fall Dormancy: 4.2

Winter Hardiness: Very

Yield Potential**: 2

Cuttings Per Season: 4-5



*Resistance ratings are: High = >51% resistant. Resistant= 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).



SW 5213

Not in stock. Advance order required.



- Consistent high-yields in university trials

- Suitable for variable drainage due to high resistance of root rots

- Broadly-adapted variety

- Potential for later fall growth

DISEASE RESISTANCE*

- OVERALL SCORE:** 35/35
- Anthracnose: High
- Aphanomyces-Race 1: High
- Aphanomyces-Race 2: High
- Bacterial Wilt: High
- Fusarium Wilt: High
- Phytophthora Root Rot: High
- Verticillium Wilt: High

NEMATODE RESISTANCE*

- Northern Root Knot: Not Rated
- Stem Nematode: High

INSECT RESISTANCE*

- Blue Alfalfa Aphid: Not Rated
- Cowpea Aphid: Not Rated
- Pea Aphid: High
- Spotted Alfalfa Aphid: Resistant

CHARACTERISTICS

- Fall Dormancy: 5
- Winter Hardiness: Very
- Yield Potential**: 1
- Cuttings Per Season: 4-5

*Resistance ratings are: High = >51% resistant. Resistant= 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).

SW 525LH™



- #1 best seller

- #1 in the Penn State LH trials (2021 & 2022)

- High yield variety

- 95% Leafhopper resistant

- Yield rivals elite varieties

- Highly-suited to heavy soils where root rot is a concern

DISEASE RESISTANCE*

- OVERALL SCORE:** 35/35
- Anthracnose: High
- Aphanomyces-Race 1: High
- Aphanomyces-Race 2: High
- Bacterial Wilt: High
- Fusarium Wilt: High
- Phytophthora Root Rot: High
- Verticillium Wilt: High

NEMATODE RESISTANCE*

- Northern Root Knot: Not Rated
- Stem Nematode: Resistant

INSECT RESISTANCE*

- Blue Alfalfa Aphid: Not Rated
- Cowpea Aphid: Not Rated
- Pea Aphid: High
- Spotted Alfalfa Aphid: Resistant

CHARACTERISTICS

- Fall Dormancy: 5
- Winter Hardiness: Very
- Yield Potential**: 2
- Cuttings Per Season: 4-5

*Resistance ratings are: High = >51% resistant. Resistant= 31-50% resistant. Moderate = 15-30% resistant. Low = 6-14% resistant.

**Highest yield potential rating is 1 (on a scale of 1-9).

SORGHUM

SP 7106 BMR

RELATIVE MATURITY

Medium Early

TRAIT

Brown Midrib

TYPE

Sudangrass PPS

SEEDS PER POUND

25,000



KEY FEATURES

Headless

Very high leaf to stem ratio

Quick regrowth for multiple cuts

Suitable for grazing, haylage, dry hay

Manage Prussic Acid hazard

TOLERANCES

Drought: 3

Anthracoese: Not Rated

CHARACTERISTICS

Height: 7-9'

Yield: 2

Photoperiod Sensitive: Yes

Leafiness: 1

Early Growth Rate: 2

Standability: 3

Stalk Sweetness: Not Rated

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SORDAN 79

RELATIVE MATURITY

Medium Early

TRAIT

Conventional

TYPE

Sorghum x Sudangrass

SEEDS PER POUND

14,500



KEY FEATURES

Dependable summer forage

Good for late summer planting

Best for hay, haylage, greenchop

Can be grazed

Use in rotation to reduce nematodes

Manage Prussic Acid hazard

TOLERANCES

Drought: 3

Anthracoese: Tolerant

CHARACTERISTICS

Height: 6-7'

