

AE 1910

1.9 RM



TOP-END LINE WITH IMPROVED YIELD & AGRONOMICS

- PI 88.788 SCN protection
- Moderate BSR resistance
- Improved IDC tolerance over AE 1800
- Very good PRR tolerance

AGRONOMIC CHARACTERISTICS

Emergence.....	4
Standability.....	4

ADAPTABILITY

Light Soil.....	4
Heavy Soil.....	4
Stress Tolerance.....	4
Yield for Maturity.....	4

PLANT HEALTH

Sudden Death Syndrome.....	4
SCN Tolerance.....	Resistant
SCN Marker.....	PI 88.788
Phytophthora Root Rot Gene Resistance.....	NG
Phytophthora Root Rot Tolerance.....	4
Iron Chlorosis.....	4
Brown Stem Rot.....	Moderate Resistance
White Mold.....	4
Stem Canker.....	Resistant
Frog Eye.....	NA

Phytophthora Root Rot Gene Resistance

Rps 1a = Resistance to races 1-2, 10-13, 15-19
 Rps 1c = Resistance to races 1-3, 6-11, 13, 15, 17, 21, 23, 24
 Rps 1k = Resistance to races 1-11, 13-15, 17-18, 21, 22
 Rps 3a = Resistance to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25
 NG = No specific gene
 Ha, Hc, and Hk = Heterozygous for specific gene

Phytophthora Field Tolerance

5 = High Tolerance 3-4 = Acceptable Tolerance 1-2 = Low Tolerance

PLANT CHARACTERISTICS

Flower Color	Purple
Pubescence Color	Gray
Pod Color	Brown
Hilum Color	Imperfect Black
Plant Height	Medium
Plant Type	Intermediate
Estimated Seed Size	2,500

NOTES

- 5 = EXCELLENT/RESISTANT**
- 4 = VERY GOOD**
- 3 = AVERAGE**
- 2 = BELOW AVERAGE**
- 1 = POOR/HIGHLY SUSCEPTIBLE**

**All ratings presented are from past performance and do not ensure future results.*

Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

LibertyLink® GT27® soybeans offer triple stack tolerance to Liberty, glyphosate, and, in select counties specified on the label, the first HPPD based herbicide for soybeans—Alite™ 27. Other HPPD herbicides not labeled for use with LibertyLink GT27 or isoxaflutole-resistant soybeans may cause significant crop injury. Alite 27 herbicide is only available for use in labeled counties.

Always read and follow label directions. Alite 27 is a restricted use herbicide. Alite, Liberty, and LibertyLink are registered trademarks of BASF. GT27 is a registered trademark of M.S. Technologies, L.L.C. MS Technologies is a trademark of M.S. Technologies, L.L.C. ©2020 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 20-INT-0014

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 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.

APEX IS A 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 pre-requisite 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.

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. 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 Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html).

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.

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.

Dow AgroSciences is a member of Excellence Through Stewardship® (ETS). Dow AgroSciences products are commercialized in accordance with ETS product launch stewardship guidance and Dow AgroSciences Product Launch Stewardship Policy. No crop or material produced from this product can be exported to, used, processed or sold across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. For further information about your crop or grain marketing options, contact DAS at 877-4-TRAITS (877-487-2487). Information regarding the regulatory and market status of agricultural biotechnology products can be found at: www.biotradestatus.com.

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™™™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

2020 SOYBEAN HIGHLIGHTS

1.9 RM
PRODUCTS



AE1910



Apex is a trademark of M.S. Technologies, L.L.C., West Point, IA.
Apex is distributed by Titan Pro SCI, Inc.

STATE	CITY	TRIAL	YIELD	RANK*	ENTRIES	YIELD ADVANTAGE**
IA	Albert City	FIRST	69.1	14	42	2.6
IA	Osage	FIRST	64.5	10	54	3.2
IA	New Hampton	FIRST	62.0	23	54	0.7
IA	IANW Summary	FIRST	61.6	30	42	-1.4
IA	Galva	FIRST	61.3	25	42	-0.8
IA	IANO Summary	FIRST	60.8	16	54	0.8
IA	Lu Verne	FIRST	60.0	14	54	2.1
IA	Hartley	FIRST	47.6	22	42	-0.7
MN	Wabasso	FIRST	79.4	16	48	2.3
MN	Easton	FIRST	78.5	25	48	-0.7
MN	MNSC Summary	FIRST	74.4	14	48	2.0
MN	Cannon Falls	FIRST	72.9	11	48	3.1
MN	Madison Lake	FIRST	71.1	20	48	0.9
MN	Buffalo	FIRST	65.2	18	48	2.1
MN	MNCE Summary	FIRST	56.1	5	48	3.5
MN	Lester Prairie	FIRST	53.2	4	48	8.4
MN	Clinton	FIRST	49.8	26	48	0.0
SD	Salem	FIRST	65.4	23	63	3.1
SD	Arlington	FIRST	49.8	27	63	0.8
WI	Postville	FIRST	71.9	9	72	4.6
WI	Arlington	FIRST	67.9	20	72	3.1
WI	WISO Summary	FIRST	64.9	23	72	1.4

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STATE	CITY	TRIAL	YIELD	RANK*	ENTRIES	YIELD ADVANTAGE**
MN	Blue Earth	Dealer Plot	71.7	9	17	2.7
MN	Ghent	Dealer Plot	67.9	10	12	-2.5
MN	Cannon Falls	FIRST	66.0	30	48	-1.3
MN	Eagle Lake	Dealer Plot	65.3	10	12	-3.6
MN	Fairfax	Dealer Plot	61.5	12	15	-4.2

All data is from 2020 harvest *Yield is determined by yield **Yield Advantage is the difference between product yield and the average yield within the plot
Always read and follow bag tags, and understand herbicide tolerance information
*Trademarks of Dow AgroSciences or DuPont, and their affiliated companies or their respective owners.
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STATE	CITY	TRIAL	YIELD	RANK*	ENTRIES	YIELD ADVANTAGE**
MN	Lakeville	MN Seed Consultant	57.1	23	45	0.9
MN	Nerstrand	FIRST	49.8	20	48	1.6
MN	Lester Prairie	FIRST	47.0	25	42	-2.5
MN	Royalton	FIRST	41.8	20	62	2.7

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