

***NATIONAL BRAND.***  
***LOCALLY OWNED.***



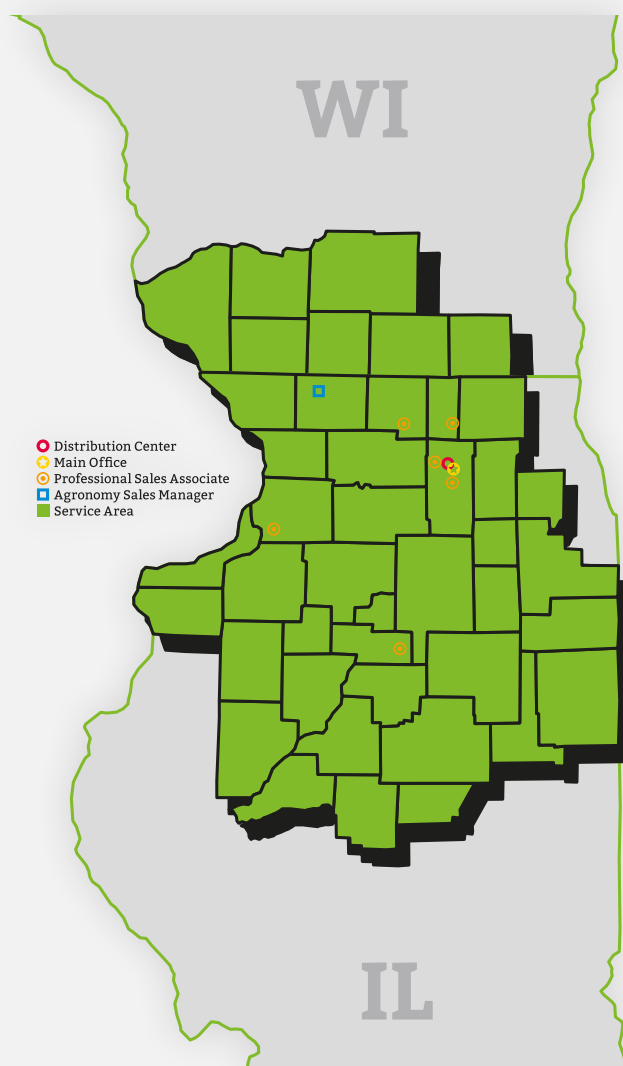
**2023** SEED CATALOG

OUR PROMISE

# FAMILY-TO-FAMILY FARMING

Axis Seed™ is one of the fastest-growing independent seed companies in the U.S. because of our unique business model. Through local, family-owned Independent Regional Companies (IRCs), you have access to the latest genetics, traits, and technologies, backed by people who genuinely care about your success. What you can expect is a dedicated partnership where you receive premium products selected for your specific soil and profit goals. Because even as the industry evolves with new technologies, success will always come from the relationship—and our family wants to see your family succeed.

**Working with Axis is unlike your relationship with any other company, and it won't take long to see why.**



## GROWER OWNED. GROWER DRIVEN.

Welcome to Axis Seed Direct, a locally owned, independent seed company providing corn and soybean genetics specific to the Northern Illinois & Southern Wisconsin region. Axis Seed Direct debuted in 2012 as a brand offered through a local retail outlet and was purchased by Andy Paulson in 2015. Under his ownership, Axis Seed Direct is able to bring the market the very best genetics and traits packages to benefit the specific needs of Northern Illinois and Southern Wisconsin farm ground. Axis Seed Direct pairs their expertise of industry leading genetics and couples that with the best soil and crop health enhancing products through the Nutribolt product offering and Meristem Crop Performance. Axis Seed Direct has access to traits and genetics from major industry suppliers, enabling its products to stand out from the competition.

Andy grew up on a family farm in Northern Illinois, where his family still farms today. He has more than 16 years' experience in the seed industry and understands the importance of achieving the very best results on each acre of your farm. The Axis Seed Direct Team strives to provide you not only the best product in the industry but also optimum value-added service. To continue to meet the needs of our customer of today and tomorrow we have continued to grow with our personnel. We have added an Agronomy Sales Manager, Customer Support Role, and a Data Support Manager. All of these positions work in harmony with your Sales Agent to design and implement highly individualized growing plans tailored to your individual soil and growing conditions.

### AXIS DIRECT DEALERS AXIS SEED DIRECT GENOA, IL • 815.572.4389

#### OWNER

##### ANDREW PAULSON

Belvidere, IL 61008

630.774.7475

#### PROFESSIONAL SALES ASSOCIATES

##### JOEY STASELL

Toluca, IL 61369

815.257.3712

##### GEORGE DIEDRICH

Sycamore, IL 60138

815.739.6089

##### AARON BRAHMSTEDT

Garden Prairie, IL 61038

815.703.1658

##### AMANDA ANDERSON

Pecatonica, IL 61063

815.275.9878

A close-up photograph of several large, vibrant green corn leaves. The leaves are layered, with some in sharp focus and others blurred in the background. In the lower-left corner, a faint, dark grid pattern is visible, suggesting a field or a specific agricultural context. The lighting is soft, highlighting the texture and veins of the leaves.

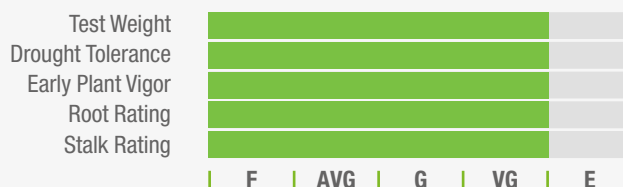
## ***CORN BRANDS***

Your soil is unique.  
Get more from it with  
select hybrids.

NEW!

**48Z58****SSRIB****98 Day Maturity****SmartStax®**  
RIB COMPLETE

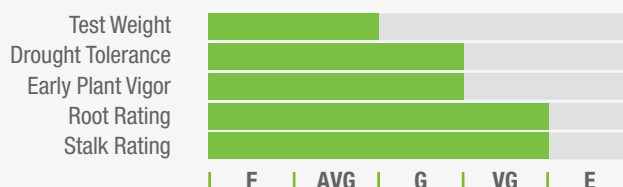
- Strong disease package with late-season intactness and stay green
- Long, girthy, semi-flex ear style adapted to moderate and high populations
- Performs across multiple environments with good southern movement
- Excellent top-end yield potential with wide area of adaption



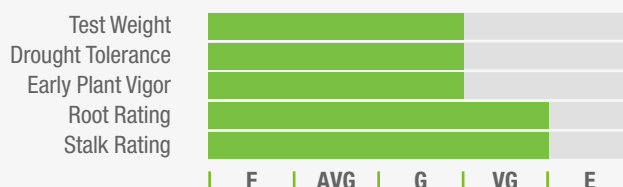
NEW!

