



SEED CATALOG 2017



## OUR PROMISE

# COMMITTED TO HELP YOU GROW.

*Axis Seed™ is the fastest-growing independent seed company in the U.S. because of our unique business model. Through our locally owned Independent Regional Companies (IRCs), you have access to the latest traits and technologies. Your IRC won't waste your time with unnecessary buzzwords or orders from corporate. What you can expect is a dedicated partnership where you receive personalized, premium products that are designed to perform in your specific soil—because helping you succeed is the only way we do.*

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

*Grow Strong™*

**BOB GRAVES, PRESIDENT**  
**Graves Enterprises Inc**

Bob Graves entered the seed business in 1998 and less than a decade later struck out on his own to found Graves Enterprises Inc. Guided by honesty and driven to reach optimum productivity, Bob strives to increase yields on your most difficult acres. He even offers custom soybean treatments based on your specific needs.

Dedicated to placing the best possible product in growers' specific soil types, Bob teamed up with Axis Seed in 2012. As an independent regional company (IRC) of Axis, Bob has access to the latest genetics and traits—and those that will perform the best in your specific soil. He also keeps abreast of the industry's latest technology, providing you every possible advantage when it comes to ensuring a rewarding harvest.

Graves Enterprises Inc services Southeast Nebraska, and Central Kansas.



## ARE YOU GETTING THE MOST FROM **EVERY ACRE?**

### **You will with SeedSync.<sup>SM</sup>**

We combine state-of-the-art technology, advanced soil analysis, and years of seed expertise to help you plant the right hybrids on the right acres.

Get more from your soil. Ask about SeedSync today by calling

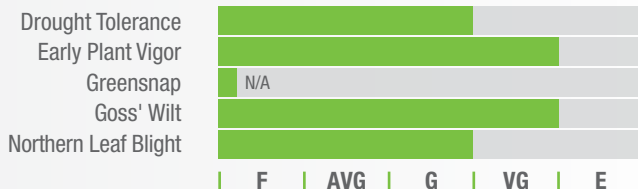
**Bob Graves**  
**402.560.3086**

**seedSYNC<sup>SM</sup>**

*Solutions for Modern Ag*

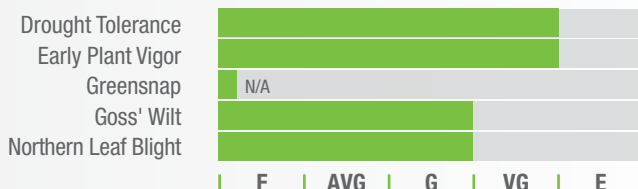
## 57A25 VT2PRIB 106-108 Day Maturity

- » Dominant yield performance
- » Scores high for late season stay green and intactness
- » Consistent ear development with very deep kernels
- » Widely adapted east to west in zone



## 61W21 DGVT2PRIB 111-113 Day Maturity

- » Top-end yield with low greensnap risk
- » Medium-tall stature with good test weight and agronomics
- » Widely adapted across all soil types
- » Exhibits good late season intactness and appearance



## 62M25 VT2PRIB 111-113 Day Maturity

- » Very strong yield potential over a wide geography
- » Consistent performance over a wide range of soil types
- » Good southern movement for maturity
- » Excellent root rating with very good drought tolerance



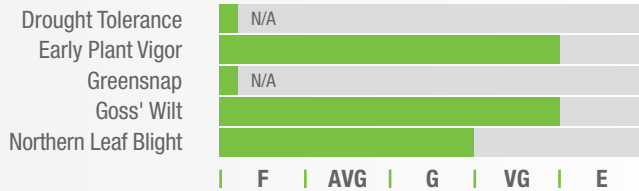
## 64D25 DGVT2PRIB 113-115 Day Maturity

- » DroughtGard® Hybrid
- » Does not need high plant populations to yield
- » Excellent greensnap tolerance and very good Goss' Wilt tolerance
- » Tall, high eared hybrid



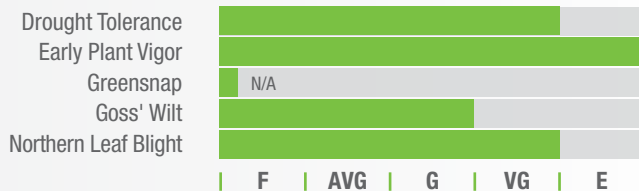
## 64G38 3000GT 113-115 Day Maturity

- » High yielding, full season hybrid with unique genetics
- » Excellent emergence and early vigor for early planting and no-till
- » Excellent plant health
- » Consistent performance



