



2024 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 brand 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.
- 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

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

2108E

0.8 RM



Emergence	8
Standability	7
Sudden Death	7
Brown Stem Rot	NG

- Competes with group 2 beans on yield
- Widely adaptable
- Ultra early harvest option that preforms

2216E

1.6 RM



Emergence	8
Standability	9
Sudden Death	7
Brown Stem Rot	R

- Comes south well as an early option
- Excellent standability and yield potential
- Great defensive and agronomic packages

2218E

1.8 RM



Emergence	8
Standability	7
Sudden Death	8
Brown Stem Rot	MR

- Amazing yield potential
- Excellent for SDS and PRR pressure
- Very solid agronomic package

2320E

2.0 RM



Emergence	8
Standability	7
Sudden Death	7
Brown Stem Rot	R

- Impressive yield performance
- Great branching ability
- BSR and Stem Canker resistant

2421E

2.1 RM



NEW!

Emergence	8
Standability	7
Sudden Death	6
Brown Stem Rot	R

- Yields with other elite P3 lines
- IDC bean for high pH soils
- 2021E is a parent to this line

2322E

2.2 RM







Emergence	8
Standability	7
Sudden Death	7
Brown Stem Rot	NG

- Consistent top end performance
- Solid agronomics to support yield potential
- Stem Canker resistant


NOTES




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

1924E				NOTES
2.4 RM 	Emergence	8	<ul style="list-style-type: none"> ▪ "Old Reliable" that continues to perform ▪ Excellent standability and stress tolerance ▪ An all-around, go-anywhere type of soybean 	
	Standability	8		
	Sudden Death	8		
	Brown Stem Rot	R		
2424E				
2.4 RM  NEW!	Emergence	8	<ul style="list-style-type: none"> ▪ Racehorse yields with solid agronomics ▪ Broad acre adaptability ▪ Similar plant style to 1928E 	
	Standability	7		
	Sudden Death	7		
	Brown Stem Rot	R		
2325E				
2.5 RM  NEW!	Emergence	8	<ul style="list-style-type: none"> ▪ Next generation yield levels ▪ Great companion to 2326E and replacement for 1924E ▪ Widely adaptable across all acres 	
	Standability	7		
	Sudden Death	7		
	Brown Stem Rot	NG		
2326E				
2.6 RM 	Emergence	7	<ul style="list-style-type: none"> ▪ Elite top end yield ▪ Medium bush for quicker row canopy ▪ BSR and Stem Canker resistant 	
	Standability	7		
	Sudden Death	7		
	Brown Stem Rot	R		
1928E				
2.8 RM 	Emergence	8	<ul style="list-style-type: none"> ▪ Excellent agronomics across the board ▪ Widely adaptable ▪ Consistent performer over multiple years 	
	Standability	8		
	Sudden Death	7		
	Brown Stem Rot	R		
2429E				
2.9 RM  NEW!	Emergence	8	<ul style="list-style-type: none"> ▪ Improved yield over 1928E and 2229E ▪ 2034E is a parent to this line ▪ Race horse type soybean use caution with standability and SDS 	
	Standability	6		
	Sudden Death	6		
	Brown Stem Rot	NG		




2331E	Emergence	7	<ul style="list-style-type: none"> Broad acre soybean with plot topping yields Robust agronomic package Use caution with Brown Stem Rot fields
	Standability	7	
	Sudden Death	7	
	Brown Stem Rot	NG	
			


NOTES

2433E	Emergence	8	<ul style="list-style-type: none"> Improved standability and yield over 2234E Peking SCN resistance More branches for quicker canopy
	Standability	7	
	Sudden Death	7	
	Brown Stem Rot	R	
			

NEW!

2337E	Emergence	7	<ul style="list-style-type: none"> Excellent SDS, BSR resistant, improved WM and FELS over 2136E Late release in 2023 Use some caution with standability in high fertility fields
	Standability	6	
	Sudden Death	8	
	Brown Stem Rot	R	
			

NEW!