**49P67****SSPRORIB****99 Day Maturity****SmartStax® PRO**  
RIB COMPLETE

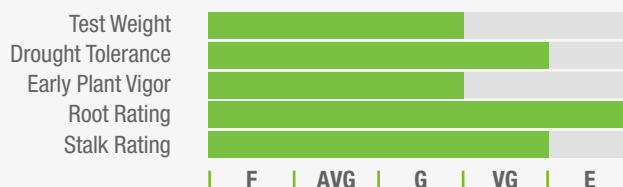
- Earliest SmartStax® PRO option for known CRW areas
- Very good greensnap, stalk and root ratings
- Medium-tall plant with semi-flex ear type performs at moderate populations
- Great SA, SLB and Eye Spot resistance

**50R51****SSRIB****100 Day Maturity****SmartStax®**  
RIB COMPLETE

- Dominant yield performance across years and environments
- Lead platform hybrid with tremendous ear size and girth
- Flex ear style adapts well to moderate planting populations
- Medium-tall statured hybrid with very good standability

**51G55****SSRIB****101 Day Maturity****SmartStax®**  
RIB COMPLETE

- Excellent top-end yield potential with strong agronomics
- Widely adaptable east to west across all soil types
- Very good late-season standability with excellent roots and great stalks
- Very good stress tolerance with good overall disease package

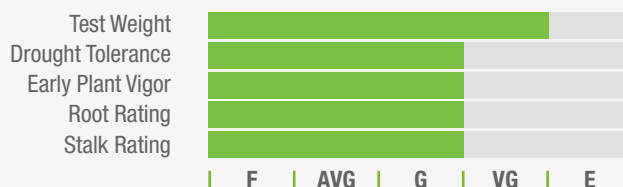




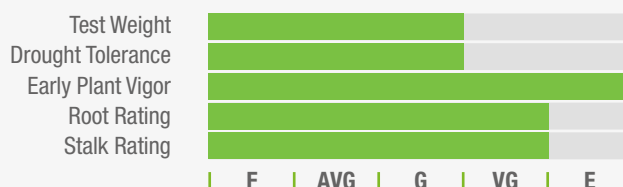
**NEW! 52A23**    *VT2PRIB*    102 Day Maturity

**VTDoublePRO®**  
 RIB COMPLETE™

- Very good test weight
- Girthy ear with good stalks and roots
- Manage away from known Goss' Wilt pressure
- Above average plant health package moving east

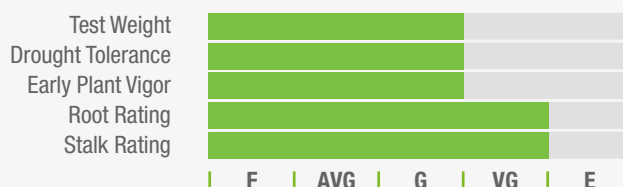

**53P01**    *CONV*    103 Day Maturity

- Very good stalks and roots with excellent test weight
- Excellent early vigor for minimum tillage and early planting
- Widely adapted product with very good Goss' Wilt tolerance
- Long ears with good kernel depth


**53P21**    *VT2PRIB*    103 Day Maturity

**VTDoublePRO®**  
 RIB COMPLETE™

- Very good stalks and roots with excellent test weight
- Excellent early vigor for minimum tillage and early planting
- Widely adapted product with very good Goss' Wilt tolerance and low greensnap risk
- Long ears with good kernel depth adds to the fall appearance


**53T58**    *SSRIB*    103 Day Maturity

**SmartStax®**  
 RIB COMPLETE™

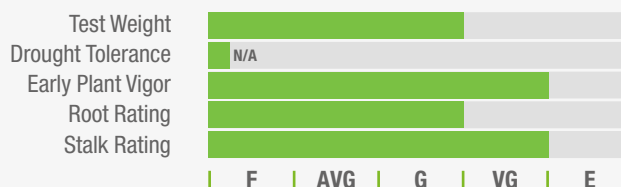
- Competitive yield performance with nice consistency across environments
- Good stability and solid stalks
- Tall plant stature with high ear placement
- Very good roots with high greensnap resistance



**NEW!** **54H57** **SSRIB** 104 Day Maturity

**SmartStax**  
RIB COMPLETE

- Widely adapted, high yielding hybrid that works across all soils
- Very long ears, excellent tip fill, with 16-18 kernel rows
- Flowers late for maturity with rapid dry down
- Excellent Goss' Wilt, very good GLS tolerance


**54M24** **VT2PRIB** 104 Day Maturity

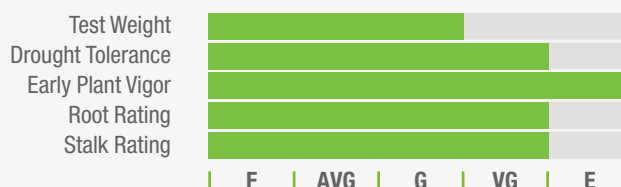
**VTDoublePRO**  
RIB COMPLETE

- Strong yield potential with good southern movement
- Excellent greensnap tolerance
- Excellent early vigor for reduced tillage situations
- Very good Goss' Wilt and Common Rust tolerance


**NEW!** **55K52** **SSRIB** 105 Day Maturity

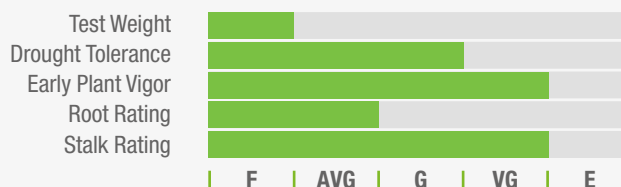
**SmartStax**  
RIB COMPLETE

- Solid agronomics and disease package
- Excellent early plant vigor and very good drought stress tolerance
- Strong Goss' Wilt and greensnap tolerance
- Excellent dry down


**NEW!** **56A65** **SSPRORIB** 106 Day Maturity

**SmartStaxPRO**  
RIB COMPLETE

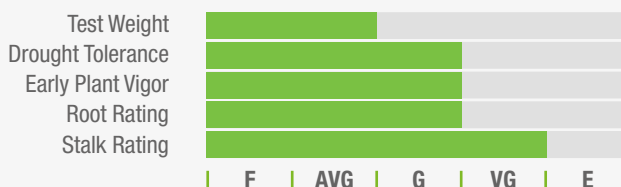
- Excellent yield potential especially in the Central zone
- Plant at lower plant density on better productive soils to manage root lodging
- Excellent SA and SLB resistance
- Use of fungicide will assist with late-season appearance and intactness



**NEW!** **56M51** *SSRIB* 106 Day Maturity

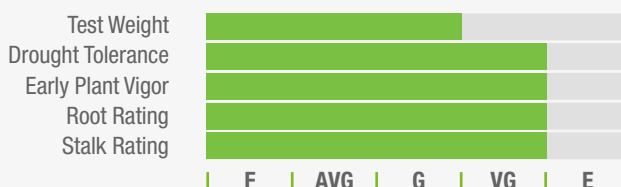
**SmartStax**  
RIB COMPLETE<sup>®</sup>

- Good fit for tough and medium productive acre
- Very good stalk rating, intactness and greensnap
- Strong performance east to west, with Goss' Wilt limiting far western movement
- Fungicide will improve late-season appearance