Yield: 3

Photoperiod Sensitive: No

Leafiness: 3

Early Growth Rate: 2

Standability: 4

Stalk Sweetness: Not Rated

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 4555 BMR

RELATIVE MATURITY

Medium Early

TRAIT

Brown Midrib

TYPE

Sorghum x Sudangrass

SEEDS PER POUND

15,500


**KEY
FEATURES**

Dependable summer forage

Good for late summer planting

Best for hay, haylage, greenchop

Can be grazed

Good forage quality

Manage Prussic Acid hazard
TOLERANCES

Drought: 3

Anthracnose: Not Rated

CHARACTERISTICS

Height: 6-10'

Yield: 4

Photoperiod Sensitive: No

Leafiness: 3

Early Growth Rate: 2

Standability: 4

Stalk Sweetness: Not Rated

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 4105 BMR

RELATIVE MATURITY

Medium Early

TRAIT

Brown Midrib

TYPE

Sorghum x Sudangrass

SEEDS PER POUND

16,500


**KEY
FEATURES**

Headless

Extended harvest window

Best for hay, haylage, greenchop

Good forage quality

Suitable for older harvest equipment

Manage Prussic Acid hazard
TOLERANCES

Drought: 3

Anthracnose: Not Rated

CHARACTERISTICS

Height: 8-10'

Yield: 2

Photoperiod Sensitive: Yes

Leafiness: 2

Early Growth Rate: 2

Standability: 4

Stalk Sweetness: Not Rated

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 1727 MS BMR

RELATIVE MATURITY
Medium Full

TRAIT
Brown Midrib

TYPE
Silage

SEEDS PER POUND
17,500



Superior digestability

Excellent grazing potential

90-120 days to harvest

Excellent for dairies

Manage Prussic Acid hazard

TOLERANCES

Drought: 2

Anthracnose: Susceptible

CHARACTERISTICS

Height: 8-10'

Yield: 3

Photoperiod Sensitive: No

Early Growth Rate: 2

Leafiness: 3

Standability: 3

Stalk Sweetness: 2

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

NK300

RELATIVE MATURITY
Medium Early

TRAIT
Conventional

TYPE
Silage

SEEDS PER POUND
13,000



Best for high-quality silage

Consistent tonnage, reduced-lignin

100-110 days to harvest

15-20% grain in forage

62-year-old that won't disappoint

Manage Prussic Acid hazard

TOLERANCES

Drought: 3

Anthracnose: Susceptible

CHARACTERISTICS

Height: 6-7'

Yield: 3

Photoperiod Sensitive: No

Early Growth Rate: 2

Leafiness: 3

Standability: 2

Stalk Sweetness: 5

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 43M80

RELATIVE MATURITY

Medium Early

TRAIT

Conventional

TYPE

Grain

SEEDS PER POUND

13,500



Excellent panicle exertion

Great uniformity

Stiff stalk

Staygreen traits

Well-adapted for dryland

TOLERANCES

Drought: 2

Head Smut: 3

Sugarcane Aphid: High

CHARACTERISTICS

Height: Medium

Yield: 3

50% Bloom: 58-62 Days

Head TYPE: Semi-Open

Head Exertion: 4-6"

Grain Color: Bronze

Emergence: 3

Standability: 2

Threshability: 3

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 7715

RELATIVE MATURITY

Medium Full

TRAIT

Conventional

TYPE

Grain

SEEDS PER POUND

14,000



Very high yield potential

Excellent Anthracnose tolerance

Good general leaf disease resistance

Resistant to greenbug C & E biotypes

Tolerant all downy mildews

TOLERANCES

Drought: 4

Head Smut: 3

Sugarcane Aphid: High

CHARACTERISTICS

Height: Medium Tall

Yield: 2

50% Bloom: 71-75 Days

Head Exertion: 5-7"

Head TYPE: Semi-Compact

Grain Color: Bronze

Emergence: 3

Standability: 2

Threshability: 2

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 45A45 DT

RELATIVE MATURITY
Medium Early

TRAIT
Double Team
(Tolerance to FirstAct)

