



2023

PRODUCT GUIDE

ENLIST E3[®] SOYBEANS

DISTRIBUTED BY CORNELIUS SEED



PROVEN PERFORMANCE

Greetings!

Cornelius Seed continues to be the exclusive distributor of the P3® Genetics soybean brand in Iowa, Wisconsin, and Illinois.

P3 Genetics is a brand owned by M.S. Technologies, L.L.C. who is a privately-owned company leading the way in trait, technology, and soybean genetics. The P3 Genetics brand portfolio will include Enlist E3® soybeans.

KEY POINTS

The P3 Genetics brand name comes from the tagline “The Power of Proven Performance” which incorporates the brand’s three P’s:

- **POWER** of elite genetics.
- **PROVEN** through Cornelius Seed’s extensive testing.
- **PERFORMANCE** right here in Cornelius Country.

From the grower’s viewpoint, the only difference will be a P3 Genetics variety number and logo on the bag. The Cornelius Seed team remains responsible for:

- Selecting the products for the P3 lineup through the same rigorous selection process which has always been in place.
- Producing, conditioning, treating, and packaging the seed to the same above-industry standards that have built our company’s reputation for product excellence.

From the Cornelius Seed viewpoint, this distribution arrangement is beneficial for the following reasons:

- Provides products at a more profitable price point to the grower.
- Allows us access to some of the best soybean genetics in the Enlist E3® platform.
- Allows us to gain access to some products we may not have otherwise had.
- P3® Genetics come from multiple breeding programs.
- Cornelius Seed will choose the products that fit our growers (from hundreds of product options) utilizing our own selection system.
- Cornelius Seed has developed strict quality testing protocols.

As an independent company, Cornelius Seed has an opportunity to give growers a real advantage in the marketplace! We continue to look for new opportunities to help our customers be more successful and profitable.

If you have questions, please reach out to your DSM or give the office a call.

Plant it. Profit.

Will Cornelius

Soybean Lead



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.

 **Enlist Duo®**
COLEX-D® technology
HERBICIDE

- 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

 **Enlist One®**
COLEX-D® technology
HERBICIDE

- 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

On-Target Application

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




8-9 = Excellent 7 = Very Good 6 = Good 5 = Average 3-4 = Below Average 1-2 = Poor
 NG = No Gene NA = Not Applicable MR = Moderate Resistant R = Resistant


<p>2108E</p> <p>0.8 RM</p>  <p>NEW!</p>	<p>Emergence 8</p> <p>Standability 7</p> <p>Sudden Death NA</p> <p>Brown Stem Rot NG</p>	<ul style="list-style-type: none"> ▪ 3+ years of top performance ▪ Widely adaptable ▪ Replaces CB07R77 as early option
<p>2216E</p> <p>1.6 RM</p>  <p>NEW!</p>	<p>Emergence 8</p> <p>Standability 9</p> <p>Sudden Death 7</p> <p>Brown Stem Rot R</p>	<ul style="list-style-type: none"> ▪ Comes south well as an early option ▪ Excellent standability and yield potential ▪ Great defensive and agronomic packages
<p>2218E</p> <p>1.8 RM</p> 	<p>Emergence 8</p> <p>Standability 7</p> <p>Sudden Death 8</p> <p>Brown Stem Rot MR</p>	<ul style="list-style-type: none"> ▪ Amazing yield potential ▪ Excellent for SDS and PRR pressure ▪ Very solid agronomic package
<p>2320E</p> <p>2.0 RM</p>  <p>NEW!</p>	<p>Emergence 8</p> <p>Standability 7</p> <p>Sudden Death 7</p> <p>Brown Stem Rot R</p>	<ul style="list-style-type: none"> ▪ Impressive yield improvement over previous generation lines ▪ Great branching ability ▪ BSR and Stem Canker resistant
<p>2021E</p> <p>2.1 RM</p> 	<p>Emergence 8</p> <p>Standability 7</p> <p>Sudden Death 8</p> <p>Brown Stem Rot R</p>	<ul style="list-style-type: none"> ▪ Multiple years of solid performance ▪ Stacked PRR tolerance and excellent on SDS and BSR ▪ Moves south well
<p>2322E</p> <p>2.2 RM</p>  <p>NEW!</p>	<p>Emergence 8</p> <p>Standability 7</p> <p>Sudden Death 7</p> <p>Brown Stem Rot NG</p>	<ul style="list-style-type: none"> ▪ 4+ years of consistent top end performance ▪ Solid agronomics to support yield potential ▪ BSR and Stem Canker resistant


NOTES

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2234E			
3.4 RM		Emergence 8	<ul style="list-style-type: none"> ▪ A complete package ▪ Awesome yields with excellent agronomics ▪ Broad acre bean
		Standability 7	
		Sudden Death 7	
		Brown Stem Rot R	

NOTES

2136E			
3.6 RM		Emergence 7	<ul style="list-style-type: none"> ▪ Solid, multi-year top tier performance ▪ Resistant to SCN, BSR, and Stem Canker ▪ Use caution with heavy Frog Eye pressure
		Standability 7	
		Sudden Death 7	
		Brown Stem Rot R	

2039E			
3.9 RM		Emergence 8	<ul style="list-style-type: none"> ▪ Multi-year top performer ▪ Excellent SDS tolerance ▪ Best suited for Illinois and west
		Standability 7	
		Sudden Death 8	
		Brown Stem Rot NG	

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 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 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 Corteva Agriscience and M.S. Technologies, L.L.C. [®]™ Enlist, Enlist E3, the Enlist E3 log and Colex-D are trademarks of Corteva Agriscience.