**57D23** *DGVT2PRIB* 107 Day Maturity

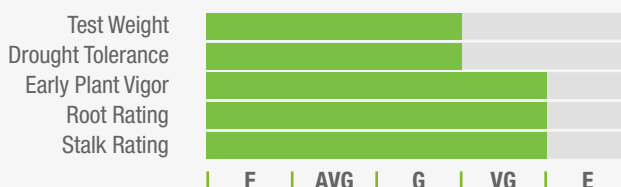
**DroughtGard**  
HYBRIDS  
VTDoublePRO<sup>®</sup>

- Very good greensnap and Goss' Wilt tolerance for the west
- Strong stress tolerance and very good ear flex should allow for use on tougher acres
- Best performance in 2019 was in central and east
- Great early plant vigor on this product

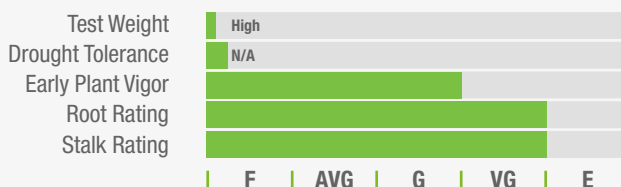

**NEW!** **57Z69** *SSPRORIB* 107 Day Maturity

**SmartStax** PRO  
RIB COMPLETE<sup>®</sup>

- Very solid agronomic ratings overall
- Great CR, Eye Spot and SLB resistances
- Nice plant stature with a semi-determinate ear type
- Versatile east to west adaptability


**NEW!** **58U08** *CONV* 108 Day Maturity

- High yielding product with wide adaptation
- Superior agronomics with outstanding test weight
- Early flowering hybrid
- Very good stalks and roots

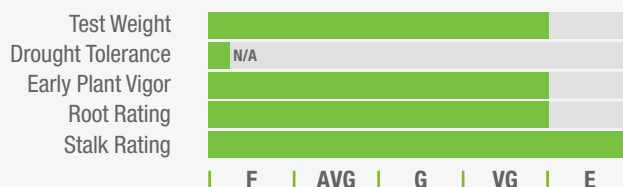




## 58Z53 SSRIB 108 Day Maturity

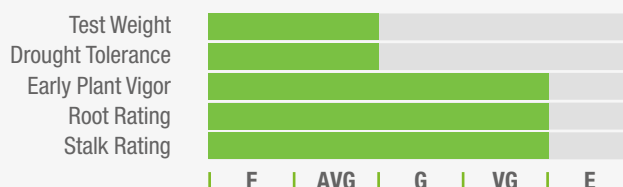
**SmartStax**  
RIB COMPLETE

- Consistent no fail hybrid
- Excellent agronomics
- Very good stalks and roots
- Excellent fall appearance



## NEW! 59A05 CONV 109 Day Maturity

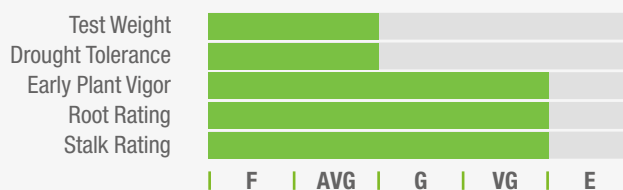
- Excellent top-end yield central and east
- Strong stalks and roots
- Good intactness aid in late-season standability
- Very good dry down



## 59A25 VT2PRIB 109 Day Maturity

**VTDoublePRO**  
RIB COMPLETE

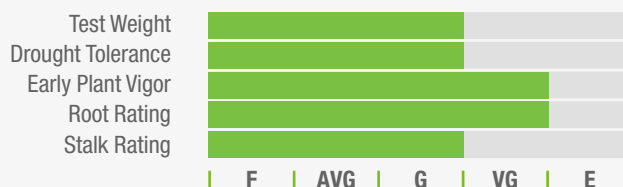
- Excellent top-end yield central and east
- Strong stalks and roots along with good intactness aid in late-season standability
- Goss' Wilt tolerance limits western adaptability
- Strong northern resistances with overall solid defensive package



## 59R27 VT2PRIB 109 Day Maturity

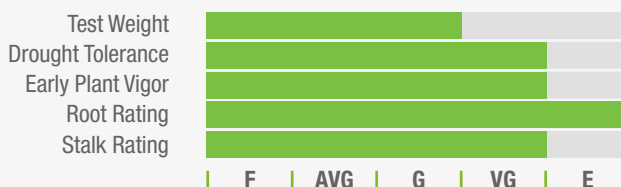
**VTDoublePRO**  
RIB COMPLETE

- Exceptional yield performance
- Very good greensnap tolerance but avoid fields with heavy Goss' Wilt
- Will respond well to fungicide use
- Best when positioned on well-drained soils



## 60B04 CONV 110 Day Maturity

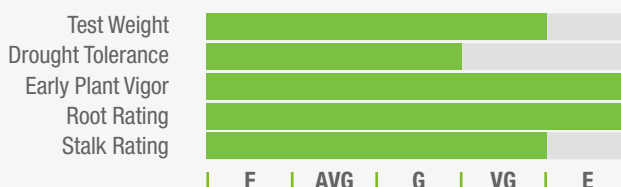
- Medium plant height with excellent root strength
- Consistent ear development with deep kernels
- Good choice for moderate to poorly drained soils
- Push populations for optimum performance



## 60P59 SSRIB 110 Day Maturity

**SmartStax**  
RIB COMPLETE

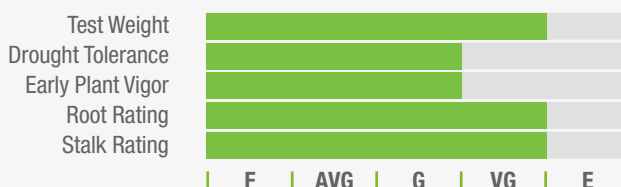
- Very good stalks and excellent roots
- Excellent early vigor and low greensnap risk
- Very good test weight and kernel depth
- Good GLS and NCLB tolerance



## NEW! 60T50 SSRIB 110 Day Maturity

**SmartStax**  
RIB COMPLETE

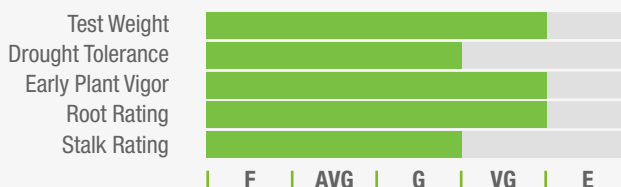
- Strong top-end yield with a compact plant type
- Strong agronomics in stalks, roots and greensnap
- Limit stress acre placement as ear placement lowers
- Great test weight with solid early plant vigor



