



SEED BROCHURE 2018












CORN CHART

PLANT CHARACTERISTICS


PLANT HARDINESS

DISEASE RESISTANCE

BRAND	TECH	ALSO AVAILABLE	MATURITY	PLANT CHARACTERISTICS						PLANT HARDINESS					DISEASE RESISTANCE			
				Black Layer	Ear Height	Ear Type	Leaf Angle	Plant Height	Test Weight	Drought Tolerance	Early Plant Vigor	Population Tolerance	Stalk Rating	Stay Green	Gray Leaf Spot	Northern Leaf Blight (1)	Southern Leaf Blight	Stalk Anthracnose
42P55	SSRIB		91-93	2389	M	D	SU	MT	AV	G	G	H	E	G	AV	G	N/A	G
45A55	SSRIB		94-96	2324	M	SD	SU	M	VG	AV	G	H	VG	VG	AV	G	N/A	AV
48A53	SSRIB		97-99	2500	MH	D	SU	MT	E	G	VG	H	E	G	N/A	G	N/A	N/A
51G55	SSRIB		100-102	2389	M	SD	SU	M	G	VG	G	H	VG	G	AV	G	N/A	VG
51V24	VT2PRIB		100-102	2395	M	SFL	N/A	M	E	VG	G	M-MH	VG	G	AV	VG	N/A	AV
53A25	VT2PRIB		102-104	2451	M	SFL	SF	M	G	G	F	H	AV	F	F	G	E	AV
53P21	VT2PRIB		102-104	2417	M	SFL	N/A	MT	AV	G	E	M-MH	VG	G	AV	G	VG	AV
55M25	VT2PRIB		104-106	2392	MH	SD	SU	T	E	G	G	MH-H	G	AV	F	G	VG	G
56H26	VT2PRIB		106-108	2645	M	SFL	SU	MT	G	VG	G	MH	VG	VG	G	VG	N/A	N/A
56Z50	SSRIB	56Z20 VT2PRIB	105-107	2569	M	SD	U	MT	VG	G	VG	H	G	G	G	G	E	G
57A25	VT2PRIB		106-108	2740	MH	SFL	SU	MT	G	G	VG	MH-H	G	VG	VG	G	N/A	N/A
57H25	VT2PRIB	57M05 Conv	106-108	2669	M	SFL	SU	T	AV	AV	AV	MH-H	G	G	AV	G	VG	AV
57L59	SSRIB		106-108	2688	MH	SD	SU	M	VG	AV	G	MH-H	G	F	AV	N/A	VG	G
60K23	VT2PRIB		109-111	2561	M	SFL	U	MT	G	VG	AV	MH-H	G	AV	AV	VG	VG	AV
62A28	VT2PRIB		111-113	2655	M	SFL	N/A	MT	E	G	VG	M-MH	VG	G	AV	VG	VG	N/A
64B28†	VT2PRIB		113-115	2649	M	SFL	N/A	M	E	G	E	M-MH	VG	AV	AV	VG	VG	N/A
64D25†	DGVT2PRIB		113-115	2625	H	SD	SU	T	AV	VG	G	MH-H	G	G	G	G	E	VG
64K24†	VT2PRIB	64K04 Conv	113-115	2828	ML	SD	U	MS	VG	VG	G	H	VG	F	F	N/A	F	AV
64N21†	VT2PRIB		113-115	2840	M	FL	SU	MT	VG	E	G	MH	G	G	G	VG	N/A	N/A
65H25†	VT2PRIB	65H15 RR2	114-116	2575	M	SFL	SU	M	E	VG	G	MH-H	VG	G	VG	E	E	VG
66A22†	VT2PRIB	66A12 RR2	115-117	2860	MH	F	SU	MT	G	VG	G	MH-H	VG	VG	VG	G	N/A	N/A
66N51†	SSRIB	66N21 VT2PRIB	115-117	2860	MH	SFL	SU	M	VG	VG	G	MH	VG	VG	G	VG	N/A	N/A
66P56	SSRIB		115-117	2776	MH	SD	U	T	E	G	G	MH-H	VG	VG	G	G	N/A	N/A
66R25†	VT2PRIB		115-117	2772	MH	SFL	N/A	MT	E	G	VG	M-MH	E	VG	G	E	VG	AV
66T27	VT2PRIB		115-117	2870	MH	SFL	SU	M	G	VG	G	MH-H	E	G	G	VG	N/A	N/A
68K80	3110		117-119	2890	M	SFL	SU	MT	G	G	G	MH-H	G	VG	VG	F	N/A	N/A

DGVT2PRIB		DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend
SSRIB		SmartStax® RIB Complete® Corn Blend
VT2PRIB		VT Double PRO® RIB Complete® Corn Blend
RR2		Roundup Ready® Corn 2
3110		Agrisure Viptera® 3110
RR2X		Roundup Ready 2 Xtend® Soybeans
RR2Y		Roundup Ready 2 Yield® Soybeans

RATING SCALE: E = Excellent, VG = Very Good, G = Good, A = Average, F = Fair, N/A = Not Available  
 EAR/PLANT HEIGHT: ML = Medium-Low, MS = Medium-Short, M = Medium, MH = Medium-High, H = High, MT = Medium-Tall, T = Tall  
 EAR TYPE: SD = Semi-Determinate, SF = Semi-Fixed, SFL = Semi-Flex, FL = Flex, F = Fixed  
 LEAF ANGLE: SU = Semi-Upright, U = Upright, SF = Semi-Flat  
 POD COLOR: BR = Brown, T = Tan  
 PLANT TYPE: MB = Medium-Bush, TH = Thin  
 RELATIVE PLANT HEIGHT: M = Medium, M+ = Medium+, MT = Medium-Tall, T = Tall  
 SCN GREENHOUSE: R = Resistant, MR = Moderate Resistance, RKN = Root Knot Rating

 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.