TYPE
Grain

SEEDS PER POUND
12,000



High yield

Over-the-top grass weed control

Ideal for dryland with higher rainfall or irrigated acres

Double crop potential in areas with longer growing seasons

TOLERANCES

Drought: 4
Head Smut: Not Rated

Sugarcane Aphid: Susceptible

CHARACTERISTICS

Height: Medium
Yield: 1
50% Bloom: 57-61 Days
Head TYPE: Semi-Open
Head Exertion: 2-5"

Grain Color: Bronze
Emergence: 1
Standability: 2
Threshability: 3

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

SP 58M85 DT

RELATIVE MATURITY
Medium

TRAIT
Double Team
(Tolerance to FirstAct)

TYPE
Grain

SEEDS PER POUND
14,000



High yield

Over-the-top grass weed control

TOLERANCES

Drought: 2
Head Smut: Not Rated

Sugarcane Aphid: Moderate

CHARACTERISTICS

Height: Medium
Yield: 2
50% Bloom: 62-66 Days
Head TYPE: Semi-Compact
Head Exertion: 5-7"

Grain Color: Bronze
Emergence: 1
Standability: 2
Threshability: 3

Highest tolerance and characteristics rating is 1 (on a scale of 1-9). See seed rates on page 86.

RESOURCES

BY THE NUMBERS

400+

EMPLOYEE YEARS OF
EXPERIENCE IN AGRICULTURE



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



23

RESEARCH
LOCATIONS



83

CORN
TESTS



66

SOYBEAN
TESTS



30,000+

YIELD
PLOTS

100%
on treated
corn

**REPLANT
GUARANTEE**

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

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



48 CORN
HYBRIDS

32 SOYBEAN
OFFERINGS

6 WHEAT
OFFERINGS

8 ALFALFA
OFFERINGS

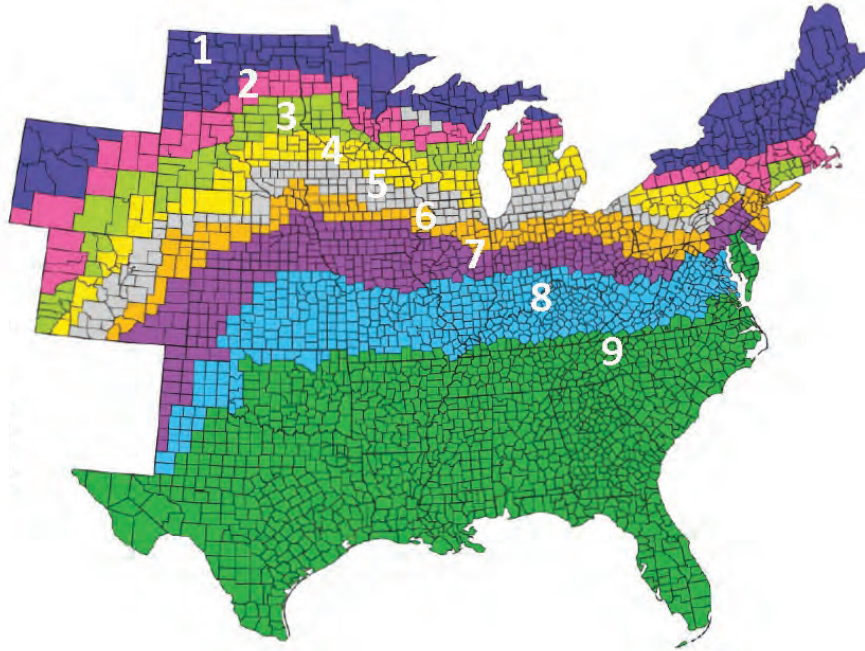
10 SORGHUM
VARIETIES

TREATMENTS &
HERBICIDES

CORN ADAPTION ZONES—RELATIVE MATURITY

MATURITY ZONES

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



CORN PLANTER PLATE GUIDE FOR FLAT KERNELS*

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

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

CORN PLANTER PLATE GUIDE FOR ROUND KERNELS*

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

CORN PLANTER PLATELESS*

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

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

CORN POPULATION CHECK

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

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

CORN REPLANT FACTORS

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

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

CORN STAND EVALUATION/YIELD POTENTIAL

