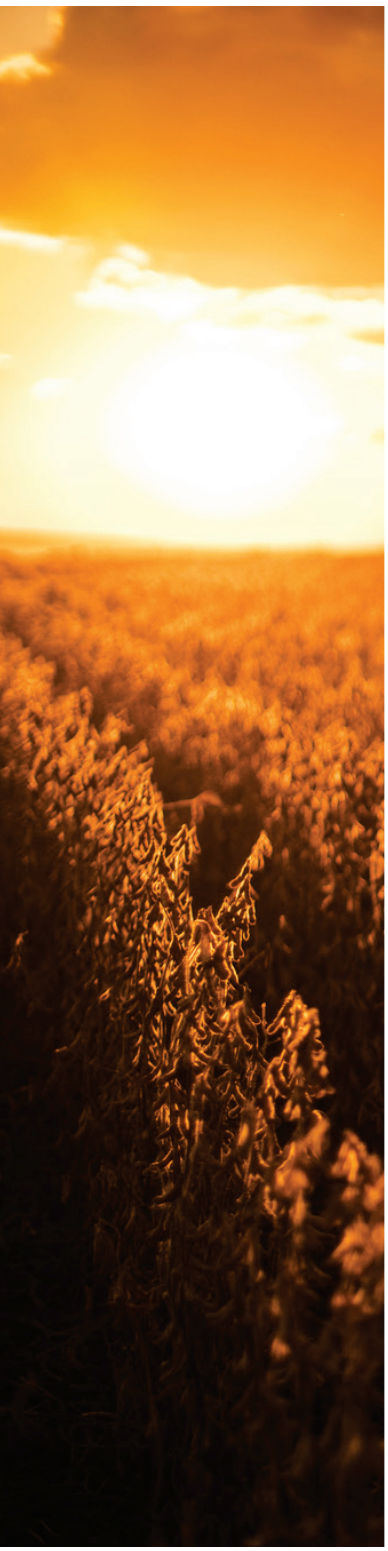
PALOMA SEED

Enlist E3 SOYBEANS



2024

SOYBEAN SEED GUIDE

ENLIST E3® SOYBEANS WITH PREMIER TRAIT TECHNOLOGY AND ELITE GENETICS FOR POWERFUL PERFORMANCE

FBN.COM/PALOMA

844-992-0244

PALOMA SEED — 2024 SEED GUIDE

ENLIST E3®
/// SOYBEANS ///

	Product	Relative Maturity	Technology Segment	Flower Color	Pubescence Color	Pod Color	Hilum Color	Emergence	Lodging	SCN Race Resistance	SCN Marker	Stress Tolerance	STS Tolerance	Salt Tolerance	Relative Height for Maturity	Canopy Width	Phytophthora Gene		Phytophthora Field Tolerance	Iron Deficiency Chlorosis	Sclerotinia White Mold	Sudden Death Syndrome	Brown Stem Rot Gene	Frogeye Leaf Spot	Stem Canker
NEW NEW NEW	PL2E013	0.1	E3	P	G	T	IB	8	6.5	R3, MR14	PI 88788	8	1	INC	M+	M	3a		8	6.5	6	NA	R	NA	9
	PL2E043	0.3	E3	P	G	T	Buff	8	7	R3, MR14	PI 88788	8	1	INC	MT	M	3a		8	7	6	NA	NG	NA	9
NEW	PL2E073	0.7	E3	P	G	T	IB	8	6.5	R3, MR14	PI 88788	8	1	INC	M	M	1c		7	7.5	6	6	R	NA	9
NEW	PL2E093	0.9	E3	P	G	T	IB	8	6.5	R3, MR14	PI 88788	8	1	INC	MT	B	NG		7	7	6	7	R	NA	9
	PL2E141	1.4	E3	P	G	B	BU	8	7	R3, MR14	PI 88788	7	1	INC	MT	M	Rps1c		7	7	6	7	-	-	1
NEW	PL2E153	1.5	E3	P	G	T	Buff	8	8	R3, MR14	PI 88788	7	1	INC	M	M	3a		8	6.5	6	6.5	NG	NA	9
	PL2E190	1.9	E3	P	G	B	IMB	8	7	R3, MR14	PI 88788	8	1	INC	M	MB	Rps1k		7	5	6	6	-	-	9
	PL2E211	2.1	E3	P	G	T	IMB	8	6	R3, R5	Peking	8	1	INC	MT	M	Rps1c		7	7	5	7	-	-	9
NEW	PL2E243S	2.4	E3	P	G	T	IB	7.5	7	R3, MR14	PI 88788	7.5	9	INC	M+	M	1k		7.5	6	6	6	R	NA	9
NEW	PL2E273	2.7	E3	P	G	T	IB	7.5	7	R3, MR14	PI 88788	7.5	1	INC	M+	M	1k		7.5	6	6	6	R	NA	9
	PL2E291	2.9	E3	P	G	B	IMB	8	7	R3, MR14	PI 88788	8	1	INC	MT	MB	Rps1k		7	6	-	6	-	-	-
NEW	PL2E313	3.0	E3	P	G	B	IB	8	7	R3, MR14	PI 88788	8	1	INC	T	M	NG		8	6.5	6.5	5.5	R	8	9
	PL2E351	3.5	E3	P	G	T	IMB	8	7	R3, MR14	PI 88788	8	1	INC	MT	B	Rps1k		7	7	-	6	9	6	9
NEW	PL2E373S	3.6	E3	W	LT	B	BR	7.5	6.5	R3, MR14	PI 88788	7	9	INC	M+	M	NG		7.5	6.5	NA	5.5	NG	NA	9
	PL2E390	3.9	E3	W	LT	T	BR	7	7	R3, MR14	PI 88788	7	1	INC	M	MB	Rps1k/Rps3a		7	7	-	5	-	-	9
NEW	PL2E413S	4.1	E3	P	G	T	IB	7.5	5.5	R3, MR14	PI 88788	8	9	EXC	T	M	1k		7.5	6	NA	6.5	R	NA	9
	PL2E440	4.4	E3	P	LT	T	BL	8	6	R3, MR14	PI 88788	8	1	INC	MT	M	Rps1a/Rps1k		7	8	-	6	-	-	9
	PL2E472	4.7	E3	P	LT	T	BL	8	6	R3, MR14	PI 88788	8	1	INC	M	M	Rps1k		7	-	-	-	-	-	9
NEW	PL2E513	5.0	E3	P	LT	B	BL	7.5	6.5	R3, MR14	PI 88788	7.5	1	INC	M+	M	NG		7.5	6	NA	NA	NG	NA	9

