



3394R2X BRAND

RELATIVE MATURITY:

3.3

TRAIT(S):



KEY STRENGTHS:

- Roundup Ready 2 Xtend® Soybean with awesome yield potential
- Excellent standability paired with a good disease tolerance package, including good Sudden Death Syndrome tolerance

CHARACTERISTICS:

DISEASES	
SUDDEN DEATH SYNDROME (SDS) TOLERANCE	4
BROWN STEM ROT (BSR) TOLERANCE	3
PHYTOPHTHORA (PRR) TOLERANCE	4
PRR RESISTANCE	Rps1c
SOYBEAN CYST NEMATODE (SCN) RESISTANCE	R

SENSITIVITY	
CHLORIDE SENSITIVITY	Exc

MANAGEMENT	
MATURITY GROUP	3
RELATIVE MATURITY	3.3
TRAIT	RR2X

PRODUCTION	
IRON CHLOROSIS	5
STANDABILITY	1
EMERGENCE	2

PLANT DESCRIPTION	
OIL CONTENT @ 13%	20.27
PLANT HEIGHT	MT
PUBESCENCE COLOR	G
POD WALL COLOR	Br
PLANT TYPE	M
PROTEIN CONTENT @ 13%	40.02
FLOWER COLOR	P
GROWTH HABIT	Indeterminate
HILUM COLOR	IB

LEGEND

RATING SCALE:

1-2 = Excellent
3-4 = Very Good
5-6 = Good
7-8 = Fair
9 = Poor

N/A = Not Available

A rating of "1" in standability is a soybean product with excellent standability. A rating of "1" in brown stem rot is a product with excellent tolerance to brown stem rot.

SOYBEAN CYST NEMATODE

R = Resistance

MR = Moderate Resistance

MR/MS = Moderate Resistance to Moderately Susceptible

S = Susceptible

= Race 1, 3, 5, 9 or 14

A recent publication suggests that soybean cyst nematode populations should be described by a different method called HG type, instead of races. The Race 3 population used in our evaluations would be equivalent to "HG Type 0" and the Race 14 population would be equivalent to "HG Type 1.3" under the direction of the paper.

WHITE MOLD

White mold, caused by *Sclerotinia sclerotiorum*, is a soybean disease for which there is currently no known form of complete genetic resistance. Scores represent relative levels of tolerance to the disease, as outlined below.

<4 = Very Good

4 = Good

5 = Above Average

6 = Average

7 = Below Average

>7 = Poor

CANOPY

Th = Thin

M = Medium

MB = Medium Bushy

B = Bushy

PHYTOPHTHORA GENE SPECIFIC RESISTANCE

Susc. = Susceptible

Rps1^a denotes resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 21, 32, 36.

Rps1^c denotes resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36.

Rps1^k denotes resistance to Races 1-11, 13-15, 17, 18, 21-24, 26, 36, 37.

Rps2 denotes resistance to Races 1-5, 9-29, 33, 34, 36-39.

Rps3^a denotes resistance to Races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29, 31-35.

Rps6 denotes resistance to Races 1-4, 10, 12, 14-16, 18-21, 25.

Rps7 denotes resistance to Races 2, 12, 16, 18, 19, 33, 35, 36.

PHYTOPHTHORA FIELD TOLERANCE

Phytophthora field tolerance is a form of partial genetic resistance whereby the plant can maintain some level of productivity while infected with the pathogen. Phytophthora field tolerance scores represent relative responses to the following races of *Phytophthora sojae*. Reaction to *Phytophthora sojae* Race 25 for products with Rps1a, Rps1c, Rps1k, Rps7. Reaction to *Phytophthora sojae* Race 17 and/or Race 30 for products with Rps2, Rps3a, Rps6. Phytophthora field tolerance scores indicate the following levels of tolerance:

<4 = Very Good

4 = Good

5 = Above Average

6 = Average

7 = Below Average

>7 = Poor

PUBESCENCE

G = Gray

T = Tawny

LT = Light Tawny

FLOWER COLOR

P = Purple

W = White

TRAITS

CONV = Conventional

GENRR2Y = Genuity® Roundup Ready 2 Yield®

RR2X = Roundup Ready 2 Xtend®

SR = Sulfonylurea Ready (Sulfonylurea-based Herbicide Tolerance)

VG = Vistive® Gold

CHLORIDE SENSITIVITY

Inc. = Includer

Exc. = Excluder

Excluder products have increased tolerance to elevated soil chloride levels compared to includers. Excluder products partition chloride in root systems and reduce the amount transported to ore sensitive above-ground tissue.

SOUTHERN ROOT KNOT

R = Resistant

MR = Moderately Resistant

MS = Moderately Susceptible

S = Susceptible

HILUM COLOR

BL = Black

G = Gray

IB = Imperfect Black

IY = Imperfect Yellow

BR = Brown

BF = Buff

Y = Yellow

M = Mix

POD WALL COLOR

BR = Brown

TN = Tan

XtendiMax® herbicide with VaporGrip® Technology is part of the Roundup Ready® Xtend Crop System and is a restricted use pesticide. 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. XtendiMax® herbicide with VaporGrip® Technology and products with XtendFlex® Technology may not be approved in all states and may be subject to use restrictions in some states. Check with your local product dealer or representative or U.S. EPA and your state pesticide regulatory agency for the product registration status and additional restrictions in your state. For approved tank-mix products and nozzles visit XtendiMaxApplicationRequirements.com.

Commercialization is dependent on multiple factors, including successful conclusion of the regulatory process. **The information presented herein is provided for educational purposes only, and is not and shall not be construed as an offer to sell, or a recommendation to use, any unregistered pesticide for any purpose whatsoever.** It is a violation of federal law to promote or offer to sell an unregistered pesticide.

Do not export Roundup Ready® Alfalfa seed or crop, including hay or hay products, to China pending import approval. In addition, due to the unique cropping practices **do not plant Roundup Ready® Alfalfa in Imperial County, California**, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Certain 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. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

Roundup Ready technology contains genes that confer tolerance to glyphosate, an active ingredient in **Roundup® brand agricultural herbicides**. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate.

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto'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 DIRECTIONS FOR USE ON PESTICIDE LABELING. 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. 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.

Roundup Ready 2 Xtend® soybeans contains 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 Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended weed control programs.

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

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. SmartStax® RIB Complete® corn blend is not allowed to be sold for planting in the Cotton-Growing Area. **See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.**

Performance may vary, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

The Climate FieldView™ services provide estimates or recommendations based on models. These do not guarantee results. Consult your agronomist, commodities broker and other service professionals before making financial, risk management, and farming decisions. Information and recommendations we provide do not modify your rights under insurance policies purchased through our affiliates. More information at www.climate.com/disclaimers.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Acceleron®, DroughtGard®, FortiField™, LibertyLink®, NemaStrike™, Poncho®, QuickRoots®, RIB Complete and Design®, RIB Complete®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready PLUS®, Roundup Ready®, Roundup®, SmartStax®, Specialty Hybrids™, Specialty and Design®, TagTeam®, VaporGrip®, VOTiVO®, VT Double PRO®, VT Triple PRO®, the Water Droplet Design®, XtendiMax®, and Your Field, Our Specialty®, are trademarks of Bayer Group. Climate FieldView™ is a trademark of The Climate Corporation. Herculex® is a registered trademark of Dow AgroSciences LLC. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners. ©2019 Bayer Group, All Rights Reserved.

