

RX00749 BRAND



Relative Maturity <h1>0.7</h1>	Trait
Key Strengths <ul style="list-style-type: none"> • Roundup Ready 2 Xtend® soybean with outstanding Iron Deficiency Chlorosis tolerance • Strong, defensive soybean • Excellent Phytophthora Root Rot package 	
Notes	

DISEASES	
PHYTOPHTHORA ROOT ROT TOLERANCE	4
SOYBEAN CYST NEMATODE	R3
PRR RESISTANCE	RPS1K
BROWN STEM ROT	-
PLANT DESCRIPTION	
FLOWER COLOR	P
GROWTH HABIT	I
HILUM COLOR	BL
OIL CONTENT @ 13%	-
PLANT HEIGHT	MS
PLANT TYPE/CANOPY	M
POD WALL COLOR	BR
PROTEIN CONTENT @ 13%	-
PUBESCENCE COLOR	T

MANAGEMENT	
PATENT #	-
MATURITY GROUP	00
VARIETY NAME	-
SENSITIVITY	
CHLORIDE SENSITIVITY	-
PRODUCTION	
EMERGENCE	2
IRON DEFICIENCY CHLOROSIS (IDC) TOLERANCE	3
NO-TILL ADAPTABILITY	2
STANDABILITY	3

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 Rps1a denotes resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 21, 32, 36. Rps1c denotes resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36. Rps1k 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. Rps3a 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

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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.

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