

# A1398

113 RM

TRAITS AVAILABLE: VT2PRIB,SmartStax RIB,Conventional

## PRODUCT HIGHLIGHTS

- Widely adapted hybrid with nice movement East to West
- Nice in-season appeal with cleanliness of leaves
- Packing a strong agronomic and disease package
- Low drama hybrid

## AGRONOMICS RATINGS

Emergence	<b>2.5</b>
Seedling Vigor	<b>2</b>
Stalk Rating	<b>1.5</b>
Root Rating	<b>1.5</b>
Greensnap Score	<b>2.5</b>
Drought	<b>1.5</b>
Staygreen	<b>2</b>
Dry Down	<b>3</b>

## PLANT POPULATION BY YIELD ENVIRONMENT (SDS/ACRE)

Low	<b>24-28000</b>
Moderate	<b>28-32000</b>
High	<b>30-34000</b>
Very High	<b>32-36000</b>
Dryland	<b>28-32000</b>

## INVICTIS PRODUCT PLACEMENT

SOIL PRODUCTIVITY	TILLAGE RECOMMENDATIONS
Low <b>R</b>	Conventional <b>HR</b>
Moderate <b>R</b>	No-Till <b>R</b>
High <b>R</b>	Corn/Soybeans <b>HR</b>
	Continuous Corn <b>R</b>
SOIL TYPE RATINGS	PLANTING TIMING
Sand <b>R</b>	Early <b>NR</b>
Clay <b>R</b>	Late <b>R</b>
Silt Loam <b>R</b>	
Poorly Drained <b>R</b>	
Drought Prone <b>R</b>	
High pH <b>NR</b>	
ADDITIONAL USES	WATER MANAGEMENT
Dual Purpose <b>R</b>	Full Irrigation <b>R</b>
	Limited <b>R</b>
	Dryland <b>R</b>
	HARVEST TIMING
	Early <b>R</b>
	Late <b>R</b>

## AGRONOMIC CHARACTERISTICS

Plant Height	<b>Med. Tall</b>
Ear Placement	<b>Medium</b>
Flowering	<b>Mod Late</b>
Leaf Angle	<b>Semi-Upright</b>
Canopy Closure	<b>2</b>
Kernel Rows	<b>16-18</b>
Cob Color	<b>Red</b>
Test Weight	<b>2.5</b>
Husk Cover	<b>Full</b>
Ear Flex	<b>Semi Flex</b>
Ear Girth	<b>2.5</b>

## DISEASE RATINGS

Gray Leaf Spot	<b>1.5</b>	Common Rust	<b>*</b>
Goss's Wilt	<b>2</b>	Southern Rust	<b>*</b>
N. Leaf Blight	<b>1.5</b>	Anthracoese	<b>2</b>
S. Leaf Blight	<b>*</b>	Tar Spot Complex	<b>*</b>
Eye Spot	<b>2.5</b>	Ear Molds	<b>2.5</b>

## RATINGS KEY

**1** = Excellent, **3** = Average, **5** = Poor  
**HR** = Highly Recommended, **R** = Recommended  
**NR** = Not Recommended, **A** = Acceptable,  
**S** = Susceptible, \* = Please contact local  
 Simplot Grower Solutions Crop Advisor

\*Ratings based on plot evaluations and individual geographic, environmental and management conditions may change results\*

**SCAN FOR  
MORE INFO**

## HERBICIDE TOLERANCES

Sulfonylureas Inhibitors (ALS)	<b>A</b>
Glyphosate	<b>Yes</b>
Pigment Inhibitors (HPPD)	<b>Acceptable</b>
2-4D Choline	<b>No</b>
Glufosinate	<b>No</b>

# LEGAL INFORMATION

**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, Corteva Agriscience's product launch process for responsible launches of new products includes a long-standing process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end-users 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](http://www.biotradestatus.com).

Seeds containing the PowerCore® Enlist®, PowerCore® Enlist® Refuge Advanced®, and Enlist® Corn - REFUGE traits are protected under one or more U.S. patents which can be found at: [www.traitstewardship.com](http://www.traitstewardship.com). The purchase of this traited seed includes a limited license to produce a single crop in the United States. The use of seed from such a crop and/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 PowerCore Enlist, PowerCore Enlist Refuge Advanced, and Enlist Corn - REFUGE 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 a 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.

**IRM** - Properly managing trait technology is key to preserving it as a long-term crop protection tool. Growers who fail to comply with IRM requirements risk losing access to this product. To help preserve the effectiveness of Bt. corn technologies, growers planting Bt. corn technologies are required to follow an IRM Plan. Consult the Corn Product Use Guide for appropriate refuge configuration options. Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology Use Agreement and Product Use Guide. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements. For complete details on IRM requirements for hybrids with Bt technology, including refuge examples and important information on the use of insecticides on refuge and Bt corn acres, please consult appropriate Product Use Guide. Go to [www.corteva.us/ Resources/ Trait-stewardship.html](http://www.corteva.us/ Resources/ Trait-stewardship.html) to download the latest Corteva Agriscience Corn Product Use Guide.

