

Product Guide



2024

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2024 Yearbook



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We have over 90 years experience bringing the best seeds and service to our customers. Technology and genetics continue to change the agri-business landscape, we continue our long history of providing the best possible products to the market. We remain focused on our mid west customer base and the unique products that will make them successful.

Contact one of our seed professionals about your specific needs and they will help you get the most out of your fields.

Corn Trait Technologies



Quality - Intelligence - Culture

		Glyphosate	Liberty	2, 4-D Choline / FOP's	Water Utilization	Corn Rootworm	European Corn Borer	Southwestern Corn Borer	Corn Earworm	Western Bean Cutworm	Black Cutworm	Dingy Cutworm	Fall Armyworm	True Armyworm	Stalk Borer	Corn Borer	Broad Lepidopteran	*Rootworm Larvae	Refuge in Bag
Roundup Ready® Corn (RR2)		X																	None
Agrisure Viptera® 3120 E-Z Refuge		X	X			X	X	X				X		X	2	2			95/5
Agrisure Duracade® 5122 E-Z Refuge		X	X		X	X	X	X	X	X	X	X	X	X	2	2	2		95/5
VT Double PRO® RIB Complete® Corn Blend		X				X	X	X				X		X	2	2			95/5
DroughtGard® VT Double PRO® RIB Complete® Corn Blend		X		X		X	X	X				X		X	2	2			95/5
Trecepta® RIB Complete® Corn Blend		X				X	X	X	X	X	X	X	X	X	2	3			95/5
SmartStax® RIB Complete® Corn Blend		X	X		X	X	X	X		X		X		X	3	3	2		95/5
PowerCore® Enlist® Refuge Advanced®		X	X	X		X	X	X		X		X		X	3	3			95/5
		Herbicide Tolerance			In-Plant Insect Protection									Technology's Mode of Action			Refuge		



100-112 Relative Maturity

SunStar Conventional Corn

PRODUCT				MANAGEMENT		PLANTING			GROWTH							SOIL																											
Sunstar Corn Varieties				Relative Maturity (Days)		GDUS to Black Layer		Population Range		High Population Tolerance		Emergence		Early Plant Vigor		Root Strength		Stalk Strength		Drought Tolerance		Green Snap		Plant Height		Stay Green		Loam		Clay		Sand		Fall Appearance		Ear Height		Ear Type		Ear Length		Ear Girth	
20A1	100-102	2520	28-34K	4	5	5	5	5	4	5	M	4	6	6	5	4	M	F	4	6																							
22A6	105-107	2600	28-36K	5	5	6	4	5	6	4	M	5	6	6	6	5	M	SD	5	5																							
18A8	107-109	2560	28-36K	5	6	6	6	5	4	6	M	4	6	6	5	4	M	SD	5	4																							
18A11	110-112	2760	32-36K	5	5	6	6	4	4	3	MT	4	6	6	5	5	M	SD	5	5																							

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent	T - Tall	SF - Semi-Flex	H - High	6 - Long	6 - Girthy
5 - Very Good	MT - Medium Tall	F - Flex	MH - Medium High	5 - Medium Long	5 - Medium Girthy
4 - Good	M - Medium	SD - Semi-Determinate	M - Medium	4 - Medium	4 - Medium
3 - Average	MS - Medium Short	D - Determinate	ML - Medium Low	3 - Medium Short	3 - Medium Slender
2 - Fair	S - Short	NR - Not Recommended	L - Low	2 - Short	2 - Slender
1 - Poor					

20A1 CONVENTIONAL

Stress handler in the conventional option

- Excellent drydown
- Excellent drought tolerance
- Impressive disease package

22A6 CONVENTIONAL

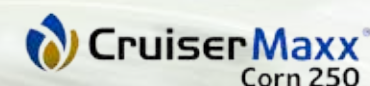
Stress handler in the conventional option

- Excellent emergence
- Large ear
- Very good test weight



Quality - Intelligence - Culture

Financing available thru



All Sunstar Hybrid Conventional corn is treated with Crusier Maxx® 250

HARVEST								DISEASE TOLERANCE				
	Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tarspot	Common Rust	Corn After Corn with Fungicide	Anthrachnose Stalk Rot	Goss Wilt	Physoderma Node Breakage
18-20	4	4	5	4	4	4	5	NR	4	4	5	20A1
18-20	6	4	4	5	4	4	3	NR	5	4	4	22A6
14-16	4	5	4	5	4	5	5	NR	5	3	3	18A8
16-18	4	6	4	6	4	5	4	NR	4	4	5	18A11

Busting Three Major Myths About Growing Conventional Corn

1. "You'll barely be able to see my crop for all the weeds."

While it may be true that if you go the conventional route you won't be able to spray glyphosate or glufosinate over the top of your crop in-season, weed pressure is still controllable with conventional corn. Because weeds start robbing yield from corn immediately, you should always use a pre-emergence weed control when producing corn, and the pre-emergence herbicides used in conventional corn provide similar weed control to those used in GM products.

2. "Insect damage will decimate my corn crop."

In many situations, an easy way to manage corn rootworms is crop rotation. Many growers find that if they can move a field out of corn for a year, the following year they have drastically reduced the pressure from this pest. However, if this isn't the case on your farm, you still have options for growing conventional corn. Using an insecticide in-furrow, such as Capture®LFR®, can limit early season pressure.

Taking the time to scout your fields regularly for above-ground insects is an important part of making a conventional corn crop successful. If insect populations reach economic thresholds, an over-the-top application of an insecticide such as Warrior®II can help mitigate the problem. Learn more about the chemical plans and costs associated with growing conventional corn.

3. "I can't make as much money if I don't plant traited corn."

Because genetics are what determine yield potential, a conventional hybrid starts off at the same baseline of potential performance as a traited relative. Traits simply help protect the potential that is already there. In some cases and cropping scenarios (for example: if you're planting a rootworm trait but don't actually need it), it may be that adding traits and technology to certain hybrids can actually create a yield drag. In these cases, a conventional hybrid could outperform traited seed.

18A8 CONVENTIONAL

Test weight champion

- Great late fall appearance
- Strong stalks and roots
- Handles dry ground better than most

18A11 CONVENTIONAL

High yielding conventional corn with excellent roots

- Supreme disease package
- Excellent fall intactness
- Prefers variable to ideal soils

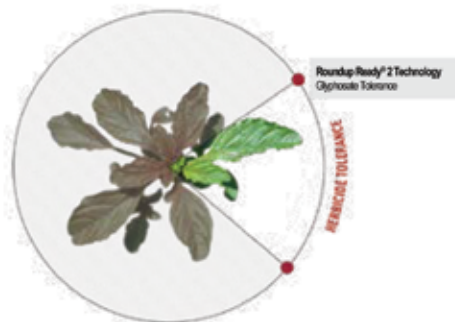
PROVEN DEFENSE AGAINST ABOVE-GROUND YIELD ROBBERS

VT Double PRO[®]
RIB COMPLETE[®]

VT Double PRO[®] RIB Complete[®] corn blend products protect yield potential and grain quality with dual modes of action proven **effective against above-ground pests**, including southwestern corn borer and European corn borer, fall armyworm, and corn earworm.

WHAT SETS VT DOUBLE PRO[®] RIB COMPLETE[®] CORN BLEND ABOVE THE REST:

- The first double-stacked corn trait with two ways to control above-ground insects
- Helps plants withstand herbicides, preventing weeds from competing for crucial nutrients and water
- Developed by the industry leader in trait technology and germplasm integration
- Plant-and-go convenience with no separate refuge required in the Corn-Growing Area



CUT DOWN ON WEEDS, NOT YIELD

Roundup Ready[®] 2 Technology helps the corn plant withstand glyphosate herbicide applications. This helps to prevent susceptible weeds from robbing plants of the nutrients and water they need.

EXCEPTIONAL ABOVE-GROUND PROTECTION

Two individual modes of action give corn plants the above-ground protection they need against major pests that can inflict serious crop damage.



POWERFUL PROTECTION FROM PROBLEM PESTS:



SOUTHWESTERN CORN BORER



EUROPEAN CORN BORER



CORN EARWORM



FALL ARMYWORM

For more information visit
TRAITS.BAYER.COM

COMPARE YOUR ABOVE-GROUND PROTECTION OPTIONS



CORN-GROWING AREA	VT Double PRO® RIB Complete® Corn Blend¹	Herculex® 1	Optimum® AcreMax®²
PRIMARY PESTS			
European corn borer	**	*	**
Southwestern corn borer	**	*	**
Fall armyworm	**	*	*
Corn earworm¹ᵃ	**		
Black cutworm		*	*
HERBICIDE TECHNOLOGY	Roundup Ready® 2 Technology	Roundup Ready® Corn 2/LibertyLink®	Roundup Ready® Corn 2/LibertyLink®
REFUGE (Corn-Growing Area)	5% Refuge-in-a-Bag	20% Structured	5% Refuge-in-a-Bag
REFUGE EXAMPLES (Corn-Growing Area)			

Modes of action equal control of pest

** Dual-mode activity * Single-mode activity

VT Double PRO® RIB Complete® is a corn seed blend of 95% B.t. seed and 5% non-B.t. seed.

Optimum® AcreMax® is a RIB blend product.

¹CryIA.105 and Cry2Ab2 from B.t. controls or suppresses corn earworm.

²Pioneer claims suppression of corn earworm on the Optimum® AcreMax® and Herculex® 1 labels.