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

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

CORN YIELD ESTIMATE FORMULA

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

FORAGE FIELD SEED RATES

CROP	CROP SEEDING RATE (LBS/ACRE)	DEPTH TO SOW (INCHES)	PLANTING DATE
ALFALFA	12 to 20	1/2"	3/1-5/1, 8/1-9/15
BIRDSFOOT TREFOIL	8 to 12	1/2"	3/1-5/1
BLUEGRASS, KY. (PASTURE)	20 to 30	1/2"	Early Spring or 8/1-9/30
BROMEGRASS, SMOOTH	10 to 12	1/2"	3/1-4/1 or 8/1-9/15
BUCKWHEAT	40 to 50	1/2" to 1"	6/1-7/15
CLOVER, ALSIKE	6 to 8	1/2"	3/1-4/1 or 8/1
CRIMSON	12 to 20	1/2"	7/1-8/30
LADINO (OR WHITE)	4 to 6	1/2"	4/1-4/30 or 8/30
RED (MEDIUM OR MAMMOTH)	10 to 15	1/2"	3/1-4/30** or 8/30
SWEET	10 to 15	1/2"	4/15-4/30
CROWNVETCH	20 to 25	1/2"	2/1-9/30
FESCUE, TALL 1	2 to 20	1/2"	3/1-4/30 or 8/30
LESPEDEZA, KOREAN (H)	10 to 15	1/2"	2/15-3/31
MILLET, HYBRID PEARL	8 to 12 (rows)	1/2"	After frost danger
MILLET, HYBRID PEARL	35 to 40 (broadcast)	1/2"	Through 6/30
OATS, SPRING	64 to 80	1" to 1-1/2"	3/1-4/30
ORCHARDGRASS	10 to 15	1/2"	3/1-4/30 or 8/1-9/30
RAPE, DWARF ESSEX	6 to 10	1/2"	4/1-8/30
REED CANARYGRASS	8 to 10	1/2"	3/1-4/30 or 8/1-9/30
RYE GAIN	84 to 112	1" to 1-1/2"	8/1-9/30
RYEGRASS, TETRAPLOID PERENNIAL	20 to 25	1/2"	3/1-4/30 or 8/1-9/30
SORGHUM, GRAIN	8 to 12	1/2" to 1"	5/1-5/31
SORGHUM, SUDANGRASS	20 to 30 (rows)	1/2" to 1"	5/1-6/15
SORGHUM, SUDANGRASS	20 to 30 (broadcast)	1/2" to 1"	5/1-6/15
SPELT	60 to 80	1" to 1-1/2"	9/1-10/5
SUDANGRASS	25	1/2" to 1"	5/1-6/15
SUNFLOWER	3 to 5	1 to 1-1/2"	5/1-6/30
SWITCHGRASS	6 to 8 (pure live seed)	1/2"	5/1-6/30
TIMOTHY	10 to 15	1/2"	3/1-4/30 or 8/1-9/30
TRITICALE, FALL	90 to 100	1" to 1-1/2"	8/1-9/15

PLANT FOOD REMOVED IN HARVESTED CROP

CROP	UNIT	N	P 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 environment, consider increasing table rates by 10%.

SORGHUM SEED RATES

CONDITION	SORGHUM TYPE	PER ACRE
ADEQUATE MOISTURE	Sorghum X Sudangrass	20-25 pounds
	Sudangrass	15 pounds
	Silage	100,000 seeds
LIMITED MOISTURE	Sorghum X Sudangrass	15 pounds
	Sudangrass	10 pounds
	Silage	70,000 seeds
IRRIGATED	Grain	80,000-120,000 seeds
<80 BPA	Grain	25,000-35,000 seeds
80-125 BPA	Grain	40,000-55,000 pounds
125+ BPA	Grain	55,000-70,000 pounds

If planting in 20-inch rows or less always use the higher rates. Increase seeding rate by 20% if planting is delayed significantly to account for lower tillering rates.

