

Xitavo™
Soybean Seed

DISTRIBUTED BY
BASF Corporation
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Research Triangle Park, North Carolina 27709

Always read and follow label directions.
XITAVO is a trademark of M.S. Technologies, L.L.C., West Point, IA. Liberty is a registered trademark of BASF.

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Product Use Statement: Enlist E3[®] soybeans contain the Enlist E3 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 burn-down, 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 E3 soybeans.

Warning: Enlist E3 soybeans 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 E3 soybeans. Always read and follow herbicide label directions prior to use.

YOU MUST SIGN A TECHNOLOGY AGREEMENT, READ THE PRODUCT USE GUIDE PRIOR TO PLANTING AND FOLLOW HERBICIDE RESISTANCE MANAGEMENT (HRM) REQUIREMENTS.

The transgenic event in the Enlist E3[®] soybean is protected under Corteva Agriscience and M.S. Technologies, L.L.C. Patent Rights which can be found at: www.corteva.us/Resources/trait-stewardship.html.

The transgenic event in the Enlist E3[®] soybean event in Enlist E3[®] soybeans is 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 Dow AgroSciences LLC.

Please read the M.S. Technologies, L.L.C. Use Restriction Agreement located at: - <http://www.mstechseed.com/use-restriction-agreement/>

Xitavo™
Soybean Seed

Enlist E3
SOYBEANS

SOYBEAN SEED

2022 VARIETY QUICK GUIDE

DISTRIBUTED BY BASF CORPORATION

Xitavo Soybean Seed

Stacked in your favor.

Introducing Xitavo™ soybean seed from MS Technologies and distributed exclusively by BASF. This triple-stacked herbicide-tolerant traited seed is supported by the versatility of BASF's crop protection portfolio and a dedicated team of agronomic experts. You can be confident in your seed and trait decision when you plant an Xitavo variety.

Agronomic Expertise

- Experienced teams of BASF Agronomic Solutions Advisors, Agronomists and Authorized Retailers bring guidance and local support to your operation
- Providing in-depth insights on seed, traits, seed treatment and crop protection
- Dedicated to delivering better production and performance on every soybean acre
- On-farm planning utilizing the latest digital tools and agronomic insights to ensure your crop reaches its full potential from seed to bin

Research and Development

- Trait Development
 - Delivering GM and non-GM trait solutions to meet evolving farmer needs globally
 - Deriving quality data utilizing screening technologies from different genetic backgrounds and environments to enable timely commercialization
- Breeding Stations
 - Five state-of-the-art soybean breeding facilities and testing network across North America to ensure varietal adaptability locally
 - Develop and apply new breeding approaches and technologies to increase genetic gain more rapidly
 - Development of superior varieties with top yield potential, defensive characteristics, improved agronomics, and traits of value such as herbicide and insect genes
- Pathology
 - Greenhouse assays and field disease trials evaluating all the major soybean pathogens to ensure complete characterization of commercial lines increasing variety positioning and placement confidence
 - Supports breeding in molecular marker development and resistance mapping

Continuous Innovation

- Industry-leading soybean trait pipeline with stacked herbicide traits
- The most robust soybean crop protection pipeline in the industry
- Elite germplasm and market-leading trait packages designed to deliver varieties that fit your needs

Peace of Mind

- Extensive data on each variety developed from testing in a wide variety of conditions
- Best-in-class seed production practices that leave nothing to chance
- Rigorous testing that goes above and beyond industry standards
- Meticulous assessment at every stage, from harvest to shipping
- Liberty Herbicide Weed Control Guarantee program*

Proven Portfolio

- A national lineup of high-performing soybean seed varieties enabling you to plant multiple varieties on your farm to maximize your ROI
- Leading seed treatment options that enhance emergence and early vigor
- Complete selection of top-of-the-line crop protection solutions