## 62A58 SSRIB 112 Day Maturity

**SmartStax**  
RIB COMPLETE

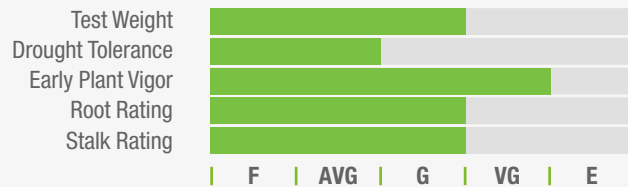
- Very good stalks and roots
- Semi-determinate ear with excellent test weight
- Responds to higher management
- Very good early plant vigor



## 62B56 SSRIB 112 Day Maturity

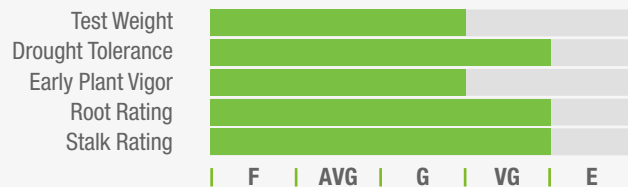
**SmartStax**  
RIB COMPLETE

- Widely adapted east to west and good movement north to south
- Fungicide use will maximize performance potential
- Solid defensive package with notable resistance to Southern Leaf Blight
- Great early plant vigor with good roots, stalks, and greensnap resistance



## 62W06 CONV 112 Day Maturity

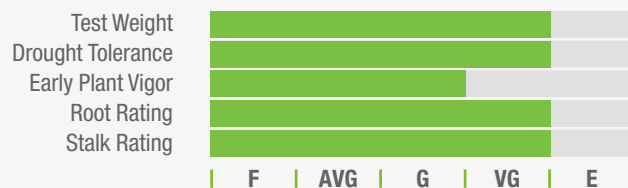
- Produces girthy ears with very thick and deep kernels
- Outstanding yield potential
- Responds well to fungicide application
- Best performance at high plant densities



## 63D58 SSRIB 113 Day Maturity

**SmartStax**  
RIB COMPLETE

- Widely adapted hybrid with outstanding yield potential
- Outstanding agronomic package with excellent test weight
- Excels in high yield environment
- Late-season health and intactness



## 63W23 DGVT2PRIB 113 Day Maturity

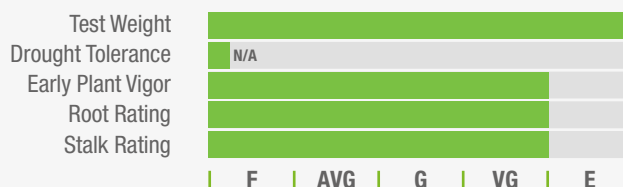
**DroughtGard**  
HYBRIDS  
VTDoublePRO<sup>®</sup>  
RIB COMPLETE

- Very attractive plant with impressive fall appearance
- Produces girthy ears with tremendous kernel flex, size and depth
- Very strong overall disease package
- Optimal performance in moderate to high yield environments

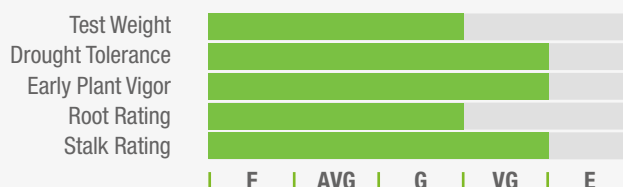


**NEW!** **64C06** CONV 114 Day Maturity

- Outstanding food grade potential
- Excellent stay green and great root strength
- Great central and eastern hybrid
- Moves south well


**64Z08** CONV 114 Day Maturity

- Very high tolerance to Southern Rust and Goss' Wilt
- Widely adapted east to west with good southern movement
- Medium-long ears with 18-20 kernel rows
- Very good stalks


**CORN TRAITS**

DGVT2PRIB	<b>DroughtGard</b> HYBRIDS VTDoublePRO <sup>®</sup> RIB COMPLETE <sup>®</sup>	DroughtGard <sup>®</sup> Hybrids with VT Double PRO <sup>®</sup> RIB Complete <sup>®</sup> Corn Blend
SSRIB	<b>SmartStax</b> RIB COMPLETE <sup>®</sup>	SmartStax <sup>®</sup> RIB Complete <sup>®</sup> Corn Blend
SSPRORIB	<b>SmartStax PRO</b> RIB COMPLETE <sup>®</sup>	SmartStax <sup>®</sup> PRO RIB Complete <sup>®</sup> Corn Blend
VT2PRIB	<b>VTDoublePRO</b> RIB COMPLETE <sup>®</sup>	VT Double PRO <sup>®</sup> RIB Complete <sup>®</sup> Corn Blend



Factors to consider for the data listed: The environment will always play a very large role in the level of returns you may receive from a specific product. In 2020 we had a very wet start and a very dry end to our growing season. This led to shallow rooting early and root development that was not as extensive late in the season, leading to a lack of ability to extract water during a very hot and dry finish. This may play a factor in the data gathered in 2020. In 2021 we received rain and had a much more consistent year in some areas of the region, while others had fewer rains and suffered from disease and drought conditions. However, the products listed below have resulted in our approved product list showing strong ROI for two years. We will continue to research inputs and report local data of the products we have tested. If you need a product tested, please reach out to one of your local AXIS Seed Direct Sales Agents.

## AXIS SEED DIRECT APPROVED PRODUCTS PROVEN THROUGH ON FARM TRIALS

### NUTRIBOLT® REPLICATED TRIALS (CORN)

Product	2020				2021				2 Year			
	Moisture	TWT	Yield	Advantage	Moisture	TWT	Yield	Advantage	Moisture	TWT	Yield	Advantage
Nutribolt Liquid Calcium	26.2	54.6	193.3	12.5	20.47	56.27	253.4	8.3	23.335	55.435	223.35	10.4
Nutribolt Prebiotic / Nutribolt Liquid Calcium	26.4	54.8	210.9	30.1	19.8	55.2	255.75	10.65	23.1	55	233.325	20.375
Untreated	25.3	55.5	180.8	—	20.21	56.6	245.1	—	22.755	56.05	212.95	—

### REPLICATED FOLIAR TRIALS (SOYBEANS)

Product	2020				2021				2-Year Average			
	Moisture	TWT	Yield	Advantage	Moisture	TWT	Yield	Advantage	Moisture	TWT	Yield	Advantage
Nutribolt Liquid Calcium	10.5	—	67.5	9	13.23	—	68.98	1.63	—	11.865	68.24	5.315
Untreated Liquid Calcium	10.1	—	58.5	—	13.2	—	67.35	—	—	11.65	62.925	—
Nutribolt Prebiotic	11.3	—	66.85	12.97	13.1	—	67.95	0.6	—	12.2	67.4	6.785
Untreated Prebiotic	11.1	—	53.88	—	13.2	—	67.35	—	—	12.15	60.615	—
Homestretch Nutritional	10.7	—	58.91	3.32	13.26	—	67.57	0.22	—	11.98	63.24	1.77
Untreated Homestretch Nutritional	10.8	—	55.59	—	13.2	—	67.35	—	—	12	61.47	—
Nutribolt Prebiotic / Revline	—	—	—	—	13.32	—	70.34	2.99	—	13.32	70.34	2.99
Nutribolt Prebiotic / Revline	—	—	—	—	13.2	—	67.35	—	—	13.2	67.35	—