For more information visit
TRAITS.BAYER.COM



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 Stewardship Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. B.t. products may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

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

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

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Herculex® is a registered trademark of Dow AgroSciences LLC. LibertyLink® and LibertyLink® and the Water Droplet Design® are trademarks of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. RIB Complete®, Roundup Ready 2 Technology and Design™, Roundup Ready®, and VT Triple PRO® are trademarks of Bayer Group. All other trademarks are the property of their respective owners. ©2021 Bayer Group. All rights reserved.

PRODUCT				MANAGEMENT		PLANTING			GROWTH							SOIL																											
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24A90 VT2P RIB	89-91	2435	28-36K	5	5	5	5	4	5	6	MT	5	6	5	5	5	M	SF	4	4																							
24A98 VT2P RIB	97-99	2425	28-36K	5	5	6	5	5	6	5	MT	4	6	6	6	4	M	SF	4	4																							
20A1 VT2P RIB	100-102	2520	28-34K	4	5	5	5	5	4	5	M	4	6	6	5	4	M	F	4	6																							
24ex101 VT2P RIB	100-102	2485	28-36K	4	6	6	5	4	5	5	MS	4	6	6	6	5	M	SF	4	5																							
20A4 VT2P RIB	103-105	2485	28-36K	5	6	4	4	5	4	4	M	4	6	6	5	4	M	SF	4	5																							

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent 5 - Very Good 4 - Good 3 - Average 2 - Fair 1 - Poor	T - Tall MT - Medium Tall M - Medium MS - Medium Short S - Short	SF - Semi-Flex F - Flex SD - Semi-Determinate D - Determinate NR - Not Recommended	H - High MH - Medium High M - Medium ML - Medium Low L - Low	6 - Long 5 - Medium Long 4 - Medium 3 - Medium Short 2 - Short	6 - Girthy 5 - Medium Girthy 4 - Medium 3 - Medium Slender 2 - Slender

24A90 VT2P RIB - New

Semi-Flex ear for short season planting

- Balanced disease package
- Excellent emergence
- Very good test weight
- Handles all soil types

24A98 VT2P RIB - New

A new early option that will handle tougher soils

- Excellent disease package
- Very good roots
- Excellent emergence and early on plant vigor
- Great no-till option
- Very good tar spot complex defense

20A1 VT2P RIB

Full flex early option with long massive ears

- Medium height plant with very good roots
- Will keep up with later maturity leaders
- Excellent response to fungicide
- Stands very well for late season wind

Above Ground Insects

HARVEST								DISEASE TOLERANCE				Sunstar Corn Varieties	
Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthrachnose Stalk Rot	Goss Wilt	Physoderma Node Breakage		
16-18	5	6	3	4	4	4	5	NR	4	5	4	24A90 VT2P RIB	NEW
16-18	5	5	3	4	4	4	5	NR	5	4	4	24A98 VT2P RIB	NEW
18-20	4	4	5	4	4	4	5	NR	4	4	5	20A1 VT2P RIB	
14-16	5	5	4	4	4	5	6	NR	6	5	6	24ex101 VT2P RIB	Experimental
16-18	4	5	4	5	4	4	4	NR	4	4	3	20A4 VT2P RIB	

VT Double PRO® RIB Complete® Corn Controls Above-Ground Insects

As the first double-stacked corn trait with two ways to help control ear-feeding insects, VT Double PRO® corn delivers a broad spectrum of protection against above-ground pests, including European corn borer, southwestern corn borer, fall armyworm and corn earworm.

2 modes of action from proteins Cry1A.105 and Cry2Ab2

24ex101 VT2P RIB - Experimental

A new early option that will handle tougher soils

- Excellent disease package
- Very good roots
- Excellent emergence and early on plant vigor
- Very good tar spot complex defense

20A4 VT2P RIB

No till champ, with excellent emergence

- Very good test weight
- Very good drought tolerance
- Super solid disease package
- 2020 Top ten yielder



Quality - Intelligence - Culture

Financing available thru



VT Double PRO® RIB Complete® corn treated with Acceleron 250



PRODUCT	MANAGEMENT		PLANTING		GROWTH										SOIL					
Sunstar Corn Varieties	Relative Maturity (Days)	GDUS to Black Layer	Population Range	High Population Tolerance	Emergence	Early Plant Vigor	Root Strength	Stalk Strength	Drought Tolerance	Green Snap	Plant Height	Stay Green	Loam	Clay	Sand	Fall Appearance	Ear Height	Ear Type	Ear Length	Ear Girth
23A5 VT2P RIB	104-106	2455	30-36K	5	5	5	6	5	5	5	MT	4	6	6	6	4	M	SF	5	5
22A6 VT2P RIB	105-107	2600	28-36K	5	5	6	4	5	6	4	M	5	6	6	6	5	M	SD	5	5
22A7 VT2P RIB	106-108	2755	28-36K	5	5	4	5	6	4	5	MT	4	6	6	3	4	M	SF	5	4
23A9 VT2P RIB	108-110	2690	28-36K	5	5	4	4	5	4	4	M	4	6	5	4	5	M	SD	5	5

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent	T - Tall	SF - Semi-Flex	H - High	6 - Long	6 - Girthy
5 - Very Good	MT - Medium Tall	F - Flex	MH - Medium High	5 - Medium Long	5 - Medium Girthy
4 - Good	M - Medium	SD - Semi-Determinate	M - Medium	4 - Medium	4 - Medium
3 - Average	MS - Medium Short	D - Determinate	ML - Medium Low	3 - Medium Short	3 - Medium Slender
2 - Fair	S - Short	NR - Not Recommended	L - Low	2 - Short	2 - Slender
1 - Poor					

23A5 VT2P RIB

Good flex in this hybrids ear

- Excellent drydown
- Very good test weight
- High quality grain and silage
- Strong stalks and roots with reduced greensnap
- Don't push the population on this hybrid

22A6 VT2P RIB

Looking for a high yielding hybrid to plant that will dry down fast?

- Productive soils will prove top end yield
- Very strong seedling vigor
- Excellent drought tolerance!
- Solid disease defense
- Very good emergence

22A7 VT2P RIB

Concrete stalks, deep kernal, great test weight and elite yield

- Responds to highly managed acres
- Excellent silage option
- Very good defense
- Very good drydown

Above Ground Insects

HARVEST								DISEASE TOLERANCE				
	Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthrachnose Stalk Rot	Goss Wilt	Physoderma Node Breakage
16-18	6	5	5	5	4	5	4	NR	5	5	5	23A5 VT2P RIB
18-20	6	4	4	5	4	4	3	NR	5	4	4	22A6 VT2P RIB
16-18	5	5	6	5	5	4	4	NR	5	4	6	22A7 VT2P RIB
16-18	6	5	6	4	4	5	5	6	5	5	5	23A9 VT2P RIB

VT Double PRO® RIB Complete® Corn

Controls Above-Ground Insects

As the first double-stacked corn trait with two ways to help control ear-feeding insects, VT Double PRO® corn delivers a broad spectrum of protection against above-ground pests, including European corn borer, southwestern corn borer, fall armyworm and corn earworm.

2 modes of action from proteins Cry1A.105 and Cry2Ab2

23A9 VT2P RIB

An early harvest option with top end yield potential

- Excellent drydown
- Very good tar spot defense
- Great corn after corn for a VT2P option
- Well rounded disease resistance
- Place on medium to better soils



Quality - Intelligence - Culture

Financing available thru



VT Double PRO® RIB Complete® corn treated with Acceleron 250



PRODUCT	MANAGEMENT	PLANTING	GROWTH										SOIL							
Sunstar Corn Varieties	Relative Maturity (Days)	GDUS to Black Layer	Population Range	High Population Tolerance	Emergence	Early Plant Vigor	Root Strength	Stalk Strength	Drought Tolerance	Green Snap	Plant Height	Stay Green	Loam	Clay	Sand	Fall Appearance	Ear Height	Ear Type	Ear Length	Ear Girth
24ex110 VT2P RIB	109-111	2685	30-38K	6	5	5	5	5	5	4	T	4	6	6	5	5	MH	SF	5	5
23A10 EZ-3120 RIB	109-111	2675	28-36K	5	6	6	5	6	4	5	MT	4	6	6	6	5	ML	SF	5	5
18A11 VT2P RIB	110-112	2760	32-36K	5	5	6	6	4	4	3	MT	4	6	6	5	5	M	SD	5	5
24ex112 VT2P RIB	111-113	2850	30-36K	5	5	5	5	5	4	4	MT	5	6	6	6	6	MH	SF	4	5

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent	T - Tall	SF - Semi-Flex	H - High	6 - Long	6 - Girthy
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4 - Good	M - Medium	SD - Semi-Determinate	M - Medium	4 - Medium	4 - Medium
3 - Average	MS - Medium Short	D - Determinate	ML - Medium Low	3 - Medium Short	3 - Medium Slender
2 - Fair	S - Short	NR - Not Recommended	L - Low	2 - Short	2 - Slender
1 - Poor					

24ex110 VT2P RIB - Experimental

Low or High management corn that will yield on both ends

- Tall semi-flex hybrid that handles all soil types
- High end disease resistance with great tar spot defense
- Low risk to Physoderma node breakage
- Exceptional dry down for a 110 day hybrid

23A10 EZ-3120 RIB

Soils best friend, a 110 Day powerhouse that handles all types of soils

- Superior Test Weight
- Excellent Stalks
- Very good tolerance to Tar Spot
- Excellent Seedling Vigor
- Does very well with stalk diseases
- Liberty tolerant

Viptera® 3120 EZ

Above Ground Insects

HARVEST

DISEASE TOLERANCE

Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthracnose Stalk Rot	Goss Wilt	Physoderma Node Breakage	Sunstar Corn Varieties
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16-18	6	5	3	4	4	5	5	NR	5	3	5	24ex110 VT2P RIB	Experimental
16-18	5	6	5	6	6	6	3	NR	5	5	6	23A10 EZ-3120 RIB	
16-18	4	6	4	6	4	5	4	NR	4	4	4	18A11 VT2P RIB	
16-18	4	6	4	6	5	5	4	NR	4	4	4	24ex112 VT2P RIB	Experimental

VT Double PRO® Corn Roundup Ready® 2 Technology

Glyphosate Tolerance

An additional site of action helps plants withstand glyphosate to prevent weeds from competing with corn by robbing plants of crucial nutrients and water.