**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 Corteva Agriscience technologies can be found at the following webpage: [www.corteva.us/Resources/trait-stewardship.html](http://www.corteva.us/Resources/trait-stewardship.html).

Following burndown, 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® corn and soybeans. Consult Enlist® herbicide labels for weed species controlled. Enlist Duo and Enlist One herbicides are not registered for use or sale in all states and counties; are not registered in AK, CA, CT, HI, ID, MA, ME, MT, NH, NV, OR, RI, UT, VT, WA and WY; and have additional subcounty restrictions in AL, GA, TN and TX, while existing county restrictions still remain in FL. All users must check "Bulletins Live! Two" no earlier than six months before using Enlist One or Enlist Duo. To obtain "Bulletins," consult [epa.gov/espp/](http://epa.gov/espp/), call 1-844-447-3813, or email [ESPP@epa.gov](mailto:ESPP@epa.gov). You must use the "Bulletin" valid for the month and state and county in which Enlist One or Enlist Duo are being applied. Contact your state pesticide regulatory agency if you have questions about the registration status of Enlist® herbicides in your area. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

IT IS A VIOLATION OF FEDERAL AND STATE LAW TO USE ANY PESTICIDE PRODUCT OTHER THAN IN ACCORDANCE WITH ITS LABELING. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USE IN THE STATE OF APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CORN AND SOYBEANS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at [www.traitstewardship.com](http://www.traitstewardship.com).



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and agreement to comply with the most recent stewardship requirements.



APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CORN AND SOYBEANS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at [www.traitstewardship.com](http://www.traitstewardship.com).

**PCE** - PowerCore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products.

**PWE** - PowerCore® Enlist® corn products with HX1, VTP, ENL, LL, RR. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Enlist products.


POWERCORE® is a registered trademark of Bayer Group. POWERCORE® multi-event technology developed by Corteva Agriscience and Bayer Group. Liberty®, LibertyLink® and the Water Droplet Design are registered trademarks of BASF. Roundup and Roundup Ready are registered trademarks of Bayer Group. Always follow IRM, grain marketing and all other stewardship practices and pesticide label directions. Bt. products may not yet be registered in all states. Check with your seed representative for the registration status in your state. The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

® Trademarks of Corteva Agriscience and its affiliated companies. Agrisure® and Agrisure Viptera® are registered trademark of, and used under license from, a Syngenta Group Company. Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG. Liberty®, LibertyLink® and the Water Droplet Design are trademarks of BASF.


**2024 Syngenta Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides.**

Agrisure®, Agrisure Artesian®, Artesian®, Agrisure Duracade®, Agrisure Viptera® and E-Z Refuge® are trademarks of a Syngenta Group Company. Agrisure® Technology incorporated into these seeds is commercialized under license from Syngenta Seeds, LLC. Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. Herculex® Technology incorporated into these seeds is commercialized under license from Dow AgroSciences, LLC. HERCULEX® and the HERCULEX Shield are trademarks of Dow AgroSciences. Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Agrisure Viptera® is a registered trademark of a Syngenta group company.

Product performance in water-limited environments is variable and depends on many factors such as the severity and timing of moisture deficiency, heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. All hybrids may exhibit reduced yield under water and heat stress. Individual results may vary.




## ENLIST® WEED CONTROL SYSTEM— PROVEN CONTROL OF TOUGH WEEDS



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

- 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



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

- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with Liberty® herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

<b>SOYBEANS</b>	2,4-D choline   Glyphosate   Glufosinate
<b>CORN</b>	2,4-D choline   Glyphosate   Glufosinate   FOP Herbicides

### On-Target Application

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































































# Think Before You Bin Run

**Verification Required** The last patent on the original Roundup Ready® soybean trait expired a few years ago and U.S. farmers may legally plant saved seed from some varieties of soybean containing the Roundup Ready® soybean trait. However, it is important that you check with your seed supplier to determine if a specific Roundup Ready® soybean variety is covered by other intellectual property rights, and if so, the policy for saving seed of that variety.

**Higher Seeding Rate** A higher seeding rate may be required for bin-run Roundup Ready® soybeans compared to new branded seed.

**Yield Loss** Roundup Ready 2 Yield®, Roundup Ready 2 Xtend® and XtendFlex® soybean varieties typically have a higher yield opportunity than Roundup Ready® soybean varieties.

**Cleanout Loss** Loss of seed and/or shrink occurs during the seed cleaning and handling processes for bin-run seed.

**Seed Treatment Costs** Treating your seed will add costs—both the cost of the treatment and the application of that treatment.