## PLANT CHARACTERISTICS

	BRAND	TECH	MATURITY	50% Silk	Black Layer	Cob Color	Ear Height	Ear Type	Husk Cover	Kernel Rows	Leaf Angle	Plant Height	Test Weight	Corn on Corn
<b>NEW!</b>	<b>48Z58</b>	SSRIB	98	1240	2400	R	MH	SFL	ML	16-18	ER	MT	VG	VG
<b>NEW!</b>	<b>49P67</b>	SSPRORIB	99	1213	2365	R	MH	SFL	A	18-20	N/A	MT	AV	WF
	<b>50R51</b>	SSRIB	100	1260	2510	R	M	SFL	M	18-20	SE	MT	G	G
	<b>51G55</b>	SSRIB	101	1225	2389	R	M	SD	A	16-18	N/A	M	G	NR
<b>NEW!</b>	<b>52A23</b>	VT2PRIB	102	1262	2486	R	ML	SFL	A	18-20	N/A	MS	VG	NR
	<b>53P01</b>	CONV	103	1227	2417	R	M	SFL	S	14-16	N/A	MT	G	WF
	<b>53P21</b>	VT2PRIB	103	1227	2417	R	M	SFL	S	14-16	N/A	MT	G	NR
	<b>53T58</b>	SSRIB	103	1275	2486	R	MH	SD	A	18-20	N/A	MT	VG	WF
<b>NEW!</b>	<b>54H57</b>	SSRIB	104	1290	2605	R	MH	FL	M	16-18	SE	MT	G	VG
	<b>54M24</b>	VT2PRIB	104	1290	2516	R	M	SD	A	16-18	N/A	M	G	NR
<b>NEW!</b>	<b>55K52</b>	SSRIB	105	1336	2632	R	M	SFL	A	16-18	N/A	M	G	R
<b>NEW!</b>	<b>56A65</b>	SSPRORIB	106	1273	2508	R	MH	SFL	A	14-16	N/A	MT	F	WF
<b>NEW!</b>	<b>56M51</b>	SSRIB	106	1359	2677	R	MH	SFL	L	16-18	N/A	MT	AV	WF
	<b>57D23</b>	DGVT2PRIB	107	1291	2543	R	MH	SFL	A	14-16	N/A	MT	G	NR
<b>NEW!</b>	<b>57Z69</b>	SSPRORIB	107	1281	2524	R	M	SD	A	16-18	N/A	M	G	WF
<b>NEW!</b>	<b>58U08</b>	CONV	108	N/A	N/A	R	M	SFL	N/A	14-16	N/A	MT	H	N/A
	<b>58Z53</b>	SSRIB	108	1329	N/A	N/A	MH	B	VG	14-16	SU	MT	VG	VG
<b>NEW!</b>	<b>59A05</b>	CONV	109	1286	2538	R	MH	SD	A	16-18	N/A	T	AV	NR
	<b>59A25</b>	VT2PRIB	109	1286	2538	R	MH	SD	A	16-18	N/A	T	AV	NR
	<b>59R27</b>	VT2PRIB	109	1366	2691	R	MH	SD	A	14-16	N/A	MT	G	NR
	<b>60B04</b>	CONV	110	1320	2750	P	M	F	M	16-18	SU	M	G	VG
	<b>60P59</b>	SSRIB	110	1301	2563	R	M	SD	A	14-16	N/A	M	VG	WF
<b>NEW!</b>	<b>60T50</b>	SSRIB	110	1371	2701	R	ML	SD	A	14-16	N/A	M	VG	NR
	<b>62A58</b>	SSRIB	112	1334	2655	R	M	SD	A	16-18	N/A	MT	VG	WF
	<b>62B56</b>	SSRIB	112	1389	2736	R	MH	SD	A	16-18	N/A	M	G	WF
	<b>62W06</b>	CONV	112	1300	2780	R	M	F	ML	16-18	U	M	G	VG
	<b>63D58</b>	SSRIB	113	1320	2790	R	M	SFL	ML	16	SU	MT	VG	VG
	<b>63W23</b>	DGVT2PRIB	113	1300	2825	R	MH	SFL	ML	18-20	SE	MT	VG	VG
<b>NEW!</b>	<b>64C06</b>	CONV	114	1360	2625	R	N/A	FL	C	14-18	N/A	T	E	E
	<b>64Z08</b>	CONV	114	1360	2855	R	MH	SFL	ML	18-20	SU	MT	G	VG