SOYBEAN DELAYED PLANTING (UNIFORM STANDS)

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

SOYBEAN PLANTING CHART

SEED PER POUND

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

PLANTS PER FOOT OF ROW

SOYBEAN REPLANT FACTORS

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

1. Evaluating the population and uniformity of the remaining stand (see “Soybean Stand Counts” chart on page 89)
2. Comparing the estimated yield of the existing stand versus that of replanted crop (see “Soybean Yield Effects from Reduced Plant Populations” chart on page 90 and “Soybean Delayed Planting” chart on page 87)
3. Considering estimated replanting costs (fuel, weed control, labor, etc.)

SOYBEAN SEEDING

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

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

SOYBEAN STAND COUNTS

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

SOYBEAN STAND COUNTS, CONTINUED

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

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

SOYBEAN YIELD EFFECTS FROM REDUCED PLANT POPULATIONS

For uniform stands and weed-free conditions:

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

SOYBEAN YIELD ESTIMATE FORMULAS

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

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

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

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



WEIGHTS AND MEASUREMENTS

AREA

1 Square Foot = 144 Square Inches

1 Square Yard = 9 Square Feet,
1,296 Square Inches

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 an Octagon =
Length of One Side
Squared x 4.838



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

DISTANCE

1 Foot = 12 Inches

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

1 Yard = 36 Inches
= 3 Feet

1 Rod = 16.5 Feet
= 5.5 Yards

WEIGHT

1 Pound = 16 Ounces

1 Metric Ton = 2,205
Pounds

1 Ton = 2,000
Pounds

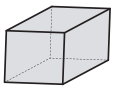
VOLUME

1 Cubic Yard = 27 Cubic Feet

1 Cubic Foot = 7.48 Gallons,
62.4 Pounds of Water,
1,728 Cubic Inches

1 Gallon = 8.345 Pounds of Water

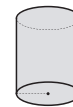
**Bushel Capacity of
Bins, Cribs, Piles** = Volume in
Cubic Feet ÷ 1.25
(2.25 for Ear Corn)



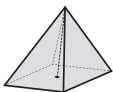
**Square or Rectangular Bin
or Crib =**
Width x Length x Height



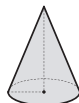
**Pile Against a Straight Wall
(1/2 Cone) =**
Volume of a Full Cone ÷ 2



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



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



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



Sphere or Globe =
Cube Radius x 4.1888

CAPACITY

1 Cup = 8 Fluid Ounces

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

1 Pint = 16 Fluid Ounces
= 2 Cups

1 Liter = 1.06 Quarts

1 Gallon = 128 Fluid Ounces
= 16 Cups
= 8 Pints
= 4 Quarts

TERMS AND CONDITIONS OF PURCHASES:

AFFILIATIONS

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

ALFALFA YIELD RATINGS

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

CORN TRAITS

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

CORTEVA TRAITS

Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS product launch stewardship guidance Corteva Agrisciences Product Launch Stewardship Policy. No crop or material produced from this product can be exported to, used, processed or sold 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. For further information about your crop or grain marketing options, contact DAS at 877-4-TRAITS (877-487-2487). Information regarding the regulatory and market status of agricultural biotechnology products can be found at: www.biotradestatus.com.



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 Corteva Agriscience. In consideration of the foregoing, Corteva Agriscience 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.

PWE – PowerCore® Enlist® corn products with HX1, VTP, ENL, LL, RR. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Enlist products.

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 dam-

age or kill crops that are not tolerant to 2,4-D or -fops.

