

The Enlist™ System - Get Control of Tough Weeds



- New 2,4-D Choline
- Glyphosate
- Glufosinate



- Convenient blend of 2,4-D choline and glyphosate
- Two modes of action to deliver control and help prevent resistance in your fields



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Ability to tank-mix with glufosinate and other qualified herbicides, customizing the ratio of herbicides to match each farm's needs

On-Target Applications

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

Corn Traits

SSRIB	SmartStax RIB COMPLETE	SmartStax® RIB Complete® Corn Blend
VT2PRIB	VTDoublePRO RIB COMPLETE	VT Double PRO® RIB Complete® Corn Blend
3220A E-Z	Agrisure Viptera E-ZON E-Z Refuge	Agrisure Viptera® 3220A E-Z Refuge®
DGVT2PRIB	DroughtGard HYBRIDS VTDoublePRO RIB COMPLETE	DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend

Soybean Traits

RR2X	ROUNDUP READY 2 XTEND SOYBEANS	Roundup Ready 2 Xtend® Soybeans
E3	Enlist E3 SOYBEANS	Enlist E3™ Soybeans
LLGT27	LIBERTYLINK G127	LibertyLink® GT27™

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. 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 Biotechnology Industry Organization.

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.

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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 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 and the Monsanto Technology Use Guide. U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsanto.com/technology>

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. 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 seed brand dealer or refer to the Technology Use Guide for recommended weed control programs.

Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides.

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 The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Agrisure®, Agrisure Artesian®, Artesian®, Agrisure Viptera® and E-Z Refuge® are trademarks of a Syngenta Group Company.

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

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LibertyLink® GT27™ soybeans offer triple stack tolerance to Liberty, glyphosate, and, pending EPA approval, the first HPPD based herbicide for soybeans. LibertyLink GT27 is not tolerant to all HPPD herbicides. HPPD herbicides currently on the market are prohibited for use with LibertyLink GT27 soybeans and may result in significant crop injury.

Always read and follow label directions. Liberty and LibertyLink are registered trademarks of BASF. GT27 is a trademark of M.S. Technologies and BASF. M.S. Technologies is a trademark of M.S. Technologies, L.L.C. ©2019 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 18-INT-0014.

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/traits-stewardship.html.

To plant Enlist® seed, you must have a limited license from Dow AgroSciences LLC (or other appropriate affiliates). In consideration of the foregoing, Dow AgroSciences 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.

WARNING: Enlist products are tolerant of over-the-top applications of glyphosate, glufosinate, and 2,4-D. **Accidental application of incompatible herbicides to this variety could result in total crop loss.** When using 2,4-D herbicides, grower agrees to only use 2,4-D products that contain Colex-D technology authorized for use in conjunction with Enlist products.

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 Dow AgroSciences 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/traits-stewardship.html.

Dow AgroSciences is a member of Excellence Through Stewardship® (ETS). Dow AgroSciences 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.biotechstatus.com.

The transgenic soybean event in the Enlist E3™ soybean was jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C.

Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of The Dow Chemical Company ("Dow") or an affiliated company of Dow. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship. DuPont™ and STS™ are trademarks of DuPont or its affiliates.

Varieties with the DuPont™ STS™ gene (STS) are tolerant to certain SU (sulfonyleurea) herbicides. This technology allows post-emergent applications of DuPont™ Synchrony™ XP and DuPont™ Classic™ herbicides without crop injury or stress (see herbicide product labels). NOTE: A soybean variety with a herbicide tolerant trait does not confer tolerance to all herbicides. Spraying herbicides not labeled for a specific soybean variety will result in severe plant injury or plant death. Always read and follow herbicide label directions and precautions for use.

DuPont™ STS™
herbicide tolerant gene



TIDEWATER SEED

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2020 SEED CATALOG

TIDEWATER SEED
DELMARVA - WESTERN MD
PENNSYLVANIA



CORN LEADER BRANDS

51V24 VT2PRIB 100-102 DAY MATURITY

- Very attractive product with very good stalks and roots
- Very good drought tolerance with semi-flex ear
- Well suited for late August harvest
- Excellent stress tolerance
- Very good overall disease package allows for corn on corn

53P21 VT2PRIB 102-104 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 agronomics
- Long ears with good kernel depth
- Good drought tolerance

55A28 VT2PRIB 104-106 DAY MATURITY

- Medium height and ear placement with very good stalks
- Good response to high management and fungicide application
- Best performance at moderate plant populations
- Potential tough acre placement as well as upper end performance