## 64T22 VT2PRIB 113-115 Day Maturity

- » Shorter statured hybrid that canopies quickly
- » Very good stalk and excellent root ratings
- » Excellent early seedling vigor for no-till soils and early planting
- » Consistent yields and plant stature under stress conditions



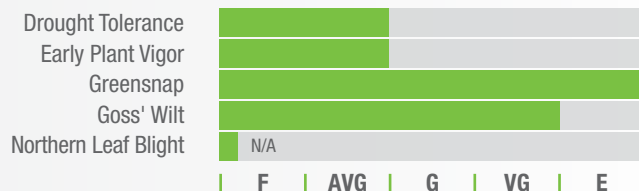
## 65H25 VT2PRIB 114-116 Day Maturity

- » High yield potential over a broad range of environments
- » Very good stalks and drought tolerance
- » Excellent grain quality
- » Excellent test weight



## 67V27 VT2PRIB 116-118 Day Maturity

- » Very good grain quality and test weight
- » Very good roots and plant health
- » Very good test weight
- » Excellent greensnap tolerance



## PLANT CHARACTERISTICS

BRAND	TECH	MATURITY	Cob Color	Ear Height	Ear Type	Kernel Rows	Leaf Angle	Plant Height	Test Weight	Corn on Corn	Drought Tolerance	Early Plant Vigor
51L73	GTA	100-102	P	MH	SFL	14-16	N/A	MT	VG	R	E	VG
57A25	VT2PRIB	106-108	R	MH	SFL	16-18	SU	MT	G	WF	G	VG
58R28	VT2PRIB	107-109	R	M	SD	14-16	SU	M	G	WF	VG	VG
60R50	GENSSRIB	109-111	R	M	SD	14-16	U	M	G	WF	VG	G
61W21	DGVT2PRIB	111-113	R	MH	SFL	16-18	SU	MT	VG	R	VG	VG
62K25	VT2PRIB	111-113	R	ML	D	14-16	SU	M	G	R	E	G
62M25	VT2PRIB	111-113	R	M	SD	16-18	U	MT	G	WF	VG	VG
64A34	VT3PRIB	113-115	R	M	SFL	16-18	SU	MT	VG	R	G	E
64D25	DGVT2PRIB	113-115	P	H	SD	16-18	SU	T	AV	R	VG	G
64G38	3000GT	113-115	P	MH	SF	14-16	N/A	MT	G	N/A	N/A	VG
64T22	VT2PRIB	113-115	R	M	SFL	16-18	SU	MS	VG	WF	VG	E
65H25	VT2PRIB	114-116	R	M	SFL	16-18	SU	M	E	WF	VG	G
67V27	VT2PRIB	116-118	P	MH	SD	14-16	SU	MT	VG	WF	AV	AV

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

COB COLOR: R = Red, P = Pink, W = White

EAR/PLANT HEIGHT: L = Low, ML = Medium-Low, M = Medium, MH = Medium-High, H = High, MT = Medium-Tall, T = Tall

EAR TYPE: D = Determinate, SD = Semi-Determinate, SFX = Semi-Fixed, SFL = Semi-Flex, FL = Flex, FX = Fixed

LEAF ANGLE: SU = Semi-Upright, U = Upright, SF = Semi-Flat







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

HERBICIDE SENSITIVITY: A = Acceptable, W:SU = Warning: SU, C:GR = Caution: GR, C: GR, PI = Caution: GR, PI, C: PI Pre = Caution: PI Pre