IRM - Properly managing trait technology is key to preserving it as a long-term crop protection tool. Growers who fail to comply with IRM requirements risk losing access to this product. To help preserve the effectiveness of B.t. corn technologies, growers planting B.t. corn technologies are required to follow an IRM Plan. Consult the Corn Product Use Guide for appropriate refuge configuration options. Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology Use Agreement and Product Use Guide. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements. For complete details on IRM requirements for hybrids with Bt technology, including refuge examples and important information on the use of insecticides on refuge and Bt corn acres, please consult appropriate Product Use Guide. Go to [www.corteva.us/Resources/ trait-stewardship.html](http://www.corteva.us/Resources/trait-stewardship.html) to download the latest Corteva Agriscience Corn Product Use Guide.

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 Corteva Agriscience technologies can be found at the following webpage: www.corteva.us/Resources/ trait-stewardship.html. Enlist Duo® and Enlist One® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions. Enlist E3® soybeans were jointly developed by Corteva Agriscience and MS Technologies, LLC.™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience. PowerCore® multi-event technology developed by Corteva Agriscience and Monsanto. Roundup®, Roundup Ready®, Roundup Ready 2 Technology and Design, and PowerCore® are registered trademarks of Monsanto Technology LLC.



Liberty Link® and the Water Droplet Design® are registered trademarks of BASF. Enlist®, Colex-D®, and Refuge Advanced® are trademarks of Corteva Agriscience and its affiliated companies. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship. PowerCore® Enlist® corn products with HX1, VTP, ENL, LL, RR. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Enlist products.

DURACADE®

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

GMO

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

INNOTECH®

Innotech® is a Syngenta brand distributed by Seed

Genetics Direct. Innotech® is a registered trademark of a Syngenta Group Company.



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.

ROUNDUP READY® ALFALFA

Due to the unique cropping practices, do not plant Roundup Ready® Alfalfa in Imperial County, California, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting. Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Roundup Ready® Alfalfa has pending import approvals. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

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

PERFORMANCE MAY VARY

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible. Data is based on past test performance and does not ensure future results.

SAVING SEED

It is illegal to save patented trait seed and patented germplasm seed. SGD is committed to a proactive approach against seed piracy and reducing seed piracy. Seed Genetics Direct cannot in good conscience charge one customer for seed technology and allow another to pirate the technology.

SORGHUM RATINGS

Deviation from normal planting date, cultural practices and growing conditions may affect performance and cause variation in characteristics. Ratings and descriptions are based on research and field observations from multiple locations over multiple years; comparisons with company products only. Days to bloom may vary due to growth characteristics, planting dates or environment. Dough stage from emergence. Seeds per pound may vary due to environmental influences during the production.



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

ORDER FORM

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

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

DATE _____

SEEDSMAN _____

CUSTOMER NAME _____

ADDRESS _____

CITY, STATE, ZIP _____

COUNTY _____

EMAIL _____

PHONE _____

SHIRT SIZE _____

LAST 4 DIGITS OF SOC# _____

JDF # _____

RABO # _____

AGRISURE LICENSE # _____

BAYER LICENSE # _____

CORTEVA LICENSE # _____

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

Buyer agrees to purchase seed solely for purposes of production of grain crop and that the seed, and any production from the seed, shall not be resold or used as seed. Buyer agrees not to alter or permit the alteration of seed, or any product of the seed, through genetic techniques or otherwise. Buyer acknowledges that failure to adhere to the above provisions would substantially damage the supplier/developer who has a substantial investment in this seed product. Purchaser hereby certifies that the articles of tangible personal property purchased from Seed Genetics Direct and Herbicides Direct shall be purchased to use or consume the thing transferred directly in the production of tangible personal property for sale by farming. This agreement shall continue in force until revoked and shall be considered a part of each order given to Seed Genetics Direct and/or Herbicides Direct unless the order specifies otherwise. See seedsman or www.seedgeneticsdirect.com for complete terms and conditions.