P3 IS A REGISTERED TRADEMARK OF M.S. TECHNOLOGIES, L.L.C., WEST POINT, IA.

SEED USE RESTRICTION AGREEMENT

This Seed Use Restriction Agreement (the "Agreement") applies to all users ("User(s)") of the seed ("Seed") contained in this package. If you purchase the Seed, you agree that you and any person or entity, including employees, representatives, contractors and agents thereof, who plant, grow, cultivate or otherwise use the Seed, will abide by these use restrictions. If you open or cause any person or entity to open a package of Seed, you agree that you accept the terms of this Agreement, and you, your employees, representatives, contractors and agents will abide by these use restrictions.

SEED USE AGREEMENT

M.S. Technologies, L.L.C. ("MS TECH") and its suppliers are engaged in the business of developing and supplying for sale various varieties and/or hybrids of Seed. MS TECH and its suppliers have a substantial investment and expended substantial effort in the development and production of this seed, and in the use of subsequent production of Seed. MS TECH and its suppliers have existing contractual relationships with other distributors for the sale of seed and expectations of additional contracts for sale of seed from such distributors in the future. The purchase of the Seed includes a limited license to produce a single crop under MS TECH property rights, including where applicable certain U.S. patents which can be found on the package and seed tags.

In consideration of the foregoing, and in consideration of the Seed that User has been sold or otherwise granted the right to use, User hereby acknowledges and agrees that the production from the Seed will be used only for feed or processing, and unless USER has an agreement for such purposes, Seed and plants produced from Seed will not be used or sold for seed, breeding, or any variety or hybrid development or improvement purposes; these restrictions apply to all plants produced from Seed, including without limitation variant and inbred plants and Seed that may be contained in this package or grow from Seed. User acknowledges MS TECH and its suppliers have a proprietary interest in the use of subsequent production from the Seed, and agrees it would be a violation of this Agreement to allow the subsequent production of the Seed to be used to create any seed variety or seed product from said production. Any export of this Seed or its progeny from the country of purchase is strictly prohibited, except that forage or grain may be exported solely for use in feeding or processing.

User agrees and acknowledges that any use of the Seed, which is forbidden by this Agreement will constitute a misappropriation of the property of MS TECH and its suppliers and will therefore result in a breach of this Agreement. User agrees that MS TECH and/or its suppliers may bring an action to recover damages as a result of the breach of this Agreement, along with reasonable attorney fees and costs associated with any action commenced in regard thereto.

User further agrees that the exclusive venue for any dispute arising under this Agreement or in connection to any breach thereof shall be in the federal or state courts for Dallas County, Iowa, and hereby irrevocably consents to the personal jurisdiction of such courts. This Agreement shall be governed under the laws of the State of Iowa.

User agrees and acknowledges that any use of the Seed, which is forbidden by this Agreement, will damage MS TECH and its suppliers' legitimate expectation of future sales of seed, and any use of Seed in violation of this Agreement will constitute an attempt to intentionally injure or destroy MS TECH and its suppliers' prospective business expectations in future sales of seed.

User agrees and acknowledges that any use of Seed from MS TECH in violation of this Agreement will cause substantial damage to MS TECH and/or its suppliers, and that if subsequent production of the Seed is used to create a seed variety or seed product, substantial damage to MS TECH and/or its suppliers for all seed varieties or seed products thereby created will be caused. This Agreement shall not limit any other rights, legal or equitable, that MS TECH and its suppliers have but shall be accumulative.

User agrees to only use agricultural herbicide that are expressly labeled for use in conjunction with the Seed and have received government approvals as specified in a product use guide.

NOTICE OF REQUIRED ARBITRATION

Under the seed laws of several states arbitration, mediation or conciliation is required as a prerequisite to maintaining a legal action based upon the failure of seed to produce as represented. The consumer shall file a complaint along with the required filing fee (where applicable) with the Commissioner/Director/Secretary of Agriculture, Seed Commissioner, or Chief Agricultural Officer within such time as to permit inspection of the crops, plants or trees by the designated agency and the seller from whom the seed was purchased. A copy of the complaint shall be sent to the seller by certified or registered mail or as otherwise provided by state statute.

OTHER TERMS & CONDITIONS

For sale in the U.S. only. MS TECH assumes no responsibility for MS TECH's supplier's, distributor's or dealer's verbal and/or written claims, promises, warranties or actions which are contrary to MS TECH's normal operating policies. USER must notify MS TECH within fourteen (14) days of becoming aware of alleged issues regarding the quality or performance of the Seed.