PLANT HARDINESS

DISEASE RESISTANCE

Green-snap	Herbicide Sensitivity	Population Tolerance	Root Rating	Stalk Rating	Stay Green	Common Rust	Goss' Wilt	Gray Leaf Spot	Northern Leaf Blight (1)	Northern Leaf Blight (2)	Southern Leaf Blight	Stalk Anthracnose
N/A	N/A	28-34	G	VG	VG	N/A	VG	G	G	N/A	N/A	N/A
N/A	N/A	28-34	VG	G	VG	VG	VG	VG	G	N/A	N/A	N/A
G	A	30-34	VG	AV	G	G	F	F	VG	AV	E	F
E	A	34-38	E	VG	G	G	G	AV	VG	N/A	E	AV
N/A	N/A	28-34	VG	VG	VG	E	G	G	G	N/A	N/A	N/A
G	C:GR	32-36	G	VG	VG	VG	VG	AV	G	G	VG	F
VG	A	32-38	VG	G	AV	VG	VG	AV	VG	N/A	VG	F
G	A	28-34	AV	E	G	N/A	VG	AV	VG	N/A	VG	N/A
E	A	28-32	G	G	G	N/A	E	G	G	N/A	E	VG
N/A	N/A	32-36	VG	VG	G	VG	VG	G	G	N/A	G	N/A
N/A	N/A	28-34	E	VG	F	G	G	F	VG	N/A	N/A	N/A
VG	A	30-36	G	VG	G	N/A	G	VG	E	N/A	E	VG
E	A	32-36	VG	AV	AV	AV	VG	AV	N/A	VG	E	AV

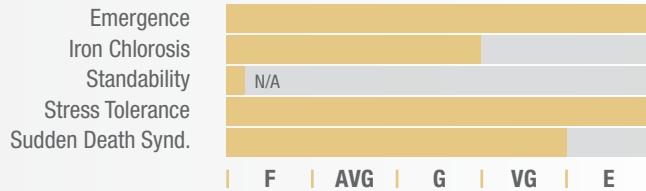
GENSSRIB		SmartStax® RIB Complete® Corn Blend
VT2PRIB		VT Double PRO® RIB Complete® Corn Blend
DGVT2PRIB		DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend
VT3PRIB		Genuity® VT Triple PRO® RIB Complete® Corn Blend
3000GT		Agrisure® 3000GT
GTA		Agrisure Artesian® GTA





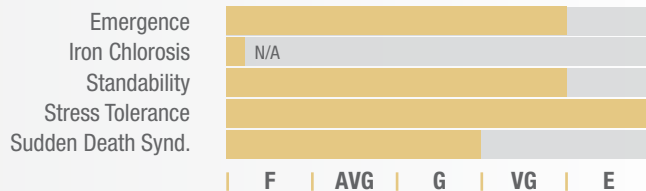
## 3825NL LL 3.8 Relative Maturity

- » Consistent high yield performance
- » Excellent emergence and very good standability
- » Good disease package



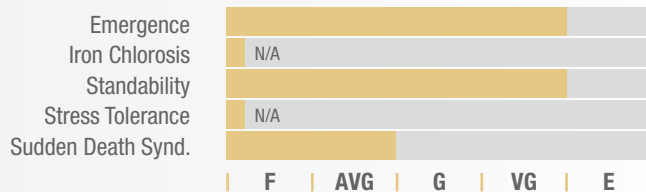
## 3827NRX RR2X 3.8 Relative Maturity

- » Great plant height with good standability
- » Excellent PRR tolerance
- » Use fungicide if Frog Eye is a concern



## 4213NR RR2Y 4.3 Relative Maturity

- » Great versatility across soil types
- » Good shatter tolerance
- » Canopies row quickly
- » "V's" up at harvest



### BENEFITS OF NEW SEED: High Value of New Branded Seed

#### Latest Technology

- Highest yielding soybean technology available
- Six soybean trait products anticipated to come from Monsanto in the next 2-7 years\*
- 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 for quality and meets US Federal Seed Act requirements
- Free of seed-borne diseases
- Properly stored and conditioned

\*Pending regulatory approvals.

### SOYBEAN PIRACY STATEMENT

Seeds containing the Genuity® Roundup Ready 2 Yield® or the Roundup Ready 2 Xtend® traits can only be used to plant a single commercial crop. It is unlawful to save and replant Genuity® Roundup Ready 2 Yield® or Roundup Ready 2 Xtend® soybeans. Additional information and limitations on the use of these products are provided in the Monsanto Technology Stewardship Agreement, the Monsanto Technology Use Guide, and 2016 Technology Use Guide Addendum to include Roundup Ready 2 Xtend® Soybeans. U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsantotechnology.com>

### LIBERTYLINK® PATENT STATEMENT

Seeds containing the LibertyLink® trait are protected under multiple U.S. patents and may be planted only to produce one (1) commercial crop, and only after signing a Bayer Grower Technology Agreement. It is illegal to save or catch seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

