Open Up Your Opportunities

Alloy™ soybean seed with Enlist E3® technology will provide farmers tolerance to Liberty® herbicide, the 2,4-D choline and glyphosate, enabling multiple modes of action against difficult weeds. Alloy soybean seed offers a broad portfolio to fit every field. It is owned by M.S. Technologies, L.L.C. and is exclusively distributed by Bayer.

Enlist E3® SOYBEANS

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Enlist E3® Soybeans Distributed by Bayer

Name	Strengths and Management	RM	Flower	Pubescence	Pod	Hilum	Height	Emergence	Standability	PRR Gene	PRR Fld. Tol.	IDC	White Mold	BSR	Charcoal Rot	Source of SCN Res.	SDS	FLS	Chloride Sens.	S. Stem Canker	SRN Nem.
A01E34	**1)** 0.1 RM Enlist E3® soybean with excellent yield potential across varying growing conditions **2)** Good Iron Deficiency Chlorosis and Sclerotinia White Mold tolerances	0.1	P	GR	TN	IB	MT	1	2	Rps3a	4	4	4	3	4	PI 88788	-	-	-	-	-
A03E34	**1)** 0.3 RM Enlist E3® soybean that pairs excellent yield potential with great disease tolerance **2)** Excellent performance potential in all yield environments, notably in low yield situations	0.3	P	GR	TN	IB	M	1	2	Rps3a	4	4	4	-	4	PI 88788	-	-	-	-	-
A06E33	**1)** Broad acre 0.6 RM Enlist E3® soybean with excellent yield potential **2)** Good Iron Deficiency Chlorosis tolerance **3)** Good Phytophthora Root Rot tolerance package	0.6	P	GR	BR	BF	M	2	4	Rps3a	4	4	5	3	5	PI 88788	5	-	-	-	-
A09E33	**1)** 0.9 RM Enlist E3® soybean with Peking Soybean Cyst Nematode resistance **2)** Good Iron Deficiency Chlorosis tolerance	0.9	P	GR	TN	BF	M	2	5	Rps3a	4	4	6	3	6	-	5	-	-	-	-
A10E35	**1)** 1 RM Enlist E3® soybean with excellent yield potential paired with very good Iron Deficiency Chlorosis tolerance **2)** Great standability **3)** Rps1c Phytophthora Root Rot gene paired with good field tolerance	1	P	GR	TN	IB	MT	1	3	Seg Rps1c	4	3	-	3	5	PI 88788	-	-	-	-	S

SCN Source = Soybean Cyst Nematode

IDC = Iron Deficiency Chlorosis

BSR = Brown Stem Rot

SDS = Sudden Death Syndrome

FLS = Frogeye Leaf Spot

SRN Nem. = Southern Root - Knot/Nematode (M. incognita)

Growth Habit for all products is Indeterminate

NUMERIC RATING SCALE
[Excellent] **1 - 9** [Poor]
[-] ____ Current Data Not Available
RM ____ Relative Maturity

PUBESCENCE COLOR
GR ____ Gray
LT TW ____ Light Tawny
TW ____ Tawny

PLANT HEIGHT
T ____ Tall
MT ____ Medium Tall
M ____ Medium
MS ____ Medium Short
S ____ Short

HILUM COLOR
BL ____ Black
BF ____ Buff
IB ____ Imperfect Black
GR ____ Gray

POD COLOR
TN ____ Tan
BR ____ Brown

FLOWER COLOR
W ____ White
P ____ Purple

SALT
Inc ____ Includer
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A12E33	**1)** 1.2 RM Enlist E3® soybean for the tougher acre **2)** Good tolerances to Iron Deficiency Chlorosis and Sudden Death Syndrome	1.2	P	GR	TN	IB	MT	2	4	Rps1c	4	4	6	6	4	PI 88788	4	-	Exc	-	-
A13E35	**1)** 1.3 RM Enlist E3® soybean that brings consistent performance potential across a broad geography **2)** Rps1c/3a stack Phytophthora Root Rot gene for high pressure PRR fields	1.3	P	GR	TN	IB	MT	1	4	Rps1c/ 3a	4	4	5	6	4	PI 88788	5	6	-	3	-
A14E35	**1)** 1.4 RM Enlist E3® soybean with excellent performance potential **2)** Good Phytophthora Root Rot tolerance paired with a stack Rps3a PRR gene **3)** Good Iron Deficiency Chlorosis tolerance	1.4	W	GR	BR	BF	M	1	4	Rps3a	4	5	5	6	5	PI 88788	5	-	-	-	-
A15E33	**1)** 1.5 RM Enlist E3® soybean with good performance potential and eastern movement **2)** Good Sudden Death syndrome tolerance	1.5	P	GR	TN	BF	M	2	3	Rps3a	5	4	5	3	5	PI 88788	4	-	-	-	-
A15E35	**1)** 1.5 RM Enlist E3® soybean with Peking Soybean Cyst Nematode resistance **2)** Good Phytophthora Root Rot tolerance paired with a stack Rsp1c/3a PRR gene **3)** Very good yield performance potential over a broad geography	1.5	W	GR	TN	IB	M	1	4	Rps1c/ 3a	4	5	-	3	5	Peking	5	3	-	3	-