59A25 VT2PRIB 108-110 DAY MATURITY **NEW!**

- Top-end yield potential for maturity
- Excellent stalks and roots
- Very good late season intactness
- New genetics with improved top-end yield

62A28 VT2PRIB 111-113 DAY MATURITY

- Strong performance over wide area
- Very good stalks and roots
- Semi-determinate ear with excellent test weight
- Responds to higher management
- Very good SLB, NLB, and good GLS
- Best under irrigation and well drained soils

63D28 VT2PRIB 112-114 DAY MATURITY

- Widely adapted with outstanding yield potential
- Outstanding agronomic package with excellent test weight
- Excels in high yield environments
- Late season health and intactness
- Very good stress tolerance
- Acceptable for corn on corn

64B28 VT2PRIB 113-115 DAY MATURITY

- Very good stalks and roots with respectable late season intactness
- Strong emergence and early vigor
- Can yield with 64K24
- Excellent test weight on a semi-flex ear
- Best on rotated acres — watch GLS

65H25 VT2PRIB 114-116 DAY MATURITY

- High yield potential over a broad range of environments
- Very good stalks and drought tolerance
- Excellent grain quality and test weight
- Flex ear with showy fall appearance
- Consistent performance over multiple years

SOYBEAN LEADER BRANDS

3818NRX RR2X 3.9 RELATIVE MATURITY

- Attractive gray/tan, medium-tall plant
- Very good SDS tolerance
- Branching bush type plant
- Excellent stress tolerance
- Full season or double crop

4230GTLS LLGT27/SR 4.2 RELATIVE MATURITY **NEW!**

- Light tawny with excellent standability
- Medium bush plant
- Resistant to Stem Canker
- Very good Frogeye

4320NRXS RR2X/SR 4.3 RELATIVE MATURITY **NEW!**

- Light tawny with medium bush plant
- Very good SDS and Frogeye ratings
- Ideal for full season or double crop

4530GTLS LLGT27/SR 4.5 RELATIVE MATURITY **NEW!**

- Light tawny with medium bush plant
- Medium plant height with very good standability
- Very good Frogeye

4620NRXS RR2X/SR 4.6 RELATIVE MATURITY

- Widely adapted to all cropping systems
- Attractive tawny/tan with medium bush plant
- Strong SDS and Stem Canker resistance
- SR Tolerant

4630ES E3/SR 4.6 RELATIVE MATURITY

- Attractive tawny/tan with medium height
- Well adapted to lighter soils
- Excellent Frogeye protection and Stem Canker resistance

4640GTL LLGT27 4.6 RELATIVE MATURITY **NEW!**

- Widely adapted to all soils
- Excellent standability
- Light tawny
- Excellent Frogeye

4730NRXS RR2X/SR 4.7 RELATIVE MATURITY **NEW!**

- Gray/brown with medium bush plant
- Resistant to Stem Canker
- Good SDS and Frogeye scores
- Widely adapted to all cropping systems