**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. 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.biotechstatus.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: 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 DIRECTIONS FOR USE ON PESTICIDE LABELING.** IT IS A VIOLATION OF FEDERAL AND STATE LAW to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. XTENDIMAX™ HERBICIDE WITH VAPORGRIP™ TECHNOLOGY AND IN-CROP USES MAY NOT BE APPROVED IN ALL STATES. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans. Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended weed control programs.

Acceleron®, DroughtGard®, Genuity®, RIB Complete and Design®, RIB Complete®, Roundup Ready PLUS®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup®, SmartStax and Design®, SmartStax®, SR Design®, VT Double PRO® and VT Triple PRO VaporGrip®, and XtendIMax™ are trademarks of Monsanto Technology LLC. LibertyLink and the Water Droplet Design® is a registered trademark of Bayer. Herculex is a registered trademark of Dow AgroSciences LLC. 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.

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.  
**Consult bag tags for E-Z Refuge® product herbicide options; only those labeled GT/LL may be sprayed with glufosinate.** Agrisure®, Agrisure Artesian®, Artesian®, Agrisure Duracade®, Agrisure Viptera® and E-Z Refuge® are trademarks of a Syngenta Group Company. Agrisure® Technology incorporated into these seeds is commercialized under license from Syngenta Seeds, Inc. Herculex® Technology incorporated into these seeds is commercialized under license from Dow AgroSciences LLC. HERCULEX® and the HERCULEX Shield are trademarks of Dow AgroSciences LLC.

**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:** Seed containing a patented trait can only be used to plant a single commercial crop from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to Genuity® Roundup Ready 2 Yield® soybeans, and 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 2017 Roundup Ready 2 Xtend® Soybean Technology Use Guide Supplement. U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsantotechnology.com>

SOYBEAN CHART

PLANT CHARACTERISTICS

PLANT HARDINESS

DISEASE RESISTANCE

BRAND	TECH	RELATIVE MATURITY	Estimated Seed Size	Pod Color	Plant Type	Relative Plant Height	Emergence Rating	Standability Rating	Phytophthora Root Rot	SCN Greenhouse/RKN	Sudden Death Syndrome	Frogeye Resistance
3916NR	RR2Y	3.9	2600-2900	T	Med-Bush	M	VG	E	NG, 2.3 TOL	R3, MR14	E	N/A
4213NR	RR2Y	4.3	2600-2900	T	Med-Bush	M	VG	VG	Seg C, 2.1 TOL	R3, MR14	AV	N/A
4417NRXS	RR2X	4.4	3200-3500	BR	Thin	T	VG	VG	Rps 1c, 2.0 TOL	R3, MR14, RKN	VG	E
4617NRXS	RR2X	4.6	3200-3500	T	Thin	MT	E	VG	Rps 1c, 2.2 TOL	R3, MR14	VG	G
4716NRS	RR2Y	4.7	2300-2600	T	Med-Bush*	M	VG	VG	Rps 1c, 2.3 TOL	R3, MR14	AV	G
4817NRXS	RR2X	4.8	2900-3200	T	Thin	T	E	VG	Rps 1c, 1.5 TOL	R3, MR14	VG	G
4818NRXS	RR2X	4.8	N/A	BR	Med-Bush	M	VG	E	Rps1c, 2.3 TOL	R3, MR14	G	Resistance
4916NR	RR2Y	4.9	3100	T	Med-Bush	M	E	VG	Rps 1c	R3, R14*	N/A	VG
5016NRXS	RR2X	5.0	2900-3200	BR	Med-Bush*	T	VG	VG	Rps 1a, 1.7 TOL	R3, MR14, RKN	VG	G
5617NR	RR2Y	5.6	N/A	T	Med-Bush	MT	E	VG	NG, 2.6 TOL	MR1, RKN	VG	E
5618NRX	RR2X	5.6	N/A	BR	Bush	T	VG	VG	NG, 1.5 TOL	R1, R3, RKN	G	Resistance
6418NRX	RR2X	6.4	N/A	T	Med-Bush	MT	E	VG	NG, 1.8 TOL	MR3, RKN	N/A	A
7018NRX	RR2X	7.0	N/A	T	Med-Bush	MT	VG	VG	NG, 2.0 TOL	MR-MS R3, RKN	N/A	E

† RIB not recommended in cotton-growing areas. Non-RIB option available.

\*Local observations from Tidewater Seed.



## TIDEWATER SEED

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