18A11 VT2P RIB

A hybrid that reciprocates high management and is a top end yielder, year after year

- Excellent test weight
- Medium tall hybrid with large ears and strong roots
- Great defense (especially to leaf blight)
- Excellent intactness
- Very Good Tar Spot resistance

24ex112 VT2P RIB - Experimental

Blow sand corn

- Excels on Light, medium, and heavy ground
- Excels on extremely unproductive soils (Blow Sand)
- Consistent look with girthy, semi-flex ears that yield from thick deep kernels
- Can be harvested late with it's late season health and intactness
- Unmatched yielding on high management acres



Quality - Intelligence - Culture

Financing available thru



VT Double PRO® RIB Complete® corn treated with Acceleron 250



DROUGHTGARD® HYBRIDS CAN DO MORE WITH LESS WATER

DroughtGard®
HYBRIDS

YIELDS IN EVERY GROWING CONDITION

- The only corn product with a biotech trait for drought tolerance
- Minimizes risk and helps maximize yield potential with the water you have
- Protects when there is drought stress
- Proven to yield in:
 - Dryland conditions
 - Limited irrigation
 - Well-watered conditions

>5 bu/a ADVANTAGE*
versus drought-tolerant competitors



*2013-2015 Monsanto Trials across the Western Great Plains and Corn Belt. All trials are head-to-head comparisons using +/- 2 RMs and calculated using 15 percent moisture. Data represents weighted average results of leading DroughtGard® Hybrids products vs. drought-tolerant competitors.

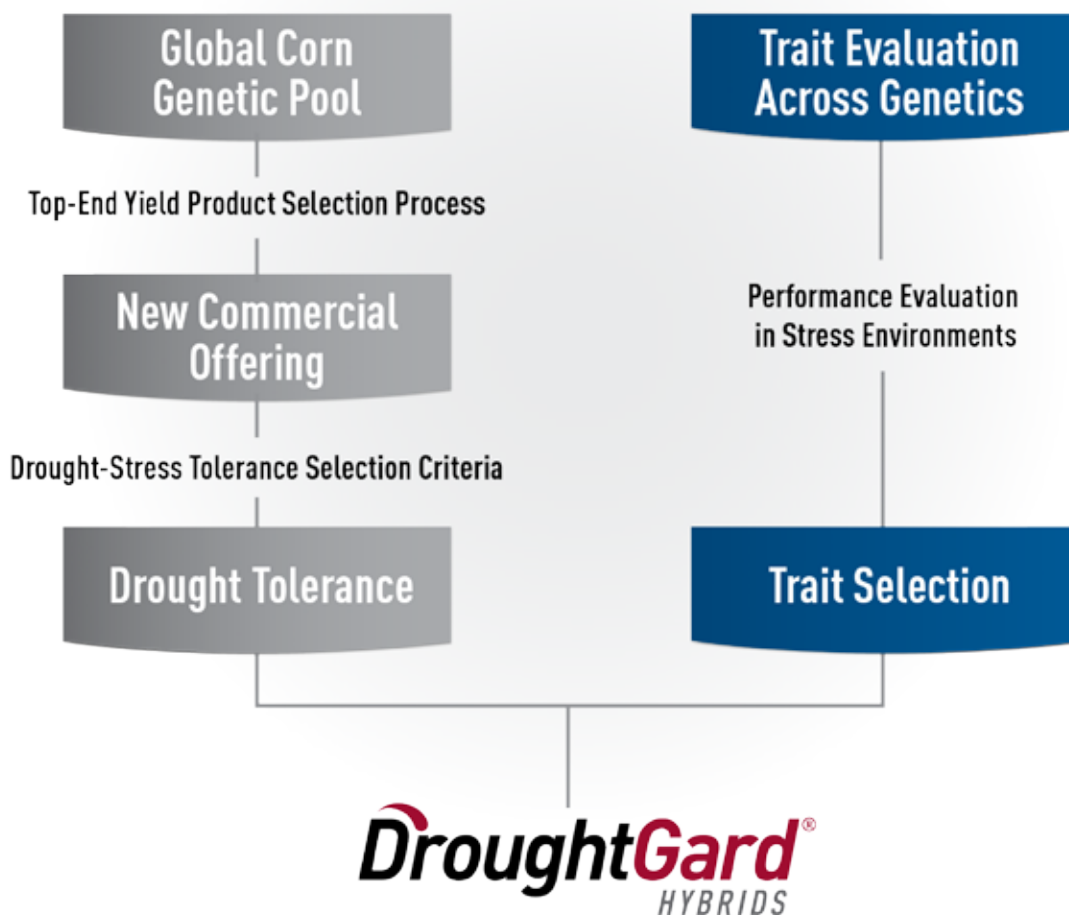
For more information, go to Genuity.com/DroughtGard

UNIQUE SELECTION AND DUAL ADVANCEMENT PROCESS

DroughtGard[®] HYBRIDS

A unique Dual Advancement Process ensures the selection of the best genetics by combining our focused drought-breeding program with the first and only drought-tolerant biotech trait to provide a valuable risk management tool — DroughtGard[®] Hybrids corn products.

For more information, go to
Genuity.com/DroughtGard



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

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PRODUCT				MANAGEMENT		PLANTING			GROWTH							SOIL																											
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16A10 DG VT2P RIB	109-111	2775	32-38K	6	5	4	5	5	6	5	M	3	6	5	6	4	M	D	4	5																							
22A10 DG VT2P RIB	109-111	2815	32-38K	6	5	5	5	5	5	5	MT	5	6	6	4	6	MH	SF	4	6																							
20A11 DG VT2P RIB	110-112	2690	32-36K	5	4	4	5	6	6	4	M	3	6	5	6	4	M	SF	4	5																							

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent 5 - Very Good 4 - Good 3 - Average 2 - Fair 1 - Poor	T - Tall MT - Medium Tall M - Medium MS - Medium Short S - Short	SF - Semi-Flex F - Flex SD - Semi-Determinate D - Determinate NR - Not Recommended	H - High MH - Medium High M - Medium ML - Medium Low L - Low	6 - Long 5 - Medium Long 4 - Medium 3 - Medium Short 2 - Short	6 - Girthy 5 - Medium Girthy 4 - Medium 3 - Medium Slender 2 - Slender

22A5 DG VT2P RIB

Full flex ear with yield to moisture ratios off the charts! #1 Mid maturity corn in 2020 trials

- Very long ears with tremendous tip fill
- Handles all soil types
- Late flowering for its maturity
- Super fast drydown
- Good late season intactness

16A10 DG VT2P RIB

High pops under irrigation will yield higher than anything you've ever grown before

- Handles high population with grace
- Excellent drought tolerance.
- Great disease package.



HARVEST								DISEASE TOLERANCE				
Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthrachnose Stalk Rot	Goss Wilt	Physoderma Node Breakage	Sunstar Corn Varieties
16-18	5	4	3	4	5	4	4	NR	4	5	5	22A5 DG VT2P RIB
16-18	5	4	5	5	4	4	4	NR	4	5	4	16A10 DG VT2P RIB
18-20	4	5	6	5	5	5	4	NR	5	5	5	22A10 DG VT2P RIB
16-18	4	6	5	4	4	4	4	NR	4	3	3	20A11 DG VT2P RIB



VT Double PRO[®] RIB Complete[®] corn treated with Acceleron 250

DroughtGard[®] Hybrids Stacked with VT Double PRO[®]

The world's first and only drought-tolerant biotechnology trait for corn, DroughtGard[®] Hybrids products are designed to help corn plants resist drought stress and minimize the risk associated with one key, unpredictable factor: The weather.

Maximize Yield Potential in Drought Conditions

The DroughtGard[®] Hybrids trait is a part of a systems approach that combines best agronomic recommendations, germplasm selected for top-end yield potential and superior drought-tolerance characteristics. The DroughtGard[®] Hybrids gene helps the plant create proteins that are essential for growth, helping to support yield opportunity when water is scarce.

The Importance of Protein Development

As corn grows, its health depends on the production of essential proteins. Under normal, low-stress conditions, RNA strands allow what's called a "message" (encoded in a plant's DNA) to be translated into the production of proteins.

How cspB Increases Water Use in Corn During Low Rainfall

DroughtGard Hybrids technology utilize a beneficial cspB (cold shock protein B) inside the plant to help reduce the impacts of drought stress. cspB is a gene derived from a naturally occurring soil bacterium, Bacillus subtilus. During drought stress, cspB takes on the role of an RNA chaperone, preventing RNA strands from folding, allowing the plant to continue protein production.

*Control weeds with glyphosate applications

22A10 DG VT2P RIB

Gigantic ears with tremendous kernal flex, size and depth

- Utilize this hybrid in moderate to high yield environments
- Loves high population
- Very impressive disease package
- Flowers early for it's maturity

20A11 DG VT2P RIB

High yielder when placed on highly managed acres

- Excellent test weight
- Excellent stalks with very strong roots
- All around defense package
- Deep wide kernels

CHOOSE THE MOST COMPLETE ABOVE-GROUND PEST PROTECTION FOR CLEANER EARS

Trecepta[®]
RIB COMPLETE

With broad spectrum control of above-ground pests, Trecepta[®] technology can deliver maximum protection from insect damage.