NEW PL2E313 /// RM 3.0 ////

- Tall plant height with above avg standability
- Will work North + South of zone
- Frogeye Resistant!
- Excellent PRR field tol

PL2E351 /// RM 3.5 ////

- Highly adaptable variety with excellent stress tolerance
- Rps1k PRR gene with above-average SDS tolerance
- Stem Canker and BSR resistant with excellent FELS tolerance
- PI 88788 SCN source

NEW PL2E373S /// RM 3.6 ////

- Good plant style with width and standability
- Remarkably consistent across yield environments among all tests
- Stable yields E-C-W
- Brings STS to the table at late group 3

PL2E390 /// RM 3.9 ////

- Unique combination of the Rps1k and Rps3a phytophthora genes
- Excellent standability with average SDS tolerance
- Broadly adapted but excels in Western areas
- PI 88788 SCN source

ENLIST E3®

OUTSMART MORE WEEDS

Enlist E3® soybeans offer the most advanced trait technology available in soybeans, providing a new standard for weed control and yield performance. Get access to more herbicides featuring effective sites of action for better weed control this year and in future years.

July 2023 FBM Member Survey—Over 50% of members who responded indicated Enlist E3 was their soybean trait of choice in 2023.

PL2E440 /// RM 4.4 ////

- Very stable across all yield environments
- Excellent stress tolerance and IDC tolerance
- Taller plant with above-average SDS tolerance
- PI 88788 SCN source

PL2E472 /// RM 4.7 ////

- Consistent yield across KS/MO as well as TN/AR/MS
- Stem Canker plus Rps1c phytophthora gene
- Medium plant height with strong emergence
- PI 88788 SCN source

NEW PL2E013 /// RM 0.1 ////

- Rps 3a provides leading Phytophthora Root Rot tolerance
- Performance Region: Broad across late RM 00 - early 0
- Strong multi-year performance
- Good stress tolerance

NEW PL2E093 /// RM 0.9 ////

- Performance Region: Broad across late group 0 - early I zone
- Above-average to Good IDC tolerance
- Productive lateral branching and a bush of a plant

NEW PL2E153 /// RM 1.5 ////

- Rps 3a provides leading Phytophthora Root Rot tolerance
- Performance Region: Broad across mid group I zone
- Very good standability
- Upright productive lateral branching

NEW PL2E243S /// RM 2.4 ////

- Great plant style with medium+ height and very good standability
- Performs across broad acres and all yield environments
- Complete package at 2.4
- Above-average/good SDS + SWM

NEW PL2E413S /// RM 4.1 ////

- Tall plant height with average/above-average standability
- Very good FE tol in 2022 notes
- Testsed well in both EN 1025 + EN 1026
- Performs best in low yield environments

NEW PL2E513 /// RM 5.0 ////

- Medium+ height with good standability
- Very good FE tol
- Attractive line in southern appearance ratings
- 2-year data supports performance

NEW PL2E043 /// RM 0.3 ////

- Rps 3a provides leading Phytophthora Root Rot tolerance
- Performance Region: Broad across early group 0
- Height with standability for northern soils

PL2E141 /// RM 1.4 ////

- The most versatile variety in our portfolio
- Rps1c PRR gene with excellent field tolerance
- Very good IDC and SDS tolerances
- PI 88788 SCN source

PL2E190 /// RM 1.9 ////

- Excellent stress tolerance and standability
- Above-average tolerances to SWM and SDS
- Offensive variety with the Rps1k phytophthora gene
- PI 88788 SCN source

NEW PL2E273 /// RM 2.7 ////

- Nice plant style with very good standability + width
- Especially likes Nebraska + Iowa
- Competes with proven commodities at late group 2

Ratings: 1 = Poor | 9 = Excellent

Ratings are given only as a guide. All ratings are subject to cultural practices and environmental conditions. Ratings and descriptions are based on research and field observations collected from various locations.

Flower Color—P = Purple; W = White

Pubescence Color—G = Gray; LT = Light Tawny

Pod Color—B = Brown; T = Tan

Salt Tolerance—INC = Salt Includer

Relative Height for Maturity—S = Short; M = Medium; M+ = Medium+; MT = Medium Tall; T = Tall

Canopy Width—B = Bush; M = Medium; MB = Medium-Bush

NEW PL2E073 /// RM 0.7 ////

- Complete agronomic package
- Performance Region: Broad across late group 0
- Good IDC tolerance

PL2E211 /// RM 2.1 ////

- Peking source SCN that yields!
- Superior IDC and SDS tolerances that work in all yield environments
- Rps1c PRR gene with excellent field tolerance
- Excellent stress tolerance

PL2E291 /// RM 2.9 ////

- Broadly adapted from East to West
- Strong emergence and stress tolerance
- Average plant height with good canopy width
- PI 88788 SCN source

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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 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 logo and Colex-D are trademarks of Corteva AgriScience and its affiliates.

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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.