SUB TOTAL	
EARLY PAY DISCOUNT <i>Cash, check, credit card only</i>	
PAYMENT TYPE	<input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> JDF <input type="checkbox"/> RABO <input type="checkbox"/> Credit Card (+3.5%)
TOTAL	

CUSTOMER SIGNATURE UPON ORDER _____ DATE _____

SAVINGS

EARLY ORDER

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



Before Sept. 1, 2023

- Save \$1/unit of wheat



Before Nov. 10, 2023

- Save \$10/unit of corn
- Save \$2/unit corn pro box fee
- 100% replant guarantee (available all year)



Before Nov. 10, 2023

- Save \$2/unit of soybeans
- 100% replant guarantee on treated soybeans

EARLY PAY

CASH • CHECK • CREDIT CARD

PAY BY	PAY WITH CASH, CHECK, OR CREDIT CARD ¹ & SAVE
8/10/23	14%
9/10/23	13%
10/10/23	12%
11/10/23	11%
12/10/23	10%
1/10/24	9%
2/10/24	7%
3/10/24	5%
4/10/24	3%
5/10/24	2%
6/10/24	1%

Pay by the indicated date and save!

PAYMENTS



CASH



CHECK



CREDIT CARD



The above options are available on seed purchases made between August 1, 2023 and June 10, 2024. Account balances must be paid in full by July 10, 2024, unless paying through John Deere Financial. Payments are due in full to RABO and JDF in December 2024. SGD Early Pay Savings are applied on date of payment to SGD. Financing approval and credit limits are established by John Deere Financial, RABO, and major credit card institutions, not Seed Genetics Direct. Convenience fees of 3.5% are added to each credit card transaction. SGD accepts the following major credit cards: American Express, Discover, MasterCard, Visa. Debit cards are not accepted. Convenience fees and credit limits are established by each major credit card institution, not Seed Genetics Direct. Seed Genetics Direct receives no portion of convenience fees. All fees are refundable. RABO financing applies to treated corn purchases only. Subject to RABO AgriFinance credit approval, terms and conditions. No minimum purchase required. Apply for RABO financing at Grower.RaboAg.com or 888-395-8505, or contact SGD at kevinl@seedgeneticsdirect.com or 740-505-2133. Discounts are applied on approval date from RABO. Terms and conditions apply. JDF finance program is only available to John Deere Financial Preferred Customers. To apply for a John Deere Financial Preferred Account or to increase your John Deere Financial line of credit, contact John Deere Financial or contact at 800-433-8964 SGD at kevinl@seedgeneticsdirect.com or 740-505-2133. Terms and conditions apply. Discounts are applied on approval date from JDF. A signed terms of disclosure must be on file. A minimum purchase of \$1,000 is required.



Seed Genetics
DIRECT LLC

CUSTOMERS IN
715+
COMMUNITIES



IN
16
STATES

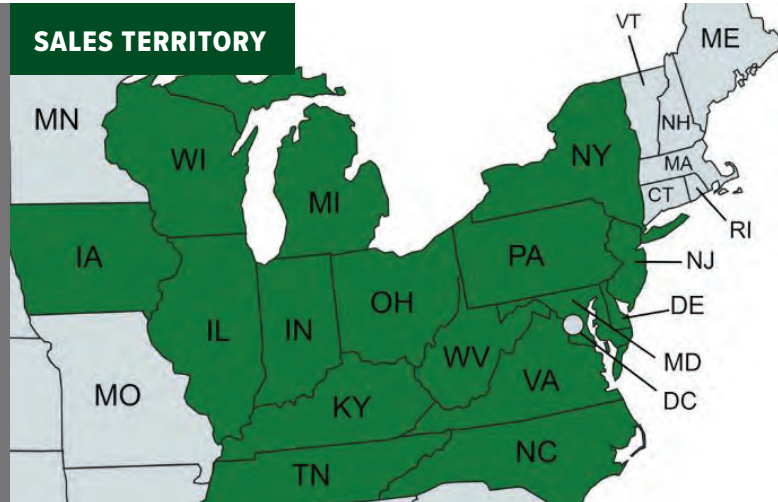
WITH



23

RESEARCH LOCATIONS

SALES TERRITORY



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



RESEARCH PLOTS