WHY PLANT TRECEPTA[®] TECHNOLOGY:

- **PROVEN PERFORMANCE**

Built on the proven performance of VT Double PRO[®] technology.

- **CLEANER EARS**

Promotes healthy stalks and cleaner ears that can help improve grain quality.

- **BROAD PEST SPECTRUM**

Broad spectrum control of above-ground pests, including corn borer, corn earworm, fall armyworm, black cutworm and western bean cutworm.

CUT DOWN ON WEEDS, NOT YIELD

Trecepta contains Roundup Ready[®] 2 Technology, which allows the corn plant to withstand glyphosate herbicide applications. By reducing weed pressure, plants have access to the nutrients and water they need.

EXCEPTIONAL ABOVE-GROUND PROTECTION

Trecepta[®] technology reduces yield loss by protecting your corn crop from a wide range of pests. Different modes of action give you more complete control against above-ground insects that can inflict serious crop damage.



SOUTHWESTERN CORN BORER



EUROPEAN CORN BORER



CORN EARWORM



FALL ARMYWORM



BLACK CUTWORM







WESTERN BEAN CUTWORM

Find more information that can help you maximize clean ears and yield potential at Genuity.com/CompareTrecepta

COMPARE YOUR ABOVE-GROUND PROTECTION OPTIONS

Trecepta®

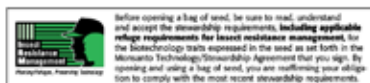
RIB COMPLETE®

CORN-GROWING AREA	Trecepta® RIB Complete® Corn Blend	VT Double PRO® RIB Complete® Corn Blend	Agrisure Viptera® 3220 E-Z Refuge® Corn	Optimum® AcreMax Leptra®
PRIMARY PESTS				
European corn borer	**	**	**	**
Southwestern corn borer	***	**	***	***
Fall armyworm	***	**	**	**
Corn earworm ^{1,2}	***	**	*	*
Western bean cutworm	*		*	*
Black cutworm	*		**	**
HERBICIDE TECHNOLOGY	Roundup Ready® 2 Technology	Roundup Ready® 2 Technology	Glyphosate	Roundup Ready® 2 Technology / LibertyLink®
REFUGE (Corn-Growing Area)	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag
REFUGE EXAMPLES (Corn-Growing Area)				

MODES OF ACTION EQUAL CONTROL OF PEST * TRIPLE-MODE ACTIVITY ** DUAL-MODE ACTIVITY * SINGLE-MODE ACTIVITY**

¹Pioneer claims suppression of corn earworm with Herculex I; Syngenta claims suppression of corn earworm with Bt11.

²Cry1A.105 and Cry2Ab2 from Bt controls or suppresses corn earworm



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

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

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. RIB Complete and Design®, RIB Complete®, Roundup Ready®, Roundup®, VT Double PRO®, and Trecepta® are trademarks of the Bayer Group. LibertyLink® is a registered trademark of BASF. Agrisure Viptera® is a registered trademark of a Syngenta Group Company. Optimum® Acremax and Leptra® are registered trademarks of Dupont Pioneer. Respect the Refuge and Corn Design® is a registered trademark of National Corn Growers Association. All other trademarks are the property of their respective owners.

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Find more information that can help you
maximize clean ears and yield potential at
Genuity.com/CompareTrecepta

PRODUCT				MANAGEMENT		PLANTING		GROWTH							SOIL																								
Sunstar Corn Varieties																																							
	Relative Maturity (Days)		GDUS to Black Layer		Population Range		High Population Tolerance		Emergence		Early Plant Vigor		Root Strength		Stalk Strength		Drought Tolerance		Green Snap		Plant Height		Stay Green		Loam		Clay		Sand		Fall Appearance		Ear Height		Ear Type		Ear Length		Ear Girth
24ex103 Trecepta RIB	102-104	2550	28-36K	5	5	5	5	5	5	5	5	M	5	6	6	6	5	MH	SF	5	4																		
24ex105 Trecepta RIB	104-106	2620	28-36K	5	6	6	6	5	6	4	4	M	4	6	6	6	4	M	F	5	4																		
23A6 Trecepta RIB	105-107	2560	28-34K	4	5	5	5	5	5	5	5	S	6	6	5	3	5	L	SF	5	5																		
24ex107 Trecepta RIB	106-108	2625	28-34K	4	5	5	5	4	4	5	5	S	6	6	5	3	6	L	SF	5	5																		
22A8 Trecepta RIB	107-109	2635	28-38K	5	5	5	5	5	5	5	5	MT	4	6	6	5	4	MH	SF	6	6																		

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent	T - Tall	SF - Semi-Flex	H - High	6 - Long	6 - Girthy
5 - Very Good	MT - Medium Tall	F - Flex	MH - Medium High	5 - Medium Long	5 - Medium Girthy
4 - Good	M - Medium	SD - Semi-Determinate	M - Medium	4 - Medium	4 - Medium
3 - Average	MS - Medium Short	D - Determinate	ML - Medium Low	3 - Medium Short	3 - Medium Slender
2 - Fair	S - Short	NR - Not Recommended	L - Low	2 - Short	2 - Slender
1 - Poor					

24ex103 Trecepta RIB - Experimental

New hybrid for 2024 with great flex

- Medium statured plant with ability to excel on all soil types
- Excellent drought tolerance
- Low green snap risk
- Very good test weight

24ex105 TRECEPTA RIB - Experimental

Full flex ear hybrid that has a wide range of soil adaptability

- Excellent dry down
- Excellent leaf blight and Goss's wilt tolerance
- Excellent emergence and seedling vigor

23A6 TRECEPTA RIB

Short statured hybrid with very strong stalks and roots

- Handles lower populations
- Excellent drydown
- Well balanced disease ratings
- Very good plant and seedling vigor

Above Ground Insects

HARVEST								DISEASE TOLERANCE				
	Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthrachnose Stalk Rot	Goss Wilt	Physoderma Node Breakage
16-18	5	5	4	5	4	4	5	5	5	5	5	24ex103 Trecepta RIB
16-18	5	4	4	5	4	4	5	5	5	5	5	24ex105 Trecepta RIB
16-18	6	5	3	5	4	5	3	NR	4	4	5	23A6 Trecepta RIB
16-18	6	4	3	5	4	4	3	NR	4	4	5	24ex107 Trecepta RIB
18-22	4	5	6	5	4	5	4	NR	4	5	5	22A8 Trecepta RIB

Sunstar Corn Varieties

Experimental

Experimental

Experimental

Trecepta® Technology

Trecepta® Technology helps reduce yield loss by protecting your corn crop from a wide range of above-ground pests. Built on the proven VT Double PRO® Technology, Trecepta Technology gives you more complete control against corn borers (European and southwestern), fall armyworm, western bean cutworm, black cutworm and corn earworm.

*3 modes of action from proteins Cry1A.105, Cry2Ab2 and Vip3Aa20
1 Cry1A.105 and Cry2Ab2 from B.t. controls or suppresses corn earworm

*Control weeds with glyphosate applications

24ex107 TRECEPTA RIB - Experimental

Shorter plant with strong stalks and ears

- Semi flex ear allows lower populations
- Great late season intactness
- Excellent drydown

22A8 TRECEPTA RIB

Major yielder and impressive in every category! The next level of above ground protection is here.

- Enormously long girthy ears
- Big wide leaves
- Medium height with strong stalks and roots to go with it
- Excels on rotated acres
- Can handle higher populations
- Responds very well to fungicide



Quality - Intelligence - Culture

Financing available thru







VT Double PRO® RIB Complete® corn
treated with Acceleron 250



Clean fields. Bigger yields. Easy decision.

Advanced trait technology for exceptional weed and above-ground pest control.

3 modes of action

Primary Pest Controlled	PowerCore® Enlist® corn	VT Double PRO® corn
 Black cutworm	✓	NONE
 European corn borer	✓✓✓	✓✓
 Fall armyworm	✓✓✓	✓✓
 Southwestern corn borer	✓✓✓	✓✓

Checkmarks represent number of modes of action for control over specified pest.

Product overview

- Exceptional broad-spectrum protection against above-ground pests
- Stacked with the Enlist® corn trait for multiple sites of action against tough weeds

Farmer benefits

- Insect control against black cutworm, fall armyworm, European and southwestern corn borers, and corn earworm
- Herbicide flexibility with the Enlist® weed control system, which offers tolerance to 2,4-D choline in Enlist® herbicides
- Enlist weed control system provides a whole-farm solution across corn, soybean and cotton acres

Refuge requirements



- **Corn Region:** 5% separate, structured refuge
- **Cotton Region:** 20% separate, structured refuge



- **Corn Region:** 5% integrated refuge included in the bag
- **Cotton Region:** 20% additional separate, structured refuge

How does PowerCore® trait technology stack up?

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Why PowerCore® Enlist® corn?