2239E	Emergence	8	<ul style="list-style-type: none"> Multi-year top tier performer Broad acre soybean Use caution on SDS fields - PG+ recommended
	Standability	8	
	Sudden Death	6	
	Brown Stem Rot	NG	
			



NEW!



SOYBEAN CHART

Brand Number	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		0.8	8	7	7	7	8	Rps3a & Rps1c	R	NG	6	NA	PI88788	Medium Tall	Medium	All
2216E	Enlist		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		2.0	8	7	7	6	7	Rps1k	R	R	7	NA	PI88788	Medium Tall	Medium	All
2421E	Enlist	NEW	2.1	8	7	6	8	8	Rps3a & Rps1a	R	R	7	NA	PI88788	Tall	Medium	All
2322E	Enlist		2.2	8	7	7	7	7	H-Rps3a & Rps1c	R	NG	7	7	PI88788	Medium Tall	Medium	All
1924E	Enlist		2.4	8	8	8	7	8	Rps1k	NA	R	7	NA	PI88788	Medium Tall	Medium	All
2424E	Enlist	NEW	2.4	8	7	7	6	7	Rps1k	R	R	6	NA	PI88788	Medium Tall	Medium	All
2325E	Enlist	NEW	2.5	8	7	7	6	7	Rps1a	R	NG	6	NA	PI88788	Medium Tall	Medium	All
2326E	Enlist		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
2429E	Enlist	NEW	2.9	8	6	6	6	8	NG	R	NG	6	7	PI88788	Medium Tall	Medium	All
2331E	Enlist		3.1	7	7	7	6	7	Rps1c	R	NG	NA	6	PI88788	Medium Tall	Medium	All
2433E	Enlist	NEW	3.3	8	7	7	6	8	Rps1k	R	R	NA	7	PI88788	Medium Tall	Medium Bush	All
2337E	Enlist	NEW	3.7	7	6	8	6	7	Rps1k	R	R	6	7	PI88788	Medium Tall	Medium	All
2239E	Enlist	NEW	3.9	8	8	6	7	7	Rps1k	R	NG	NA	6	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[®]

The transgenic 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 logo, and Colex-D are trademarks of Corteva Agriscience and its affiliated companies. © 2022 Corteva.

Excellence Through Stewardship[®] is a registered trademark of Excellence Through Stewardship.

Enlist E3 soybeans were jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C. Enlist Duo and Enlist One herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area.

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 Corteva Agriscience 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/trait-stewardship.html.

Excellence Through Stewardship (ETS)

Corteva Agriscience is a member of Excellence Through Stewardship[®] (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a longstanding process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and endusers must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer's acceptance of the grain or other material being purchased. For more detailed information on the status of a trait or stack, please visit www.biotradestatus.com.

Seeds containing the Enlist, Herculex and PowerCore traits are protected under one or more U.S. patents which can be found at www.traitstewardship.com. The purchase of these seed traits include a limited license to produce a single crop in the United States. The use of seed from such a crop or the progeny thereof for propagation or seed multiplication or for production or development of a hybrid or different variety of seed is strictly prohibited. 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 Corteva Agriscience Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements.

To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience 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. Enlist corn contains genes that confer tolerance to 2,4-D and -fop herbicides. 2,4-D and -fop herbicides will damage or kill crops that are not tolerant to 2,4-D or -fops.

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

A CLOSER LOOK AT THE ENLIST[®] WEED CONTROL SYSTEM FOR SOYBEANS



2,4-D choline | Glyphosate | Glufosinate

Enlist Duo[®] and Enlist One[®] herbicides with Colex-D[®] technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist E3[®] soybean crops.



- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two sites of action work together to deliver control of yield-robbing weeds and help prevent resistance



- 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

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P3 GENETICS IS A BRAND OF
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TALK TO YOUR CORNELIUS SEED REP