CORN CHART

BRAND	TECH	ALSO AVAILABLE	MATURITY	PLANT CHARACTERISTICS					PLANT HARDINESS					DISEASE RESISTANCE			
				GNU's Black Layer	Ear Height	Ear Type	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
45A55	SSRIB		94-96	2324	M	SD	M	VG	AV	G	H	VG	VG	AV	G	N/A	AV
51V24	VT2PRIB		100-102	2395	M	SFL	MT	E	VG	G	M-MH	VG	G	AV	VG	VG	AV
53P21	VT2PRIB		102-104	2417	M	SFL	MT	G	G	E	M-MH	VG	VG	AV	G	VG	AV
55A28	VT2PRIB		104-106	2482	M	SD	MT	E	G	G	M-MH	VG	VG	AV	AV	G	AV
56H26	VT2PRIB		106-108	2645	M	SFL	MT	G	VG	G	MH	VG	G	VG	VG	N/A	N/A
56Z20	VT2PRIB		105-107	2569	M	SD	MT	VG	G	VG	H	G	G	G	G	E	G
57A25	VT2PRIB		106-108	2740	MH	SFL	MT	G	G	VG	MH-H	G	VG	VG	G	N/A	N/A
57M05	CONV		106-108	2669	M	SFL	T	AV	AV	AV	MH-H	G	G	AV	G	VG	AV
58W24	VT2PRIB		107-109	2583	M	SD	M	VG	G	G	M-MH	VG	VG	G	VG	G	VG
NEW! 59A25	VT2PRIB		108-110	2538	MH	SD	T	AV	AV	VG	M-MH	VG	VG	G	G	VG	G
59Q22	3220A E-Z		108-110	N/A	M	SFL	M	M	N/A	G	M-MH	G	G	VG	VG	G	N/A
60P29	VT2PRIB		109-111	2563	M	SFL	M	VG	G	E	M-MH	VG	VG	G	VG	VG	E
NEW! 61P24	VT2PRIB		110-112	2626	M	SD	M	G	AV	G	MH	G	AV	AV	VG	VG	G
62A28	VT2PRIB	62A58 SSRIB, 62A08 CONV	111-113	2655	M	SD	MT	VG	G	VG	M-MH	G	G	G	VG	VG	G
63D28	VT2PRIB		112-114	2790	M	SFL	MT	VG	VG	G	MH	VG	VG	VG	VG	N/A	N/A
64B28	VT2PRIB		113-115	2649	M	SFL	M	E	G	E	M-MH	VG	AV	AV	VG	VG	AV
64K24	VT2PRIB		113-115	2828	ML	SD	MS	VG	VG	G	H	VG	F	F	N/A	F	AV
NEW! 65D28	DGVT2PRIB		114-116	2629	M	SD	MT	G	VG	G	M-MH	VG	VG	G	E	G	G
65H25	VT2PRIB		114-116	2575	M	SFL	M	E	VG	G	MH-H	VG	G	VG	E	E	VG
66N21	VT2PRIB	66N51 SSRIB	115-117	2860	MH	SFL	M	VG	VG	G	MH-H	VG	VG	G	VG	N/A	N/A
66R25	VT2PRIB	66R55 SSRIB	115-117	2772	MH	SFL	MT	E	VG	VG	M-MH	E	E	G	E	VG	VG

SOYBEAN CHART

BRAND	TECH	MATURITY	Plant Type	Pod	Relative Plant Height	Emergence	Standability	Phytophthora Gene	SCN Greenhouse	Root Knot	DISEASE RESISTANCE	
											Sudden Death Syndrome	Frogeye
3818NRX	RR2X	3.9	B	T	MT	VG	VG	NG, 1.9 TOL	R3, MR14	-	VG	G
NEW! 4230GTLS	LLGT27/SR	4.2	MB	BR	M	VG	E	HRps 1a	R3, MR14	-	N/A	VG
NEW! 4320NRXS	RR2X/SR	4.3	MB	BR	MT	E	VG	Rps 1c, 6.0 MT	R3, MR14	-	VG	VG
4417NRXS	RR2X/SR	4.4	TH	BR	T	VG	VG	Rps 1c, 2.0 TOL	R3, MR 14	Moderate Resistance	VG	E
NEW! 4520NRXS	RR2X/SR	4.5	MB	T	M	E	VG	Rps 1c, 5.0 MS	R3, MR14	-	E	G
NEW! 4530GTLS	LLGT27/SR	4.5	B	BR	M	VG	VG	Rps 1a	R3, MR14	-	N/A	VG
NEW! 4620NRXS	RR2X/SR	4.6	MB	T	M	VG	VG	Rps 1c, 7.0 MT	R3, MR14	-	E	VG
NEW! 4630ES	E3/SR	4.6	MB	T	M	AV	VG	NG	R3, MR14	-	N/A	E
NEW! 4640GTL	LLGT27	4.6	MB	BR	MT	VG	E	NG, 7.0 TOL	R3, MR14	-	N/A	E
NEW! 4730NRXS	RR2X/SR	4.7	MB	BR	MT	E	VG	HRps 1c, 5.0 MS	R3, MR14	-	VG	G
5016NRXS	RR2X/SR	5.0	N/A	BR	T	VG	VG	Rps 1a, 1.7 TOL	R3, MR 14	Resistant	VG	G

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

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

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

EAR TYPE: SD = Semi-Determinate, SFL = Semi-Flex

POD: T = Tan, BR = Brown

PLANT TYPE: TH = Thin, B = Bush, MB = Medium-Bush

3220A E-Z - Agrisure Viptera® 3220A E-Z Refuge®, CONV - Conventional, 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, SR - Sulfonyleurea Resistant

RR2X - Roundup Ready 2 Xtend® Soybeans, E3 - Enlist E3™ Soybeans, LLGT27 - LibertyLink® GT27™