Protection against black cutworm, corn earworm, European corn borer, fall armyworm and southwestern corn borer

Tolerance to 4 herbicides, plus tank-mix flexibility

Available in genetics specifically for our area



PRODUCT				MANAGEMENT		PLANTING		GROWTH										SOIL			
	Sunstar Corn Varieties	Relative Maturity (Days)	GDUS to Black Layer	Population Range	High Population Tolerance	Emergence	Early Plant Vigor	Root Strength	Stalk Strength	Drought Tolerance	Green Snap	Plant Height	Stay Green	Loam	Clay	Sand	Fall Appearance	Ear Height	Ear Type	Ear Length	Ear Girth
24ex103 PC Enlist	102-104	2445	26-38K	6	6	6	5	6	5	5	T	6	5	6	5	5	MH	SF	4	5	
24ex105 PC Enlist	104-106	2573	28-34K	5	5	5	4	6	5	6	MT	6	5	5	4	6	MH	SF	5	5	
24A8 PC Enlist	107-109	2572	28-38K	6	6	6	5	5	5	6	M	6	6	6	6	6	M	F	6	5	

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent	T - Tall	SF - Semi-Flex	H - High	6 - Long	6 - Girthy
5 - Very Good	MT - Medium Tall	F - Flex	MH - Medium High	5 - Medium Long	5 - Medium Girthy
4 - Good	M - Medium	SD - Semi-Determinate	M - Medium	4 - Medium	4 - Medium
3 - Average	MS - Medium Short	D - Determinate	ML - Medium Low	3 - Medium Short	3 - Medium Slender
2 - Fair	S - Short	NR - Not Recommended	L - Low	2 - Short	2 - Slender
1 - Poor					

24ex103 PowerCore Enlist - Experimental

Tall agronomic powerhouse

- Excellent stalks and roots
- Excellent emergence
- Tar spot master
- Super fast drydown
- Top end yielder when planted in medium-high to high populations with high management

24ex105 PowerCore Enlist - Experimental

High test weight stud with unmatched disease package

- Excellent tar spot, leaf blight and Goss wilt ratings
- Long girthy ears with very high test weight
- An early option for silage

Above Ground Insects

HARVEST												DISEASE TOLERANCE	
	Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthracnose Stalk Rot	Goss Wilt	Physoderma Node Breakage	Sunstar Corn Varieties
16-20	4	4	5	4	5	6	4	5	4	4	6	24ex103 PC Enlist	Experimental
16-18	4	5	6	6	5	6	5	5	5	6	6	24ex105 PC Enlist	Experimental
18-20	4	5	6	5	5	6	6	5	5	5	6	24A8 PC Enlist	NEW



Quality - Intelligence - Culture

Financing available thru



VT Double PRO® RIB Complete® corn treated with Acceleron 250

The Enlist® corn trait allows for the ultimate weed management flexibility with tolerance to glyphosate, glufosinate, 2,4-D choline, and FOP herbicides in corn. Enlist® herbicides stay on target and have lower volatility than both dicamba and traditional 2,4-D formulations. Use Enlist herbicides to control late season emerged broadleaf weeds such as waterhemp and Palmer amaranth.

24A8 PowerCore Enlist - New

New for 2024....You'll need an extra bin for this full flex ear

- Excellent vigor and emergence
- Excellent tar spot defense
- Impressive look for the entire season
- Strong stalks for late season harvest
- Expect superior yields when planted at medium populations in medium to high yielding environments



PROVEN IN THE FIELD. REFLECTED IN THE YIELD.

Stay true to your roots with SmartStax®
RIB Complete® corn blend

SmartStax®
RIB COMPLETE®

DAMAGED ROOT
15%-34% Yield Loss
Root Damage by CRW



The best way to minimize the risk of devastating crop damage is to maximize control of corn rootworm below ground, while protecting against above-ground pests. SmartStax® RIB Complete® corn blend delivers two modes of action for corn rootworm proven to provide the broadest spectrum of defense in your field and the most complete protection for your yield.

WHAT SETS SMARTSTAX® RIB COMPLETE® CORN BLEND APART:

- **Broad spectrum of insect control** with two, proven highly effective modes of action against corn rootworm and the technology provides above- and below-ground insect control
- Maximize control of corn rootworm, the pest that can cost farmers more than \$1 billion annually in loss of yield potential and cost of control
- Built-in herbicide resistance technologies can help the plant withstand glyphosate and glufosinate herbicide applications to prevent weeds from robbing plants of the nutrients and water they need

EXCEPTIONAL ABOVE- AND BELOW-GROUND PROTECTION

Unique modes of action give corn plants the protection they need against major pests that can inflict serious crop damage.

QUANTIFYING THE DAMAGE

Root damage is primarily caused by CRW larval feeding. Every root node nibbled by larvae results in a yield loss of approximately 15%.¹ In addition, root lodging can impede harvesting, further reducing grain yield by 15%-34%.²



CORN ROOTWORM
(NORTHERN & WESTERN)



EUROPEAN CORN BORER



SOUTHWESTERN
CORN BORER



CORN EARWORM



FALL ARMYWORM



BLACK CUTWORM

1. Journal of Applied Entomology 137 (2103): Validation of a nested error component model to estimate damage cause by corn rootworm larvae. N.A.Tinsley, R.E.Estes & M.E.Gray

2. Spike BP, Tolleson JJ, 1991. Yield response of corn subjected to western corn rootworm (Coleoptera:Chrysomelidae) infestation and lodging. J. con. Entomol. 84, 1585-1590.

3. Commodity Price \$3.25/ac, Source: Kynetec TraitTrak Data, 2016

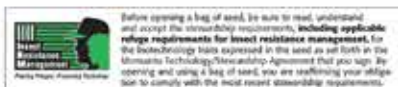
See how our yield and profit potential stacks up against
other trait options at Genuity.com/Compare

COMPARE YOUR CORN ROOTWORM PROTECTION OPTIONS



View more in-depth
product comparisons at
Genuity.com/Compare

	Dual Modes-of-Action products for corn rootworm			Single Mode-of-Action products for corn rootworm	
CORN-GROWING AREA	SmartStax [®] RIB Complete [®] Corn Blend ¹	Orome [®]	Optimum [®] AcreMax [®] XTreme [®]	VT Triple PRO [®] RIB Complete [®] Corn Blend ¹	Optimum [®] AcreMax [®] Xtra [®]
PRIMARY PESTS					
Corn Rootworm (Northern & Western)	**	**	**	*	*
European Corn Borer	***	**	**	**	**
Southwestern Corn Borer	***	**	**	**	**
Corn Earworm ^{2,4}	**			**	
Fall Armyworm	***	*	*	**	*
Black Cutworm	*	*	*		*
HERBICIDE TOLERANCE					
	Roundup Ready [®] 2 Technology/LibertyLink [®]	Roundup Ready [®] Corn 2/LibertyLink [®]	Roundup Ready [®] Corn 2/LibertyLink [®]	Roundup Ready [®] 2 Technology	Roundup Ready [®] Corn 2/LibertyLink [®]
REFUGE (Corn-Growing Area)					
	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag	10% Refuge-in-a-Bag	10% Refuge-in-a-Bag
REFUGE EXAMPLE (Corn-Growing Area)					
					



Modes of action equal control of pest

*** Triple-mode activity ** Dual-mode activity * Single-mode activity

SmartStax[®] RIB Complete[®], Orome[®] and Optimum[®] AcreMax[®] XTreme[®] are corn seed blends of 95% Bt seed and 5% non-Bt seed. Pioneer claims suppression of corn earworm on the Optimum[®] AcreMax[®] XTreme[®] and Optimum[®] AcreMax[®] Xtra labels. Genuity[®] VT Triple PRO[®] RIB Complete[®] and Optimum[®] AcreMax[®] Xtra are corn seed blends of 90% Bt seed and 10% non-Bt seed. Cry1A.105 and Cry1Ab2 from Bt controls or suppresses corn earworm.

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PRODUCT				MANAGEMENT		PLANTING			GROWTH							SOIL																											
Sunstar Corn Varieties				Relative Maturity (Days)		GDUS to Black Layer		Population Range		High Population Tolerance		Emergence		Early Plant Vigor		Root Strength		Stalk Strength		Drought Tolerance		Green Snap		Plant Height		Stay Green		Loam		Clay		Sand		Fall Appearance		Ear Height		Ear Type		Ear Length		Ear Girth	
20A1 SSRIB	100-102	2520	28-34K	4	5	5	5	5	4	5	M	4	6	6	5	4	M	F	4	6																							
20A4 SSRIB	103-105	2485	28-36K	5	6	4	4	5	4	4	M	4	6	6	6	4	M	SF	4	5																							
22A6 SSRIB	105-107	2600	28-36K	5	5	6	4	5	6	4	M	5	6	6	6	5	M	SD	5	5																							
23A9 SSRIB	108-110	2690	28-36K	5	5	4	4	5	4	4	M	4	6	5	4	5	M	SD	5	5																							
23A10 5122 E-Z DURACADE	109-111	2675	28-36K	5	6	6	5	6	4	5	MT	4	6	6	6	5	ML	SF	5	5																							
18A11 SSRIB	110-112	2760	32-36K	5	5	6	5	4	4	3	MT	4	6	6	5	5	M	SD	5	5																							

LEGEND

Rating Scale	Plant Height	Ear Type	Ear Height	Ear Length	Ear Girth
6 - Excellent 5 - Very Good 4 - Good 3 - Average 2 - Fair 1 - Poor	T - Tall MT - Medium Tall M - Medium MS - Medium Short S - Short	SF - Semi-Flex F - Flex SD - Semi-Determinate D - Determinate NR - Not Recommended	H - High MH - Medium High M - Medium ML - Medium Low L - Low	6 - Long 5 - Medium Long 4 - Medium 3 - Medium Short 2 - Short	6 - Girthy 5 - Medium Girthy 4 - Medium 3 - Medium Slender 2 - Slender

20A1 SSRIB

Full flex 101 day with SmartStax® traits, finished in the top 20% of the field against mid and late maturity hybrids

- Widely adaptable to all soils
- Very impressive ears
- Responds very well to fungicide