## PLANT CHARACTERISTICS

BRAND	TECH	MATURITY	Flower Color	Hilum Color	Oil	Plant Type	Pod Color	Protein	Pubescence Color	Relative Plant Height
<b>3327NRX</b>	RR2X	3.3	P	IBL	20.62	MB	BR	40.64	GR	M+
<b>3517NRX</b>	RR2X	3.5	P	IBL	23	MB	BR	37.9	GR	M
<b>3526NL</b>	LL	3.5	P	BL	21.7	MB	BR	38.6	LTW	M
<b>3813NR</b>	RR2Y	3.8	P	IBL	21.3	MB	BR	41.3	GR	M
<b>3825NL</b>	LL	3.8	W	BL	21.3	MB	T	39.8	LTW	M
<b>3827NRX</b>	RR2X	3.8	P	IBL	22.6	MB	BR	37.4	GR	T
<b>4213NR</b>	RR2Y	4.3	P	IBL	N/A	MB	T	N/A	GR	M

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

FLOWER COLOR: P = Purple, W = White

HILUM COLOR: BR = Brown, BL = Black, IBL = Imperfect Black




PLANT TYPE: MB = Medium-Bush

POD COLOR: T = Tan, BR = Brown

PUBESCENCE COLOR: LTW = Light Tawny, T = Tawny, G = Gray

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

## Soybean Traits

RR2X		Roundup Ready 2 Xtend® Soybeans
RR2Y		Genuity® Roundup Ready 2 Yield® Soybeans
LL		LibertyLink® Soybeans

PLANT HARDINESS

DISEASE RESISTANCE

Emergence Rating	Standability Rating	Stress Tolerance	Brown Stem Rot	Iron Chlorosis	Phytophthora Root Rot	SCN Green-house	SCN Marker	Sudden Death Syndrome	White Mold
VG	VG	VG	R,1.0	VG	Rps 1c, 1.7 Tol	R3, MR 14	PI 88.788	VG	N/A
E	VG	E	MR,1.5	N/A	Rps 1c, 1.8 Tol	R3, MR 14	PI 88.788	VG	N/A
E	N/A	E	VG	G	Rps1k	N/A	N/A	VG	VG
VG	VG	VG	N/A	G	Rps 1c, 1.7 Tol	R3, MR14	PI 88.788	VG	N/A
E	N/A	E	VG	G	Rps1c	N/A	N/A	VG	VG
VG	VG	E	MR,1.5	N/A	HRps 1c, 1.5 Tol	R3, MR 14	PI 88.788	G	N/A
VG	VG	N/A	N/A	N/A	Seg C, 2.1 Tol	R3, MR14	PI 88.788	AV	N/A



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 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.

As of this printing no dicamba herbicide product has been approved for commercial in-crop use with Roundup Ready 2 Xtend® soybeans. **DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO Roundup Ready 2 Xtend® Soybeans in 2016 unless you use a dicamba herbicide product that is specifically labeled for that use in the location where you intend to make the application. While no in-crop use of dicamba is currently approved, some dicamba products may be labeled for weed control prior to planting a crop and subject to minimum plant back restrictions. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO MAKE AN IN-CROP APPLICATION OF ANY DICAMBA HERBICIDE PRODUCT ON Roundup Ready 2 Xtend® Soybeans, OR ANY OTHER PESTICIDE APPLICATION, UNLESS THE PRODUCT LABELING SPECIFICALLY AUTHORIZES THE USE.** 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 and follow all pesticide product labeling.

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. Certain products have been approved for import into key export markets with functioning regulatory systems. Roundup Ready 2 Xtend soybeans have been approved for cultivation in the U.S. and Canada, and for import in Australia/New Zealand, Colombia, China, Japan, Korea, Mexico, Taiwan, and Vietnam. The single events in Roundup Ready 2 Xtend

soybeans have been approved for import in the EU. As of February 2, 2016, E.U. stack approval for Roundup Ready 2 Xtend soybeans is in the final stage of approval and is expected but not guaranteed to be received in the near future. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

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

**IMPORTANT IRM INFORMATION:** Genuity® 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. Always read and follow IRM requirements.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready 2 Xtend Soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended Roundup Ready® Xtend Crop System weed control programs.

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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.



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Respect the Rotation™ is an initiative to elevate the importance and grower adoption of herbicide diversity to prevent or manage weed resistance. Glyphosate weed resistance is a dominating threat throughout the United States that affects land values, rental agreements, conservation tillage and can greatly reduce yields. The use of Integrated Weed Management practices, such as use of residuals, preemergence herbicides and rotation of crops, traits and herbicides, is critical as no one method is likely to be completely successful.



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