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Name	Strengths and Management	RM	Flower	Pubescence	Pod	Hilum	Height	Emergence	Standability	PRR Gene	PRR Fld. Tol.	IDC	White Mold	BSR	Charcoal Rot	Source of SCN Res.	SDS	FLS	Chloride Sens.	S. Stem Canker	SRN Nem.
A16E34	**1)** 1.6 RM Enlist E3® soybean with very good Sclerotinia White Mold tolerance **2)** Broad acre yield potential	1.6	P	GR	BR	IB	M	1	2	Rps1k	4	4	3	-	6	PI 88788	5	-	-	-	-
A18E35	**1)** 1.8 RM Enlist E3® soybean with Peking Soybean Cyst Nematode resistance **2)** Excellent yield potential	1.8	P	GR	TN	BF	MT	1	3	Rps1k	4	4	4	6	-	Peking	4	6	-	3	-
A19E33	**1)** 1.9 RM Enlist E3® soybean with good Sudden Death Syndrome tolerance **2)** Broad acre product with excellent yield potential in low yield environments	1.9	P	LT TW	BR	BL	MT	2	5	Rps1k	4	5	5	6	-	PI 88788	4	-	-	-	-
A20E35	**1)** 2.0 RM Enlist E3® soybean with excellent performance potential **2)** Peking Soybean Cyst Nematode resistance **3)** Rps3a Phytophthora Root Rot gene	2	P	GR	TN	IB	MT	2	4	Rps3a	4	4	5	3	-	Peking	4	-	-	3	-
A21E34	**1)** 2.1 RM Enlist E3® soybean with excellent broad acre performance potential **2)** Good tolerance to White Mold and Sudden Death Syndrome **3)** Good tolerance to Iron Deficiency Chlorosis	2.1	P	GR	BR	BF	MT	2	4	Rps1a/ 3a	4	3	4	3	-	PI 88788	5	-	-	-	-
A23E33	**1)** 2.3 RM Enlist E3® soybean with broad acre performance potential **2)** Good Phytopghthora Root Rot tolerance	2.3	W	GR	TN	BF	M	2	4	Rps1c/ Seg3a	4	5	5	6	5	PI 88788	5	-	-	-	-

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A24E34	**1)** 2.4 RM Enlist E3® soybean with excellent performance potential across varying growing conditions **2)** Good tolerance to Sudden Death Syndrome and Iron Deficiency Chlorosis	2.4	W	GR	BR	BF	M	1	3	Rps1k	4	4	6	3	1	PI 88788	4	-	-	-	-
A26E33	**1)** 2.6 RM Enlist E3® soybean that brings excellent yield potential to Illinois and Iowa **2)** Good standability	2.6	P	GR	TN	IB	M	2	4	Rps1k	4	5	5	3	4	PI 88788	5	-	-	-	-
A27E35	**1)** 2.7 RM Enlist E3® soybean with Peking Soybean Cyst Nematode resistance **2)** Excellent yield performance potential	2.7	P	LT TW	BR	BL	M	1	4	Susc	4	4	5	6	5	Peking	5	-	-	3	-
A28E34	**1)** 2.8 RM Enlist E3® soybean that brings excellent yield potential across a broad geography **2)** Good standability	2.8	P	GR	BR	IB	M	2	4	Rps1a/ seg1k	5	5	5	3	6	PI 88788	5	-	-	-	-
A29E35	**1)** 2.9 RM Enlist E3® soybean with excellent yield potential with this broad acre product **2)** Peking Soybean Cyst Nematode resistance with very good standability	2.9	P	GR	TN	IB	M	2	3	Rps1k	4	5	5	6	-	Peking	4	-	-	3	-
A30E35	**1)** 3.0 RM Enlist E3® soybean with Peking Soybean Cyst Nematode resistance **2)** Excellent yield potential **2)** Great Phytophthora Root Rot tolerance	3	P	GR	TN	IB	MT	1	4	Rps3a	3	5	6	3	-	Peking	4	-	-	3	-