LIMITATION OF WARRANTIES & DAMAGES

MS TECH warrants, to the extent of the purchase price and to the extent that the packaging and label have not been compromised, that the Seed is as described on the package and on the tag attached thereto within recognized tolerances. MS TECH gives no other WARRANTY, expressed or implied, of MERCHANTABILITY or FITNESS of the Seed for any particular purpose, nor any warranty against loss due to any cause, including environmental conditions, soil conditions, chemicals or farming practices, or the response of the Seed to any such conditions. MS TECH shall not be liable for incidental or consequential damages, including loss of profits. MS TECH'S LIABILITY for damages for any cause, including breach of contract, breach of warranty, and negligence, with respect to the sale of seed is LIMITED to the purchase price of the Seed. THIS REMEDY IS EXCLUSIVE. BY ACCEPTANCE OF THIS SEED OR OPENING THIS PACKAGE, USER ACCEPTS THE TERMS HEREIN. IF USER DOES NOT AGREE WITH THESE TERMS AND CONDITIONS, USER MUST RETURN THE ORIGINAL UNOPENED SEED PACKAGE TO MS TECH WITHIN TWENTY DAYS OF RECEIPT AND USER'S SOLE REMEDY SHALL BE FOR REFUND OF THE USER'S ORIGINAL PURCHASE PRICE. MS TECH may modify and amend the terms and conditions of this Agreement without notice and in its sole discretion.

MS TECH has utilized standard industry isolation and purity procedures in the production of seed products. Because of contamination factors beyond MS TECH's control, MS TECH cannot warrant or represent that MS TECH seed products are free of other transgenic corn traits or transgenic soybean traits. Words and phrases herein shall be construed as in the singular or plural number, according to the context.

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05/19/20

Acceleron[®], Roundup Ready 2 Yield[®], Roundup Ready[®] and XtendFlex[®] are registered trademarks of Bayer Group.



Variety	Technology	New	RM	Emergence	Stability	Sudden Death Syndrome	Iron Chlorosis	Phytophthora	Phytophthora Gene	Stem Canker	Brown Stem Rot	White Mold	Frogeye Leaf Spot	Soybean Cyst Nematode Gene	Plant Height	Plant Type	Row Widths
2108E	Enlist	NEW	0.8	8	7	NA	7	8	Rps3a & Rps1c	R	NG	6	NA	PI88788	Medium Tall	Medium	All
2216E	Enlist	NEW	1.6	8	9	7	7	8	Rps3a	R	R	7	NA	PI88788	Medium	Medium	All
2218E	Enlist		1.8	8	7	8	7	8	Rps3a	R	MR	6	NA	PI88788	Medium Tall	Medium	All
2320E	Enlist	NEW	2.0	8	7	7	6	7	Rps1k	R	R	7	NA	PI88788	Medium Tall	Medium	All
2021E	Enlist		2.1	8	7	8	7	8	Rps3a & Rps1c	NA	R	7	NA	PI88788	Medium Tall	Medium	All
2322E	Enlist	NEW	2.2	8	7	7	7	7	H-Rps3a & Rps1c	R	NG	7	7	PI88788	Medium Tall	Medium	All
2223E	Enlist		2.3	8	7	6	7	8	Rps1k	NA	R	7	NA	PI88788	Medium Tall	Medium	All
1924E	Enlist		2.4	8	8	8	7	8	Rps1k	NA	R	7	NA	PI88788	Medium Tall	Medium	All
2326E	Enlist	NEW	2.6	7	7	7	6	7	Rps1k	R	R	6	NA	PI88788	Medium Tall	Medium Bush	All
1928E	Enlist		2.8	8	8	7	7	8	Rps1k	NA	R	6	NA	PI88788	Medium Tall	Medium Bush	All
2229E	Enlist		2.9	8	7	6	7	8	Rps1k	NA	NG	NA	NA	PI88788	Medium Tall	Medium Bush	All
2331E	Enlist	NEW	3.1	7	7	7	6	7	Rps1c	R	NG	NA	6	PI88788	Medium Tall	Medium	All
2234E	Enlist		3.4	8	7	7	7	7	Rps1k	R	R	6	NA	PI88788	Medium Tall	Medium	All
2136E	Enlist		3.6	7	7	7	NA	7	Rps1k	R	R	NA	NA	PI88788	Medium Tall	Bush	All
2039E	Enlist		3.9	8	7	8	7	8	NG	NA	NG	NA	NA	PI88788	Medium Tall	Medium	All

Enlist = Enlist E3[®] Soybeans, NG = No Gene, NA = Not Applicable, MR = Moderate Resistant, R = Resistant
 Ratings: 8-9 = Excellent, 7 = Very Good, 6 = Good, 5 = Average, 3-4 = Below Average, 1-2 = Poor

SOYBEAN TRAIT HERBICIDE RESISTANCE GUIDE		HERBICIDE EXAMPLE			
		Glyphosate	Glufosinate	Dicamba	2-4D
	Enlist E3 [®] Soybeans	X	X		X
	XtendFlex [®] Soybeans	X	X	X	

Roundup[®]

Liberty[®]

Enlist Duo[®]
Enlist One[®]



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