*See full program terms and conditions at yourliberty-herbicide.com

Xitavo™ 2022 Varieties

Soybean Seed

PRODUCT BRAND

XO 0101E

XO 0311E

XO 0521E

NEW XO 0602E

XO 0731E

XO 1041E

NEW XO 1212E

NEW XO 1372E

XO 1451E

NEW XO 1632E

XO 1761E

NEW XO 1822E

XO 1971E

XO 2181E

NEW XO 2282E

NEW XO 2472E

XO 2501E

NEW XO 2832E

XO 2921E

XO 3131E

XO 3341E

NEW XO 3402E

XO 3651E

NEW XO 3752E

XO 3861E

NEW XO 3922E

NEW XO 4132E

XO 4371E

NEW XO 4522E

XO 4681E

NEW XO 4772E

Herbicide-Tolerant Trait Name	Herbicide Group Tolerance	Relative Maturity	Plant Height	Hilum Color	Flower Color	Pubescence	Pod Color	Seed Size (seeds per lb.)	Standability	Sudden Death Syndrome	Frogeye Leaf Spot (Field Rating)	Chloride Sensitivity	Phytophthora Source	Phytophthora PRR (Field Tolerance)	Stem Canker	Brown Stem Rot	Sclerotinia White Mold	Soybean Cyst Nematode	Iron Deficiency Chlorosis	Sulfonylurea Tolerance
Enlist E3®	4 9 10	0.1	Med/Avg	Buff	Purple	Gray	Tan	2800	3	-	-	SEG	Rps3a	2	-	5	4	-	4	-
Enlist E3	4 9 10	0.3	Medium	Buff	White	Gray	Tan	2950	3	-	-	Includer	-	4	1	-	5	R3,MR14	3	-
Enlist E3	4 9 10	0.5	Med/Tall	Buff	Purple	Gray	Tan	2800	5	-	-	SEG	Rps3a	3	1	-	4	-	3	-
Enlist E3	4 9 10	0.6	Medium	Buff	Purple	Gray	Tan	3950	2	-	-	Excluder	-	4	1	-	4	R3,MR14	4	-
Enlist E3	4 9 10	0.7	Med/Avg	Imp Black	Purple	Gray	Brown	2250	3	-	-	SEG	Rps1c/3a	2	1	-	3	R3,MR14	3	-
Enlist E3	4 9 10	1.0	Medium	Gray	Purple	Gray	Brown	2400	4	5	-	Excluder	-	3	1	1	4	R3,MR14	5	-
Enlist E3	4 9 10	1.2	Med/Tall	Imp Black	Purple	Gray	Tan	2600	3	2	-	Excluder	Rps1c	3	1	-	4	R3,MR14	3	-
Enlist E3	4 9 10	1.3	Medium	Imp Black	Purple	Gray	Brown	2450	3	4	-	Includer	-	4	1	-	4	R3,MR14	4	1
Enlist E3	4 9 10	1.4	Med/Tall	Imp Black	Purple	Gray	Brown	2700	3	5	4	Includer	Rps1k	3	1	1	4	R3,MR14	5	-
Enlist E3	4 9 10	1.6	Medium	Buff	Purple	Gray	Tan	3200	3	3	-	Includer	Rps3a	2	1	1	4	R3,MR14	3	-
Enlist E3	4 9 10	1.7	Med/Avg	Imp Black	Purple	Gray	Brown	2600	3	4	4	Includer	Rps1k	3	1	-	3	R3,MR14	4	-
Enlist E3	4 9 10	1.8	Med/Avg	Buff	Purple	Gray	Tan	3200	4	3	-	Includer	Rps3a	2	1	3	5	R3,MR14	4	-
Enlist E3	4 9 10	1.9	Med/Tall	Imp Black	Purple	Gray	Brown	2450	3	3	4	SEG	NG	3	1	3	3	R3,MR14	5	-
Enlist E3	4 9 10	2.1	Med/Tall	Imp Black	Purple	Gray	Brown	2650	3	4	4	Includer	Rps1k	3	1	1	3	R3,MR14	5	-
Enlist E3	4 9 10	2.2	Med/Avg	Buff	White	Gray	Tan	3000	3	4	-	Includer	-	3	-	1	4	R3,MR14	4	-
Enlist E3	4 9 10	2.4	Med/Avg	Buff	White	Gray	Tan	3250	4	4	4	-	Rps1k	3	-	1	5	R3,MR14	4	1
Enlist E3	4 9 10	2.5	Med/Tall	Imp Black	Purple	Gray	Brown	2600	5	3	2	Includer	NG	3	1	1	6	R3,MR14	2	-
Enlist E3	4 9 10	2.8	Med/Avg	Imp Black	Purple	Gray	Brown	3100	3	5	-	-	Rps1k	3	-	5	-	R3,MR14	4	-
Enlist E3	4 9 10	2.9	Med/Tall	Imp Black	Purple	Gray	Tan	2500	1	4	3	Includer	NG	2	1	1	3	R3,MR14	6	-
Enlist E3	4 9 10	3.1	Med/Tall	Buff	White	Gray	Brown	2800	3	5	2	Includer	Rps1c	2	1	3	5	R3,MR14	5	-
Enlist E3	4 9 10	3.3	Med/Tall	Brown	Purple	Lt. Tawny	Brown	2800	4	5	4	Includer	NG	3	1	3	5	R3,MR14	2	-
Enlist E3	4 9 10	3.4	Med/Tall	Black	Purple	Lt. Tawny	Brown	3250	3	3	4	Includer	NG	3	1	1	4	R3,MR14	4	-
Enlist E3	4 9 10	3.6	Med/Tall	Imp Black	Purple	Gray	Tan	2450	3	3	4	Includer	Rps1k	3	1	1	5	R3,MR14	4	-
Enlist E3	4 9 10	3.7	Med/Avg	Black	Purple	Lt. Tawny	Brown	2900	3	3	4	Includer	Rps1k	4	1	1	5	R3,MR14	5	1
Enlist E3	4 9 10	3.8	Medium	Brown	White	Lt. Tawny	Brown	2600	3	4	2	Includer	Rps1k	4	1	5	-	R3,MR14	5	1
Enlist E3	4 9 10	3.9	Med/Avg	Brown	White	Lt. Tawny	Tan	3000	2	5	4	Includer	Rps1k	3	1	-	-	R3,MR14	3	-
Enlist E3	4 9 10	4.1	Med/Tall	Brown	White	Lt. Tawny	Brown	2950	4	4	3	Includer	-	4	1	-	-	R3,MR14	-	-
Enlist E3	4 9 10	4.3	Med/Tall	Brown	White	Lt. Tawny	Brown	3000	4	3	2	Includer	NG	4	1	-	-	R3,MR14	-	-
Enlist E3	4 9 10	4.5	Med/Avg	Buff	White	Gray	Brown	3050	3	4	3	Includer	-	4	1	-	-	R3,MR14	-	-
Enlist E3	4 9 10	4.6	Med/Tall	Imp Black	Purple	Gray	Brown	3550	3	3	5	Excluder	NG	4	1	-	-	R3,MR14	-	1
Enlist E3	4 9 10	4.7	Med/Tall	Buff	White	Gray	Brown	2550	4	4	3	Excluder	-	5	1	-	-	R3,MR14	-	-

Group 4: Synthetic Auxins
Group 9: EPSP Synthase Inhibitor

Group 10: Glutamine Synthetase Inhibitor
Group 27: HPPD Inhibitors

RATING SCALE:

1: Excellent

9: Poor

- : Testing Underway