20A4 SSRIB

Dominant mid/early hybrid corn for the midwest

- Excellent emergence
- Large ear
- Very good test weight
- Leader of the pack in mid-early maturity corn trials.
- Will handle tougher soils

22A6 SSRIB

106 day SmartStax that will run with the late maturities

- Supreme yield on productive acres
- Great emergence and seedling vigor
- Excellent drydown for fall harvest

Above and Below Ground Insects

HARVEST								DISEASE TOLERANCE				
Kernels	Dry Down	Test Weight	Silage	Northern Corn Leaf Blight	Gray Leaf Spot	Tar spot	Common Rust	Corn After Corn with Fungicide	Anthracnose Stalk Rot	Goss Wilt	Physoderma Node Breakage	Sunstar Corn Varieties
18-20	5	4	5	4	4	4	5	4	4	4	5	20A1 SSRIB
16-18	4	5	4	5	4	4	4	5	4	4	3	20A4 SSRIB
18-20	6	4	4	5	4	4	3	6	5	4	4	22A6 SSRIB
16-18	6	5	6	4	4	5	5	6	5	5	5	23A9 SSRIB
16-18	5	6	5	6	6	6	3	6	5	5	6	23A10 5122 E-Z DURACADE
16-18	4	6	4	5	4	4	4	6	4	4	4	18A11 SSRIB



Quality - Intelligence - Culture

Financing available thru



All SmartStax RIB Complete® corn treated with Poncho/Votivo 500®

SMARTSTAX® RIB COMPLETE® CORN BLEND

For high yield potential, get the control that SmartStax® RIB Complete® corn blend delivers. By offering two built-in modes of action, it can deliver maximum control of corn rootworm, the Billion Dollar Bug. Plus, it's a RIB Complete® brand corn blend, which means refuge compliance for the Corn-Growing Area is easier than ever.

Controls Above- And Below-ground Insects

SmartStax® RIB Complete® corn blend has the broadest spectrum of insect control on the market — with Roundup Ready® 2 Technology and LibertyLink® Herbicide Tolerance for broad spectrum weed control.

5 Modes of Action to Combat Above and Below Ground Pests

Roots stay protected as corn grows thanks to two modes of action working against corn rootworm.

Additional modes of action give corn plants the above-ground protection they need against major pests that can inflict serious crop damage

HERBICIDE TOLERANCE

LIBERTYLINK®

Glufosinate Tolerance

ROUNDUP READY® 2 TECHNOLOGY

Glyphosate Tolerance

23A9 SSRIB

High test weight , great disease package and a top end yielder

- Very strong stalks and roots
- Great test weight
- Handles disease well
- Very good tar spot defense

23A10 5122 E-Z DURACADE - New

Big yielding hybrid that has it all... Disease package, adaptability, high test weight and tar spot defense

- Excellent tolerance to Tar Spot
- Thrives in less productive soils as well as highly productive soils or irrigation.
- Very high test weight

18A11 SSRIB

SmartStax version of the 2018 launched all-star that continues to impress, with consistent yields and standability

- Excellent test weight
- Medium tall hybrid with large ears and strong roots
- Great defense (especially to leaf blight)
- Excellent intactness

WWW.SUNSTARHYBRIDS.COM

Suncoat II Complete



ACTIVE COMPONENTS

- 2 - Fungicides
- 1 - Insecticide
- 1 - Inoculant

TARGETED INSECTS

Aphids
Seed Corn Maggot
Chinch Bug
Flea Beetle
Bean Leaf Beetle
Hessian Fly
Leafhopper
Thrips
Whitefly
White Grub
Wireworm

DISEASES CONTROLLED

Damping off Fungi
Aspergillus Seed Rot
Fusarium Seed Rot
Penicillium Seed Rot
Rhizoctonia Seed Rot
Seedling Blight
Pythium Seed Rot
Phytophthora
Downy Mildew Fungi

All new **Suncoat II Complete** seed treatment has been formulated to best protect against the most damaging diseases and pest pressures in the states of Indiana, Michigan, and Ohio. The systemic formulations provide protection by root and shoot absorption while the non-systemic formulations provide maximum protection of the seed coat itself. The insecticide is a systemic formulation that reduces the incidence of various diseases by controlling insect vectors. Maximum rates have been applied to achieve the longest length of control to maximize performance. The first of two fungicides is a broad-spectrum non-systemic fungicide that is extremely effective against seed decay and damping off fungi while defending very well against seedling blight and various other seedborne fungi. The second fungicide is a narrow-spectrum systemic fungicide that focuses mainly on Pythium, Phytophthora, and downy mildew fungi. Lastly is the Excalibre-SA™ inoculant for soybeans which has been shown to increase plant stand, improve seedling vigor, accelerate canopy closure, and improve nutrient and water efficiency. The benefits found in Excalibre-SA™ for Soybeans have proven yield advantages. Farmers taking advantage of the ease of inoculating their seed with Excalibre-SA™ for Soybeans have enjoyed a 2.8 bu/a yield increase. Since 2009, growers have even reported yield increases of over 6 bu/a!

Six things to consider when it comes to seed treatment...

- *Farmers with poorly drained or no-tilled fields, continuous-soybean or soybean-corn rotations and history of replanting are the most likely to see the added benefit of using a seed treatment, according to The Ohio State University.
- *When spring conditions are cool and wet and when planting occurs in late April to early May, seed-treatment fungicides are an effective tool, according to Shawn Conley, soybean extension specialist at the University of Wisconsin-Madison.
- *The use of seed treatment is most impactful in fields with a history of post-planting problems, such as minor soil crusting, temporary flooding, soil compaction or poorly drained soils, according to the University of Kentucky. Treatments are also useful when farmers use low seeding rates and when farmers plant seed with a moderate germination rate or when the germination rate is unknown.
- *Using a fungicide treatment on soybean seeds will increase the probability of achieving a satisfactory stand and will enhance the early-season vigor of established seedlings, according to the Mississippi Soybean Promotion Board.
- *With the increase in cost of seed, many farmers don't want to overplant. As a result, according to the University of Wisconsin-Madison, some are decreasing their seeding rate and using the money they save on seed treatments instead.
- *Fungicide seed treatments showed an average yield increase of 2.5 bushels per acre over an eight-year period, according to Kansas State University Research and Extension.

Suncoat II Complete is being offered at very competitive pricing. See your Sunstar Hybrids representative for details.



ENLIST® WEED CONTROL SYSTEM— PROVEN CONTROL OF TOUGH WEEDS

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 Enlist® crops.

SOYBEANS 2,4-D choline | Glyphosate | Glufosinate

CORN 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

On-Target Application

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





1.9-2.7 Relative Maturity

Enlist E3® Soybeans

PRODUCT							PRODUCTION			DISEASE / PEST							
Sunstar Soybean Varieties	Additional Trait	Relative Maturity (days)	Emergence	Standability	Soybean CYST Nematode	Phytophthora Resistance	Phytophthora Field Tolerance	White Mold	Sudden Death Syndrome	Brown Stem Rot	Iron Chlorosis	Stress Tolerance	Plant Height	Plant Type	Flower Color	Pubescence Color	
2003 E3		1.9-2.1	5	5	R3-MR14	Rps 1c	4	4	5	R	4	5	MT	MTB	Purple	Gray	
2023 E3	PEKING	2.1-2.3	5	4	P	Rps 1k	4	4	4	S	3	4	M	MTB	Purple	Gray	
2043 E3	PEKING	2.3-2.5	6	5	P	Rps 1k	4	4	5	S	3	5	MT	MB	Purple	Gray	
2463 E3	PEKING	2.5-2.7	5	5	P	Rps 1k	4	4	4	MR	6	5	MT	MTB	Purple	Gray	

LEGEND

Rating Scale	Phytophthora Tolerance	Soybean Nematode	Brown Stem Rot	Plant Height
6 - Excellent 5 - Very Good 4 - Good 3 - Average 2 - Fair 1 - Poor	Rps 1a - Resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32 & 36 Rps 1c - Resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34 & 36 Rps 1k - Resistance to Races 1-11, 13-15, 17, 18, 21-24, 26, 36 & 37 NG - No Gene	R - Resistant MR - Moderately Resistant S - Susceptible P - Peking # - Race 1, 3, 5, 9 or 14	R - Resistant MR - Moderately Resistant MS - Moderately Susceptible S - Susceptible	T - Tall MT - Medium Tall M - Medium
Plant Type B - Bush (abundant side branching) MB - Medium Bush (substantial side branching) MTB - Medium Thin Bush (some side branching) TB - Thin Bush (seldom side branching)				

2003 E3

Early bird gets the worm, or in this case... bushels

- This early group II has brown stem rot resistance
- Great emergence and standability
- RPS 1c Phytophthora gene

2023 E3

An excellent early group II Peking line

- Bushel stuffing double crop bean with a solid defense package
- Know to lead the pack in SDS tolerance from time to time



Quality - Intelligence - Culture

Financing available thru



PLANT / SEED CHARACTERISTICS

Hilum Color		Pod Color		Sunstar Soybean Varieties
Imp. Black	Tan	RR, LL, 2-4D	Herbicide Tolerance	
Imp. Black	Tan	RR, LL, 2-4D		2003 E3
Buff	Tan	RR, LL, 2-4D		2023 E3
Buff	Tan	RR, LL, 2-4D		2043 E3
Buff	Tan	RR, LL, 2-4D		2463 E3

NEW

Increase soybean yields by growing varieties with SCN resistance other than PI 88788

Growing soybean varieties with a source of SCN resistance other than PI 88788 can increase yields as a result of better nematode control. For example, soybean varieties with the Peking source of SCN resistance yielded 22 bushels per acre more than varieties with PI 88788 SCN resistance in an experiment conducted by ISU in southeast Iowa in 2019. The increased yields correlated with much better control of SCN reproduction. End-of-season SCN egg densities with Peking varieties averaged 800 eggs per 100 cm³ of soil whereas egg densities with PI 88788 varieties averaged 14,400 eggs per 100 cm³.