**RATING SCALE:** E = Excellent, VG = Very Good, G = Good, AV = Average, F = Fair, R = Resistance, N/A = Not Available

**COB COLOR:** Red = R, Pink = P

**EAR HEIGHT:** Medium = M, Medium-High = MH, Medium-Low = ML

**EAR TYPE:** Balanced = B, Semi-Flex = SFL, Semi-Determinate = SD, Flex = FL

**HUSK COVER:** Medium-Long = ML, Long = L, Medium = M, Adequate = A, Short = S, Complete = C

**LEAF ANGLE:** Semi-Upright = SU, Semi-Erect = SE, Erect = ER, Upright = U

**PLANT HEIGHT:** Medium-Tall = MT, Medium = M, Tall = T, Medium-Short = MS



## PLANT HARDINESS

## DISEASE RESISTANCE

Drought Tolerance	Early Plant Vigor	Greensnap	Herbicide Sensitivity	Population Tolerance	Root Rating	Stalk Rating	Stay Green	Goss' Wilt	Gray Leaf Spot	Northern Leaf Blight (1)	Stalk Anthracnose	BRAND	
VG	VG	N/A	N/A	G	VG	VG	VG	G	VG	VG	N/A	48Z58	NEW!
G	G	VG	A	M	VG	VG	G	G	F	G	VG	49P67	NEW!
G	G	ML	N/A	G	VG	VG	G	G	G	VG	N/A	50R51	
VG	G	VG	C:GR	M-MH	E	VG	G	VG	AV	G	VG	51G55	
G	G	AV	N/A	M-MH	G	G	G	AV	F	G	E	52A23	NEW!
G	E	VG	C:SU	M-MH	VG	VG	VG	VG	AV	G	AV	53P01	
G	G	VG	C:SU	M-MH	VG	VG	VG	VG	AV	G	AV	53P21	
G	G	VG	A	M	VG	G	VG	AV	AV	G	G	53T58	
N/A	VG	ML	N/A	VG	G	VG	G	VG	VG	G	N/A	54H57	NEW!
G	E	G	A	M-MH	VG	G	G	VG	AV	G	G	54M24	
VG	E	VG	A	LM	VG	VG	VG	E	G	G	VG	55K52	NEW!
G	VG	G	C:GR	LM	AV	VG	G	G	AV	AV	E	56A65	NEW!
G	G	VG	A	M	G	VG	AV	AV	F	AV	G	56M51	NEW!
VG	VG	VG	A	M-MH	VG	VG	AV	VG	AV	G	AV	57D23	
G	VG	VG	N/A	M-MH	VG	VG	AV	G	G	AV	AV	57Z69	NEW!
N/A	G	N/A	N/A	M-MH	VG	VG	VG	VG	VG	G	N/A	58U08	
N/A	VG	N/A	N/A	M-MH	VG	E	VG	F	VG	VG	N/A	58Z53	
AV	VG	G	A	M-MH	VG	VG	VG	AV	AV	VG	G	59A05	NEW!
AV	VG	G	A	M-MH	VG	VG	VG	AV	AV	VG	G	59A25	
G	VG	VG	A	M-MH	VG	G	AV	G	G	G	AV	59R27	
VG	VG	N/A	N/A	H	E	VG	VG	VG	VG	G	N/A	60B04	
G	E	E	A	M-MH	E	VG	G	AV	G	VG	VG	60P59	
G	G	VG	A	MH	VG	VG	G	VG	G	G	G	60T50	NEW!
G	VG	AV	A	M-MH	VG	G	G	G	G	VG	G	62A58	
AV	VG	G	A	MH-H	G	G	AV	G	G	G	G	62B56	
VG	G	N/A	N/A	H	VG	VG	F	VG	G	VG	N/A	62W06	
VG	G	N/A	N/A	MH	VG	VG	VG	G	VG	VG	N/A	63D58	
VG	VG	ML	N/A	VG	VG	VG	VG	VG	VG	VG	N/A	63W23	
N/A	VG	AV	N/A	M	VG	VG	E	VG	VG	VG	VG	64C06	NEW!
VG	VG	N/A	N/A	M	G	VG	G	VG	VG	VG	N/A	64Z08	

TEST WEIGHT: High = H

CORN ON CORN: With Fungicide = WF, Not Recommended = NR, Recommended = R

HERBICIDE SENSITIVITY: Caution: GR = C:GR, Caution: SU = C:SU

POPULATION TOLERANCE: Medium-High - High = MH-H, Medium - Medium-High = M-MH, Medium-High = MH, High = H, Medium High = MH, Medium = M, Low-Medium = LM

DGV22PRIB = DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend, SSRIB = SmartStax® RIB Complete® Corn Blend, SSPRORIB = SmartStax® PRO RIB Complete® Corn Blend, VT2PRIB = VT Double PRO® RIB Complete® Corn Blend, CONV = Conventional



# SEED TREATMENT

THAT NATURALLY  
JUMP-STARTS YOUR  
SEEDLING VIGOR

## AVAILABLE APPLICATIONS:

- NutriBolt
- NutriBolt Liquid Calcium
- NutriBolt Seed Treatment

**AXIS SEED**  
**NUTRIBOLT®**



**AXIS SEED**

**NUTRIBOLT®**

# NATURALLY BOOST YOUR SOIL-PLANT PRODUCTIVITY

*Apply directly to soil or plants to increase your yield potential*

**NutriBolt** is a prebiotic formula that is completely natural, safe, and effective, helping boost healthy microbial activity up to 5,000 percent.

BOOSTS MICROBIAL  
ACTIVITY UP TO

**5K%**



## WHY USE NUTRIBOLT?

- Increases microbial diversity, reducing pathogen imbalances
- Improves the availability of existing soil minerals and fertilizers
- Creates a surge in early and sustained root development, and increases seed germination and emergence
- Optimizes water regulation and utilization efficiency
- Improves plant growth, vigor, and health, while strengthening roots and stalks
- Offsets negative effects of glyphosate
- Increases crop quality and yield, helping maximize your return on investment

Your crops and the microorganisms in your soil exist in a symbiotic relationship—they rely on each other to exchange nutrients and be healthy. The easier it is for them to access and share nutrients, the more able they are to produce high yields.

## GENERAL APPLICATION PRACTICES:

- Use standard ground or aerial equipment for multi-stage application in furrow, on top of soil, and directly to plants
- Can be mixed with most herbicides, pesticides, fungicides, and liquid fertilizers
- Apply at rate of 1–2 pints per acre per application
- Spray when crop is in active growing stage, after irrigation or natural rainfall
- If midday temperatures exceed 85° F, apply in early morning or late afternoon

*Naturally enhance your soil-plant productivity and ROI.*

➤ **Contact your local Sales Agent today.**

**AXISSeedDirect.com**

**Grow Strong™**

AXIS SEED

**NUTRIBOLT®**  
LIQUID CALCIUM

# NATURALLY BOOST YOUR pH BALANCE

*Apply directly to soil or crops to improve your growing environment*



## WHY USE NUTRIBOLT LIQUID CALCIUM?

- It's a simple source of chelated calcium with a guaranteed analysis of 10% calcium
- It's 100% water soluble and does not require a biological breakdown period, making its benefits immediately available to your soil and crops
- Application is simple and can be performed using standard equipment
- Its stabilizing effect on liquid nitrogen can help cut costs

A low pH balance often calls for more lime—but did you know that's a slow, ineffective fix? Instantly improve your pH ratings and nutrient availability with **NutriBolt Liquid Calcium**. Calcium is an essential and beneficial plant nutrient that's easily applied and increases return on investment.

---

## GENERAL APPLICATION PRACTICES:

- *Can be applied with conventional ground or aerial equipment or properly equipped irrigation systems*
- *Can be tank-mixed with most soil-applied herbicides and liquid fertilizers that do not contain phosphorus, and does not require extra field passes*
- *Soil applications: 2–5 gallons per acre*
- *Foliar applications: 1–3 gallons per acre*
- *Liquid nitrogen solution applications: 2–5 gallons per acre*
- *Do not mix with materials containing phosphates, sulfates, or glyphosate bases (i.e. RoundUp®-type herbicides)*
- *Always perform a jar-test mix to ensure compatibility*

---

*Naturally enhance your growing environment and ROI.*

➤ **Contact your local Sales Agent today.**

**AXIS SEED**

**NUTRIBOLT®**  
SEED TREATMENT

# NATURALLY JUMP-START YOUR SEEDLING VIGOR

*Apply to seeds for the strongest start possible*



## WHY USE NUTRIBOLT SEED TREATMENT?

- Improves germination, root structure, emergence, seedling vigor, and developing plant structure
- Permeates soil to improve fertilizer efficiency and nutrient uptake
- Supports naturally occurring protective elements around the seed and root system
- Delivers consistent yield performance, improved test weights, and enhanced crop quality, especially in stressful growing conditions
- Is compatible with most seed-applied, broad-spectrum insect- and disease-protection products

Germination and emergence are some of the most stressful and critical phases in the life cycle of a plant. **NutriBolt Seed Treatment** provides your crops the natural resources needed to jump-start their growth and maximize your return on investment.

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### GENERAL APPLICATION PRACTICES:

- *Applied to seed by authorized downstream treater*
  - *Hybrid seed corn: 6–8 ounces per 100 pounds*
  - *Soybean varieties: 4–6 ounces per 100 pounds*
  - *Other crops: Please discuss with your Axis Seed representative*
- 

*Naturally boost your seedling vigor and ROI.*

➤ **Contact your local Sales Agent today.**





# SOYBEAN BRANDS

The truth is, there's no "average acre." So why choose an average bean variety?