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A32E33	**1)** 3.2 RM Enlist E3® soybean with broad acre yield potential and great Southern Stem Canker tolerance **2)** Sulfonylurea (SR) herbicide tolerance	3.2	W	GR	BR	BF	MT	1	4	Rps1c	4	5	5	3	5	PI 88788	5	5	Exc	3	-
A33E34	**1)** 3.3 RM Enlist E3® soybean with Peking Soybean Cyst Nematode resistance **2)** Excellent disease tolerance scores	3.3	P	GR	TN	IB	M	1	2	Susc	4	5	-	3	5	Peking	3	4	Inc	3	-
A34E35	**1)** 3.4 RM Enlist E3® soybean with great standability and consistent yield potential **2)** Good tolerance to sudden death syndrome	3.4	W	LT TW	BR	BR	M	1	3	Rps1k	4	5	-	6	-	PI 88788	4	-	Inc	3	-
A36E33	**1)** 3.6 RM Enlist E3® soybean with excellent yield potential **2)** Sulfonylurea (SR) herbicide resistance	3.6	P	GR	TN	IB	MT	2	5	Rps1k	4	5	5	3	4	PI 88788	4	5	Inc	3	-
A38E35	**1)** 3.8 RM Enlist E3® soybean with excellent performance potential **2)** Great standability and Southern Stem Canker tolerance **3)** Good tolerance to Sudden Death Syndrome	3.8	W	LT TW	BR	BL	MT	1	3	Rps1k	4	5	-	-	5	PI 88788	4	3	Inc	3	S
A39E33	**1)** 3.9 Enlist E3® soybean with broad performance potential **2)** Great Southern Stem Canker tolerance **3)** Good Frogeye Leaf Spot tolerance	3.9	W	LT TW	TN	BR	M	2	3	Rps1k	4	4	-	-	5	PI 88788	6	4	Inc	3	-

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A40E35	**1)** 4.0 RM Enlist E3® soybean that is a salt excluder with great standability **2)** Sulfonylurea (SR) herbicide resistance	4	W	LT TW	BR	BL	M	2	3	Susc	5	5	-	-	5	PI 88788	4	3	Exc	3	S
A41E34	**1)** 4.1 RM Enlist E3® soybean with excellent yield potential **2)** Sulfonylurea (SR) herbicide resistance	4.1	W	LT TW	TN	BR	MT	1	5	Rps1c	4	-	-	-	-	PI 88788	6	3	Inc	3	S
A45E35	**1)** 4.5 RM Enlist E3® soybean with Sulfonylurea (SR) herbicide resistance **2)** Medium-tall plant height	4.5	W	LT TW	TN	BL	MT	1	4	Rps1c	5	-	-	-	-	PI 88788	5	4	Inc	3	S
A47E35	**1)** 4.7 RM Enlist E3® soybean with Sulfonylurea (SR) herbicide resistance **2)** Medium-tall plant height with good standability	4.7	P	GR	TN	IB	MT	1	4	Susc	5	-	-	-	-	PI 88788	4	4	Inc	3	S
A49E34	**1)** 4.9 RM Enlist E3® soybean that is Sulfonylurea (SR) herbicide tolerant and Chloride Excluder **2)** Medium-tall plant with good standability	4.9	W	GR	BR	BF	MT	1	4	Seg Rps1c	6	-	-	-	-	PI 88788	-	4	Exc	3	S
A52E35	**1)** 5.2 Enlist E3® soybean with Root Knot Nematode resistance **2)** Good Frogeye Leaf Spot resistance **3)** Great Southern Stem Canker resistance	5.2	P	GR	TN	IB	T	1	4	Susc	5	-	-	-	-	PI 88788	-	4	Inc	3	R

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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 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.

Alloy™ is a trademark of M.S. Technologies, L.L.C., West Point, IA. Please read the M.S. Technologies, L.L.C. Use Restriction Agreement located at: - http://www.mstechseed.com/use-restriction-agreement/. Performance may vary, from location to location and from year to year, as local growing, soil and environmental conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on their growing environment.

The recommendations in this material are based upon trial observations and feedback received from a limited number of growers and growing environments. These recommendations should be considered as one reference point and should not be substituted for the professional opinion of agronomists, entomologists or other relevant experts evaluating specific conditions.