Soybean farmers appear to be getting the message that they must manage soybean cyst nematode (SCN) resistance to avoid yield losses.

DECATUR, Ill. (DTN) A 2020 survey showed that 49% are now rotating sources of genetic SCN resistance. Of those farmers rotating genetic sources, 25% identified Peking as their alternative source of SCN resistance.

2043 E3

Mid Group II Peking line that will torch your medium to better soils

- Plant on medium to better soils to get maximum yields out of this variety
- Brown stem rot resistant
- Excellent emergence and very good standability
- All around bean to be used for regular season planting or double crops

2463 E3 - New

"Ever faithful ever true" Our first Peking line and it is still keeping pace with the young guns

- Medium tall workhorse
- Excellent IDC tolerance
- Will handle less desirable and lighter soils
- Very good standability and emergence



2.7-3.3 Relative Maturity

Enlist E3[®] Soybeans

PRODUCT						PRODUCTION				DISEASE / PEST							
Sunstar Soybean Varieties	Additional Trait	Relative Maturity (days)	Emergence	Standability		Soybean CYST Nematode	Phytophthora Resistance	Phytophthora Field Tolerance	White Mold	Sudden Death Syndrome	Brown Stem Rot	Iron Chlorosis	Stress Tolerance	Plant Height	Plant Type	Flower Color	Pubescence Color
2383 E3	PEKING	2.7-2.9	6	5	P	Rps 1k	6	5	4	R	4	6	M	MB	Purple	Gray	
3203 E3		2.9-3.1	6	6	R3-MR14	Rps 1c	5	4	4	MR	5	6	MT	MB	White	Gray	
3413 E3		3.0-3.2	6	6	R3-MR14	Rps 1c	5	4	5	MR	5	6	MT	MTB	White	Gray	
3423 E3	PEKING	3.1-3.3	6	5	P	Rps 1k	5	5	5	R	5	6	MT	MTB	Purple	Lt. Tawny	

LEGEND

Rating Scale	Phytophthora Tolerance	Soybean Nematode	Brown Stem Rot	Plant Height
6 - Excellent 5 - Very Good 4 - Good 3 - Average 2 - Fair 1 - Poor	Rps 1a - Resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32 & 36 Rps 1c - Resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34 & 36 Rps 1k - Resistance to Races 1-11, 13-15, 17, 18, 21-24, 26, 36 & 37 NG - No Gene	R - Resistant MR - Moderately Resistant S - Susceptible P - Peking # - Race 1, 3, 5, 9 or 14	R - Resistant MR - Moderately Resistant MS - Moderately Susceptible S - Susceptible	T - Tall MT - Medium Tall M - Medium
Plant Type				
B - Bush (abundant side branching) MB - Medium Bush (substantial side branching) MTB - Medium Thin Bush (some side branching) TB - Thin Bush (seldom side branching)				

2383 E3

Get your hard hat and work boots, because this Peking bean will go to work for you

- Late group II peking beast!
- Stem Canker Resistant
- Very good SDS and White Mold
- Brown Stem Rot resistant
- Excellent emergence

3203 E3

Slay your acres with this early group 3 monster!

- #1 E3 soybean in midwest trials 2 years running
- Undeniable yield
- Excellent Frogeye and IDC tolerance
- Excellent emergence and standability
- Finished ahead of Xtendflex competition in 94% of tests



Quality - Intelligence - Culture

Financing available thru



PLANT / SEED CHARACTERISTICS				
Hilum Color		Pod Color		Sunstar Soybean Varieties
Imp. Black	Tan	RR, LL, 2-4D	RR, LL, 2-4D	
Buff	Brown	RR, LL, 2-4D	RR, LL, 2-4D	2383 E3
Buff	Brown	RR, LL, 2-4D	RR, LL, 2-4D	3203 E3
Buff	Brown	RR, LL, 2-4D	RR, LL, 2-4D	3413 E3
Black	Brown	RR, LL, 2-4D	RR, LL, 2-4D	3423 E3

NEW

NEW

Enlist E3[®] soybeans offer robust tolerance to 2,4-D choline, glufosinate and glyphosate.

This allows farmers to use multiple modes of actions to obtain effective weed control while minimizing the potential for the development of resistant weeds. Enlist E3[®] soybeans provide the benefits of tolerance to in-crop applications of Enlist Duo[™] herbicide and other herbicide products to reduce weed competition.

Enlist E3[®] soybeans allow growers to use alternate modes of action to manage hard-to-control and resistant weeds as part of the management practices for Enlist E3[®] soybeans.



3413 E3 - New

Medium Tall plant with upright style

- We dare you to put this in a head to head!
- Solid defense to (Cercospora, Charcoal Rot, Frogeye, White Mold and Iron Chlorosis)
- Stem Canker resistant
- We launched this line for the simple reason that it led all high yielding lines from a 2.7 to 3.1 for 2021 and 2022

3423 E3 - New

Peking Lines....Welcome to the Group 3's

- Finally a Peking option in a moderate group 3 maturity
- High stress bean with a Peking package
- Brown Stem Rot and Stem Canker resistant
- Very high SDS



3.3-4.0 Relative Maturity

Enlist E3® Soybeans

PRODUCT							PRODUCTION		DISEASE / PEST																			
Sunstar Soybean Varieties							Soybean CYST Nematode		Phytophthora Resistance		Phytophthora Field Tolerance		Sudden Death Syndrome		Brown Stem Rot		Iron Chlorosis		Stress Tolerance		Plant Height		Plant Type		Flower Color		Pubescence Color	
Additional Trait	Relative Maturity (days)	Emergence	Standability																									
3143 E3		3.3-3.5	4	6	R3-MR14	Rps 1c	3	4	4	S	3	6	MT	B	Purple	Lt. Tawny												
3453 E3		3.4-3.6	6	6	R3-MR14	NG	5	4	3	R	4	6	MT	MB	Purple	Gray												
3073 E3		3.6-3.8	6	6	R3-MR14	NG	4	4	3	R	4	6	MT	MB	Purple	Gray												
3393 E3		3.8-4.0	5	5	R3, MR14	Rps 1k	5	4	4	R	4	6	MT	B	Purple	Gray												

LEGEND

Rating Scale	Phytophthora Tolerance	Soybean Nematode	Brown Stem Rot	Plant Height
6 - Excellent 5 - Very Good 4 - Good 3 - Average 2 - Fair 1 - Poor	Rps 1a - Resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32 & 36 Rps 1c - Resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34 & 36 Rps 1k - Resistance to Races 1-11, 13-15, 17, 18, 21-24, 26, 36 & 37 NG - No Gene	R - Resistant MR - Moderately Resistant S - Susceptible P - Peking # - Race 1, 3, 5, 9 or 14	R - Resistant MR - Moderately Resistant MS - Moderately Susceptible S - Susceptible	T - Tall MT - Medium Tall M - Medium
Plant Type				
B - Bush (abundant side branching) MB - Medium Bush (substantial side branching) MTB - Medium Thin Bush (some side branching) TB - Thin Bush (seldom side branching)				

3143 E3

The acre taker!! Give your acres to this bean... you won't be sorry. Combines top end yield with defense

- Medium tall variety with Profuse side branching
- Excellent lodging scores with excellent emergence
- High end yielder with strong defense
- Excellent PRR tolerance
- Stem Canker resistant

3453 E3 - New

New and improved. Replacing the former 3.5 (3953 E3) This well rounded hybrid increases yield and defense

- Perfect balance of offense and defense
- Brown stem rot resistant
- Will handle your lighter soils when other beans won't



Quality - Intelligence - Culture

Financing available thru



PLANT / SEED CHARACTERISTICS				
	Hilum Color	Pod Color	Herbicide Tolerance	Sunstar Soybean Varieties
Black	Tan	RR, LL, 2-4D		3143 E3
Imp. Black	Tan	RR, LL, 2-4D		3453 E3
Imp. Black	Tan	RR, LL, 2-4D		3073 E3
Imp. Black	Tan	RR, LL, 2-4D		3393 E3

NEW

Enlist E3® soybeans offer robust tolerance to 2,4-D choline, glufosinate and glyphosate.

This allows farmers to use multiple modes of actions to obtain effective weed control while minimizing the potential for the development of resistant weeds. Enlist E3® soybeans provide the benefits of tolerance to in-crop applications of Enlist Duo™ herbicide and other herbicide products to reduce weed competition. Enlist E3® soybeans allow growers to use alternate modes of action to manage hard-to-control and resistant weeds as part of the management practices for Enlist E3® soybeans.



3073 E3

Late group III with lots to offer

- Medium-tall variety with very good lodging
- Medium bushy plant with very good PRR tolerance
- Excellent standability, emergence, and stress tolerance

3393 E3

Late but not forgotten. Wraps up the group III's in style

- Profuse side branching on this bushy monster
- Stem Canker resistant
- Brown Stem Rot resistant
- Moderate resistance to Frogeye• Known for packing on top pod clusters



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.

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

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.

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

PCE – PowerCore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products.

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.



Think Before You Bin Run



Verification Required The last patent on the original Roundup Ready® soybean trait expired a few years ago and U.S. farmers may legally plant saved seed from some varieties of soybean containing the Roundup Ready® soybean trait. However, it is important that you check with your seed supplier to determine if a specific Roundup Ready® soybean variety is covered by other intellectual property rights, and if so, the policy for saving seed of that variety.