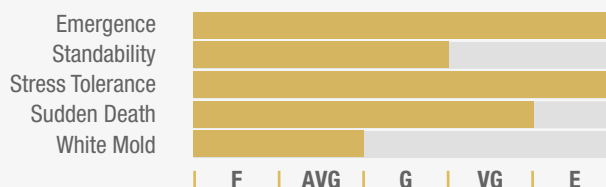
## SOYBEAN TRAITS

E3		Enlist E3® Soybeans
XF		XtendFlex® Soybeans

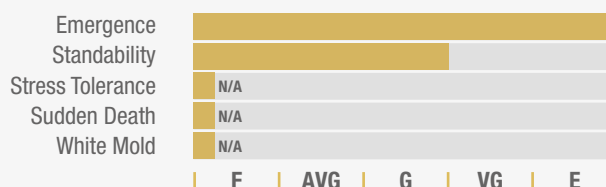


**2113E****E3****2.1 Relative Maturity**

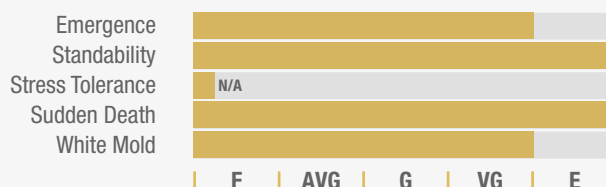
- Peking and yield, best suited for tougher acres
- Good SDS and IDC scores
- Tough rugged plant style brings excellent stress tolerance

**2212XF****XF****2.2 Relative Maturity**

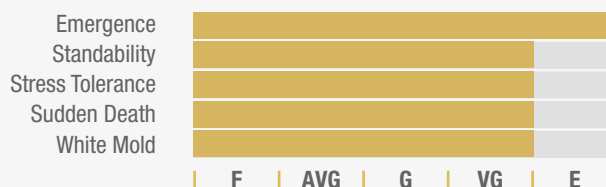
- Offensive product that works east to west
- Tall variety that has above average standability
- IDC is average and WM is below average, need to position carefully

**2213E****E3****2.2 Relative Maturity**

- Nice laterals with clusters boosting the yield
- Excellent standability
- SDS, Rps 1k and IDC

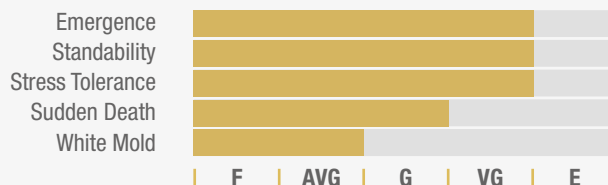
**2301E****E3****2.3 Relative Maturity**

- Very good SDS and white mold scores
- Attractive gray/tan
- Impressive standability and width

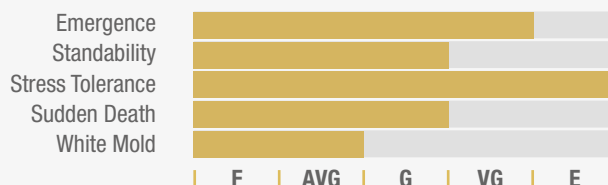


**2313E****E3****2.3 Relative Maturity**

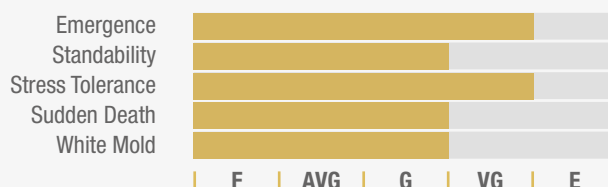
- Good SDS and IDC tolerance
- Very good emergence
- Very good stress tolerance

**2402ES****E3****2.4 Relative Maturity**

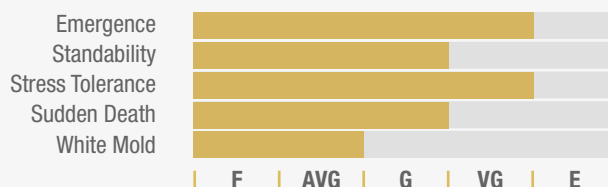
- High yield on this product
- Excellent stress tolerance
- Above average SDS resistance completes the package

**2513ES****E3****2.5 Relative Maturity**

- Unique plant style that brings significant height and good standability
- Very good emergence and stress tolerance
- STS tolerance

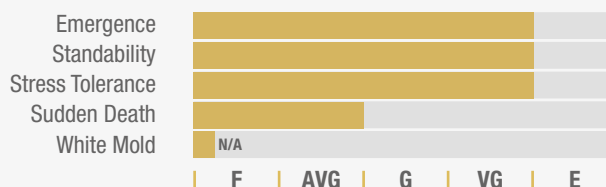
**2702E****E3****2.7 Relative Maturity**

- Solid disease tolerance overall
- Good standability on this medium-plus height product
- Nice plant style to fit all regions and conditions

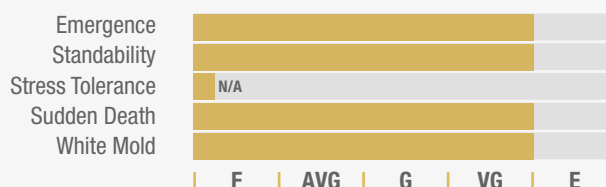


**2902E****E3****2.9 Relative Maturity**

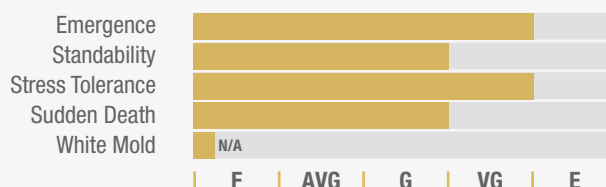
- Great emergence and stress tolerance
- Two years worth of good field notes
- Attractive gray/brown

**2913XFS****XF****2.9 Relative Maturity**

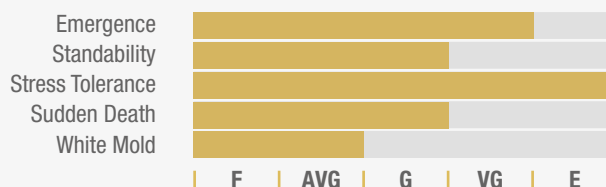
- Taller plant with solid lodging scores
- SCN, SDS and good PRR tolerance
- STS tolerance along with excellent standability

**3113E****E3****3.1 Relative Maturity**

- Wide, bushier plant style with very good lodging scores
- Defensive package includes SCN, BSR and IDC
- Stem Canker Resistant

**3601E****E3****3.6 Relative Maturity**

- Very good lodging scores and stress tolerance
- Adds Rps 1k to very good field tolerance
- Resistance to Stem Canker and BSR