**Lost Income** Every bushel of saved seed you plant is a bushel you're not selling as commodity grain.

**Increased Seed Management** If you plan to save and bin-run Roundup Ready® soybeans for planting, you will have to manage your harvest operations and grain storage so that the seed isn't co-mingled with other seed that's covered by intellectual property rights.

## High Value of New Branded Seed

### LATEST TECHNOLOGY

- // High-yielding soybean technologies
- // Better variety options
- // Leading seed treatment options

### CUSTOMER SERVICE

- // Dealer agronomic support before and after the sale
- // Replant policy support
- // Convenient packaging and delivery

### RELIABLE GERMINATION AND QUALITY

- // Rigorously tested and meets U.S. Federal Seed Act requirements
- // Free of seed-borne diseases
- // Properly stored and conditioned

**For more information on seed intellectual property protection, or to anonymously report a tip, please call 1-866-99-BAYER. For a list of relevant patents visit [www.monsantotechnology.com](http://www.monsantotechnology.com)**



Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits 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. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

**Roundup Ready® Technology** contains genes that confer tolerance to glyphosate. **Roundup Ready 2 Technology** contains genes that confer tolerance to glyphosate. **Roundup Ready 2 Xtend® soybeans** contain genes that confer tolerance to glyphosate and dicamba. Products with **XtendFlex® Technology** contain genes that confer tolerance to glyphosate, glufosinate and dicamba. **Glyphosate** will kill crops that are not tolerant to glyphosate. **Dicamba** will kill crops that are not tolerant to dicamba. **Glufosinate** will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Bayer, Bayer Cross, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup® and XtendFlex® are registered trademarks of Bayer Group. ©2020 Bayer Group. All rights reserved.

**2024 BASF** products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, nonselective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink GT27 is not tolerant to all HPPD herbicides. HPPD herbicides currently on the market are prohibited for use with LibertyLink GT27 soybeans and may result in significant crop injury. Always read and follow label directions. LibertyLink®, Liberty® and the Water Droplet Design are trademarks of BASF. GT27 is a trademark of MS Technologies and BASF. MS Technologies is a trademark of MS Technologies, LLC. ©2024 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 20-INT-0014

For Optimum® AcreMax® and Optimum® AcreMax® Xtra products: Do not spray with Liberty®. Not all seeds in the bag are tolerant to Liberty herbicides.

*No dicamba may be used in-crop with seed with Roundup Ready® Xtend Technology, unless and until approved or specifically permitted, and no dicamba formulations are currently registered for such use in the 2024 season. Please follow <https://www.roundupreadyxtend.com/pages/xtendimax-updates.aspx> for status updates*

**Bayer Company is a member of Excellence Through Stewardship® (ETS).** Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits 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. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

### ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with products with XtendFlex® Technology.

**B.t. products** may not yet be registered in all states. Check with your representative for the registration status in your state.

Refuge seed may not always contain the DroughtGard® trait. **IMPORTANT IRM INFORMATION:** Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

**IMPORTANT IRM INFORMATION: RIB Complete®** corn blend products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. **See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.**

**Roundup Ready 2 Technology** contains genes that confer tolerance to glyphosate. **Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba.** **Glyphosate** will kill crops that are not tolerant to glyphosate. **Dicamba** will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs. Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready Xtend Crop System weed control programs.

Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.

Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, and XtendFlex® soybeans. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: [tug.bayer.com](http://tug.bayer.com). U.S. patents for Bayer technologies can be found at the following webpage: [cs.bayerpatents.com](http://cs.bayerpatents.com)

**2024 Bayer Group.** All Rights Reserved. Acceleron®, DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, SmartStax®, Trecepta®, Trecepta®, RIB Complete®, VT Double PRO®, VT Triple PRO®, XtendFlex®, and YieldGard® are registered trademarks used under license of Bayer Group. Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG.



### ALL OTHER TRADEMARKS ARE PROPERTY OF THEIR RESPECTIVE OWNERS

© 2024-2025 Innvictis Seed Solutions, LLC While every attempt has been made to provide correct, current and updated information on this website, Innvictis Seed Solutions, LLC is not responsible for typographical errors, and/or errors of Innvictis Seed Solutions. Although the information and recommendations on this site are presented in good faith, and believed to be correct, Innvictis Seed Solutions, LLC makes no representations or warranties as to the completeness or accuracy of the information. Not all products listed may be available in some areas.

**Disclaimer:** The directions for use for Innvictis products reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of INNVICTIS, or the Seller. All such risks shall be assumed by the Buyer. INNVICTIS warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. INNVICTIS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL INNVICTIS OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. INNVICTIS, and the Seller, offer these products, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of INNVICTIS.