Higher Seeding Rate A higher seeding rate may be required for bin-run Roundup Ready® soybeans compared to new branded seed.

Yield Loss Roundup Ready 2 Yield®, Roundup Ready 2 Xtend® and XtendFlex® soybean varieties typically have a higher yield opportunity than Roundup Ready® soybean varieties.

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

Seed Treatment Costs Treating your seed will add costs—both the cost of the treatment and the application of that treatment.

Lost Income Every bushel of saved seed you plant is a bushel you're not selling as commodity grain.

Increased Seed Management If you plan to save and bin-run Roundup Ready® soybeans for planting, you will have to manage your harvest operations and grain storage so that the seed isn't co-mingled with other seed that's covered by intellectual property rights.

High Value of New Branded Seed

LATEST TECHNOLOGY

- // High-yielding soybean technologies
- // Better variety options
- // Leading seed treatment options

CUSTOMER SERVICE

- // Dealer agronomic support before and after the sale
- // Replant policy support
- // Convenient packaging and delivery

RELIABLE GERMINATION AND QUALITY

- // Rigorously tested and meets U.S. Federal Seed Act requirements
- // Free of seed-borne diseases
- // Properly stored and conditioned



Find the complete bin run statement on our website.

LIBERTY LINK

Roundup Ready 2
TECHNOLOGY

Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Ignite® herbicide for optimum yield and excellent weed control. LibertyLink®, Ignite® and the Water Droplet logo are registered trademarks of Bayer.

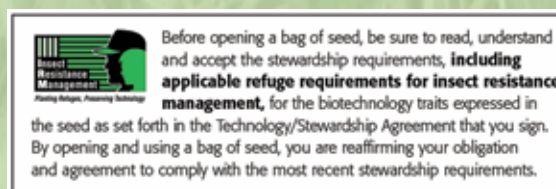
Seed containing the XtendFlex® traits can only be used to plant a single commercial crop. It is unlawful to save and replant XtendFlex® soybeans. Additional information and limitations on the use of this product are provided in the Technology/Stewardship Agreement and the Bayer Technology Use Guide: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

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. B.t. products may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

Refuge seed may not always contain the DroughtGard® trait. IMPORTANT IRM INFORMATION: Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Acceleron®, DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready®, SmartStax®, Trecepta® and VT Double PRO® are registered trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. LibertyLink logo® and LibertyLink® are trademarks of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.



ACCELERON
SEED APPLIED SOLUTIONS

SunStar Hybrid Wheat

S-1400

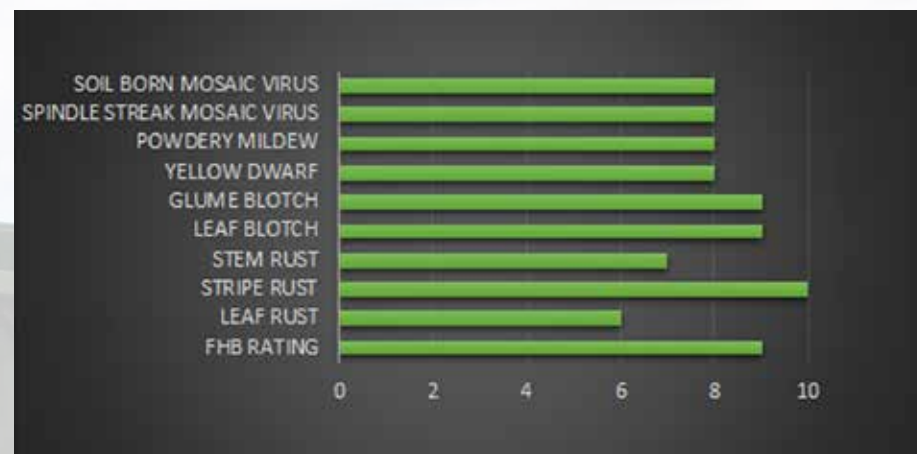
Variety Highlights

- Medium / Early awnless variety
- Leading yielder in KY, IN and OH trials
- Outstanding Head Scab
- Top notch test weight
- Excellent Stripe Rust

Agronomic Features

Head Type	Awnless
Plant Maturity	Medum / Early
Test Weight	Excellent
Plant Height	36"
Straw Strength	Very Good

Disease Resistance



S-1500

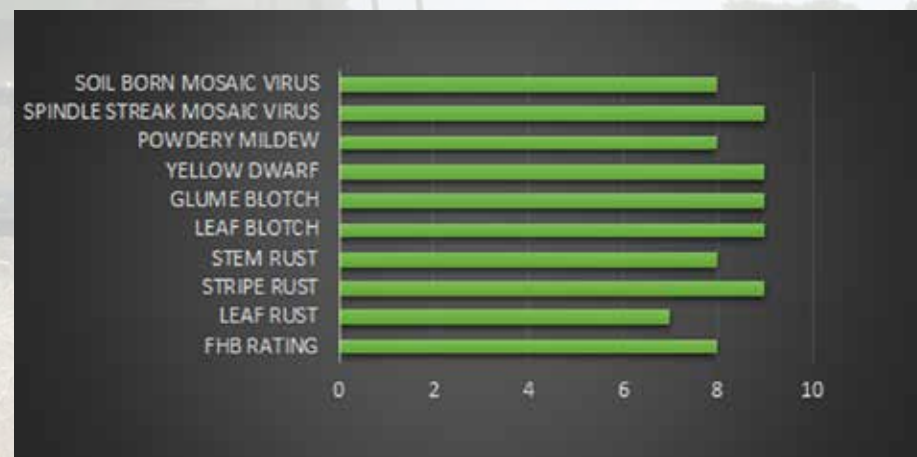
Variety Highlights

- Medium / Early variety with very high yielding potential
- Profuse tillering
- Very thick head
- Scab Resistant
- Very good test weight

Agronomic Features

Head Type	Bearded
Plant Maturity	Medum / Early
Test Weight	Very Good
Plant Height	37"
Straw Strength	Very Good

Disease Resistance





Quality - Intelligence - Culture

Rating Scale 10=Best / 1=Worst

S-1700

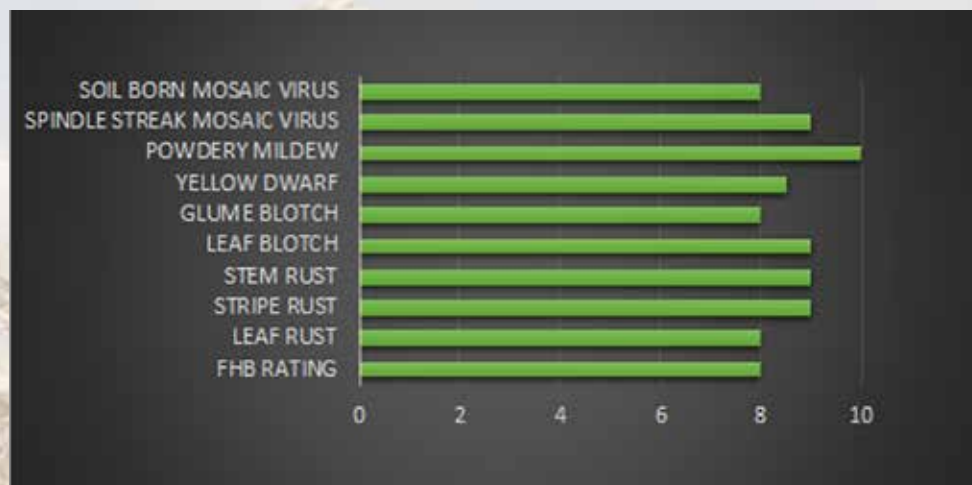
Variety Highlights

- Medium / late variety with all the bells and whistles
- Wide soil adaptability
- Very thick head
- #1 in Midwest trials two years and running
- Leading product for 2022 / 2023

Agronomic Features

Head Type	Bearded
Plant Maturity	Medum / Late
Test Weight	Excellent
Plant Height	36.5"
Straw Strength	Excellent

Disease Resistance





Focus On The Facts: Choose the Only Proven Winner Against Both SDS and Nematodes

For over five years and counting, ILEVO® seed treatment has delivered powerful, proven protection against two of the biggest threats to soybean yields: Sudden Death Syndrome (SDS) and Soybean Cyst Nematode (SCN).

Let's focus on the facts to empower soybean growers to continue to win against both of these damaging pests.

ILEVO Seed Treatment Delivers Powerful, Proven Performance Against SDS and Nematodes

Year After Year, ILEVO Seed Treatment Delivers the Consistent, Proven Results Customers Rely On

4.6 bu/A
average yield
increase

84%
win rate

381
comparisons

Based on ten years of internal and external trial data from 2011-2020 with comparison to fungicide/ insecticide base, ILEVO seed treatment applied at 0.15 mg ai/seed.

"We will continue to use ILEVO. It's the industry standard for soybean cyst nematode and sudden death combination."

"When we use ILEVO seed treatment, we allow the field to express its full yield potential."

Source: US soybean growers and dealers; Endorser details available upon request.



To learn more about crop
protection products from BASF,
visit www.agproducts.basf.us

Always read and follow label directions.

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syngenta

SDS PROTECTION. UPGRADED.

As a soybean grower, you know the devastation Sudden Death Syndrome (SDS) can cause, and you have had limited choices to protect against it. **Until now, that is.**

Heavily infected fields can experience **yield reductions as high as 50%.**

SDS causes losses of more than **25 million bushels annually in the U.S.¹**

THE IMPACT OF SDS





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