## PLANT CHARACTERISTICS

BRAND	TECH	MATURITY	Estimated Seed Size	Flower Color	Hilum	Oil	Plant Type	Pod	Protein	Pubescence	Relative Plant Height
2113E	E3	2.1	N/A	P	IBL	N/A	I	T	N/A	GR	MT
2212XF	XF	2.2	N/A	P	IBL	N/A	ID	BR	N/A	GR	T
2213E	E3	2.2	2784	P	BL	N/A	M	T	N/A	LTW	M
2301E	E3	2.3	N/A	P	BU	N/A	IB	T	N/A	GR	M+
2313E	E3	2.3	N/A	W	BU	N/A	I	T	N/A	GR	M+
2402ES	E3	2.4	N/A	W	BU	N/A	I	T	N/A	GR	M+
2513ES	E3	2.5	N/A	P	BU	N/A	I	BR	N/A	GR	MT
2702E	E3	2.7	N/A	P	BU	N/A	I	BR	N/A	GR	M+
2902E	E3	2.9	N/A	P	IBL	N/A	IB	BR	N/A	GR	M+
2913XFS	XF	2.9	2926	W	BL	N/A	N/A	BR	N/A	TW	MT
3113E	E3	3.1	N/A	P	BU	N/A	B	T	N/A	GR	M+
3601E	E3	3.6	N/A	P	IBL	N/A	B	T	N/A	GR	MT

**RATING SCALE:** E = Excellent, VG = Very Good, G = Good, AV = Average, F = Fair, R = Resistance, N/A = Not Available

**FLOWER COLOR:** P = Purple, W = White

**HILUM:** BL = Black, IBL = Imperfect Black, BU = Buff

**PLANT TYPE:** I = Intermediate, IB = Intermediate-Bush, B = Bush, M = Medium, ID = Indeterminate

**POD:** T = Tan, BR = Brown

**PUBESCENCE:** LTW = Light Tawny, TW = Tawny, GR = Gray

**RELATIVE PLANT HEIGHT:** M = Medium, M+ = Medium+, MT = Medium-Tall, T = Tall

**BROWN STEM ROT:** R = Resistant, NG = No Gene

**E3** = Enlist E3® Soybeans, **XF** = XtendFlex® Soybeans

## A CLOSER LOOK AT THE ENLIST® WEED CONTROL SYSTEM



### 2,4-D choline | Glyphosate | Glufosinate

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are labeled for preemergence and postemergence use with Enlist E3® soybeans.

#### On-Target Application

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



- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two modes 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

## PLANT HARDINESS

## DISEASE RESISTANCE

Emergence	Standability	Stress Tolerance	Brown Stem Rot	Iron Chlorosis	Phytophthora Gene	SCN Greenhouse	SCN Marker	Sudden Death Syndrome	White Mold	BRAND
E	G	E	NG	G	Rps1c	R3, R5	Peking	VG	AV	2113E
E	G	N/A	N/A	AV	Rps1c	N/A	N/A	N/A	N/A	2212XF
VG	E	N/A	N/A	VG	Rps1k	N/A	PI88788	E	VG	2213E
E	VG	VG	R	G	Rps 1k	R3, MR14	PI 88.788	VG	VG	2301E
VG	VG	VG	NG	G	Rps1cH3a	R3, MR14	PI88788	G	AV	2313E
VG	G	E	R	G	Rps 1k	R3, MR14	PI 88.788	G	AV	2402ES
VG	G	VG	NG	AV	Rps1a	R3, MR14	PI88788	G	G	2513ES
VG	G	VG	NG	G	Rps 1c	R3, MR14	PI 88.788	G	AV	2702E
VG	VG	VG	NG	G	Rps 1k	R3, MR14	PI 88.788	AV	N/A	2902E
VG	VG	N/A	N/A	VG	NG	N/A	PI88788	VG	VG	2913XFS
VG	G	VG	R	G	NG	R3, MR14	PI88788	G	N/A	3113E
VG	G	E	R	N/A	Rps 1k	R3, MR14	PI 88.788	G	AV	3601E



**Bayer Company 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. 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.

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

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

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

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready technology contain genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate.

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

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

**Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba.** Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Design®, SmartStax®, Trecepta®, Trecepta® RIB Complete®, VT Double PRO®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready PLUS®, SR and Design®, TruFlex™, VaporGrip®, XtendFlex® and XtendiMax® are trademarks of Bayer Group. LibertyLink® and the Water Droplet Design® are registered trademarks of BASF Corporation. Herculex® is a registered trademark of Corteva Agrisciences LLC. Agrisure Viptera® is a registered trademark of Syngenta. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners.

Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, and XtendFlex® soybeans. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: [tug.bayer.com](http://tug.bayer.com). U.S. patents for Bayer technologies can be found at the following webpage: [cs.bayerpatents.bayer.com](http://cs.bayerpatents.bayer.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](http://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 Dow AgroSciences technologies can be found at the following webpage: [www.corteva.us/Resources/trait-stewardship.html](http://www.corteva.us/Resources/trait-stewardship.html).

Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS product launch stewardship guidance and Dow AgroSciences 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](http://www.biotradestatus.com).



The transgenic soybeans event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C. \*\*\*Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.



Acceleron®, DroughtGard®, RIB Complete®, and Design®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, SmartStax and





***REVOLVE***<sup>SM</sup>

***SEED PROTECTION SYSTEM***



MAXIMUM PROTECTION. MAXIMUM YIELDS.

# AXIS REVOLVE™

## SEED PROTECTION SYSTEM

*Protect your seeds and increase your yields with Axis Revolve and Revolve PLUS™. These state-of-the-art corn and soybean seed treatments are tested and selected by area and genetics. Each provides seed-specific protection of your investment—and your bottom line. Here's how:*

- Faster speed to canopy.
- Better stress tolerance.
- Increased nutrient uptake.
- Improved vigor.
- Higher yield potential.

### Axis Revolve™

Advanced protection against early season diseases and tough growing conditions:

- A custom blend of three fungicides for superior broad-spectrum control.
- Applied at rates 35–115% higher than leading competitors.
- Provides excellent control of Fusarium, Rhizoctonia, Pythium, and Phytophthora.
- Enhanced with a proven polymer to keep your investment on the seed where it belongs.
- Features trouble-free seed flow and great product appearance.



### Revolve PLUS™

All the proven ingredients and benefits of our Axis Revolve treatment, plus:

- Insecticide applied at a 50% higher rate than the industry standard.
- Broad-spectrum, systemic insect protection from planting through the early growing season.



[axisseeddirect.com](http://axisseeddirect.com)

## Are you ready to Grow Strong™?

Find out why Axis Revolve is unlike any seed protection system you've used before. Contact me directly or visit [axisseeddirect.com](http://axisseeddirect.com).



**Axis Seed Direct**

**815.572.4389**



**AXIS Seed Direct**

P.O. Box 130  
Genoa, IL 60135

**Office Phone: 815.572.4389**

***[www.AXISSeedDirect.com](http://www.AXISSeedDirect.com)***

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