



PIONEER® BRAND PRODUCTS	Relative Maturity	Technology Segment		Harvest Standability		Field Emergence		SCN Resistance Source				Phytoph. Resist. Gene		Flower Color		Phytoph. Field Tol		Iron Def. Chlorosis		White Mold		Sudden Death Syndrome		Frogeye Leaf Spot		Canopy Width		Shattering		Plant Height for Maturity		% Protein at 13% Moisture		% Oil at 13% Moisture		Seed Size Range		Pubescence Color		Hila Color		Aphid Antibiosis	
P39A82S	39	STS	5	6				PI88788	8	6	-		P	5	4**	4**	5**	5**	6**					5	35.6	18.7	2550-2950	G	Y														

P39A82S* (STS)



Relative Maturity 39

Positioning For:



KEY ENVIRONMENTS

SUITABILITY RATINGS

High Yield Environment	Suitable
Early Planting	Suitable
No-Till	Suitable
Wide Rows	Suitable
Stress Environments	Suitable

MANAGEMENT COMMENTS

- A versatile/defensive variety with strong emergence and good standability allows for positioning across various soil types.
- Conventional variety with SCN and improved SDS.
- Clear hila, high protein, potential food grade product .

SOIL STRAIT SCORE RATINGS: 9 = Excellent; 1 = Poor.
Canopy Width: 9

SUITABILITY

Drought-Prone Soils	Suitable
Heavy Clay Soils	Suitable
Poorly Drained Soils	Manage Appropriately

CHARACTERISTIC SCORES	
Phytoph. Field Tol.	1
Canopy Width	
Technology Segment	STS
Phytoph. Resist. Gene	-
Plant Height for Maturity	

DISEASE & PEST PROTECTION TRAITS	
SCN Race 3	7
Frogeye Leaf Spot	6**
Sudden Death Syndrome	3**
White Mold	

SCN Race 3
= Extremely Bushy; 1 = Very Narrow. Plant Height: 9 = Tall; 1 = Short. Blank = Insufficient Data. ** Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

* NEW ** Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

IMPORTANT: Trait rating scores provide key information useful in selection and management of Pioneer® brand products in your area. Information and ratings are based on comparisons with other Pioneer brand products, not competitive products. Information and scores are assigned by DuPont Pioneer Research Managers. Scores are based on period-of-years testing through 2015 harvest and were the latest available at time of printing. Some scores may change after 2015 harvest. Scores represent an average of performance data across areas of adaptation, multiple growing conditions, and a wide range of both climate and soil types, and may not predict future results. All products within a hybrid family receive the same score unless observations indicate a significant difference. Individual product responses are variable and subject to a variety of environmental, disease and pest pressures. Please use this information as only one component of your product positioning decision. Refer to www.pioneer.com/products or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.

**DuPont™
STS®**

herbicide tolerant gene

DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO SOYBEANS WITH Roundup Ready 2 Xtend® technology unless you use a dicamba herbicide product that is specifically labeled for that use in the location where you intend to make the application. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO MAKE AN IN-CROP APPLICATION OF ANY DICAMBA HERBICIDE PRODUCT ON SOYBEANS WITH Roundup Ready 2 Xtend® technology, OR ANY OTHER PESTICIDE APPLICATION, UNLESS THE PRODUCT LABELING SPECIFICALLY AUTHORIZES THE USE. 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 soybeans with Roundup Ready 2 Xtend® technology. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Soybeans with Roundup Ready 2 Xtend® technology contain genes that confer tolerance to glyphosate and dicamba. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Roundup Ready 2 Xtend® is a trademark of Monsanto Technology LLC used under license. Always follow stewardship practices in accordance with the Product Use Guide (PUG) or other product-specific stewardship requirements including grain marketing and pesticide label directions. Varieties with BOLT® technology provide excellent plant-back flexibility for soybeans following application of SU (sulfonylurea) herbicides such as DuPont(TM) LeadOff® or DuPont(TM) Basis® Blend as a component of a burndown program or for double-crop soybeans following SU herbicides such as DuPont(TM) Finesse® applied to wheat the previous fall. Always follow grain marketing, stewardship practices and pesticide label directions. Varieties with the Glyphosate Tolerant trait (including those designated by the letter "R" in the product number) contain genes that confer tolerance to glyphosate herbicides. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Always follow grain marketing, stewardship practices and pesticide label directions. Varieties with the Genuity® Roundup Ready 2 Yield® (RR2Y) trait contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity®, Roundup® and Roundup Ready 2 Yield® are registered trademarks of Monsanto Technology LLC used under license. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible. Varieties with the DuPont(TM) STS® gene (STS) are tolerant to certain SU (sulfonylurea) herbicides. This technology allows post-emergent applications of DuPont(TM) Synchrony® XP and DuPont(TM) Classic® herbicides without crop injury or stress (see herbicide product labels). **NOTE:** A soybean variety with a herbicide tolerant trait does not confer tolerance to all herbicides. Spraying herbicides not labeled for a specific soybean variety will result in severe plant injury or plant death. Always read and follow herbicide label directions and precautions for use. Varieties with the LibertyLink® gene (LL) are resistant to Liberty® herbicide. Liberty®, LibertyLink® and the Water Droplet Design are trademarks of Bayer. (-) = Variety does not contain a herbicide resistant gene. P = Plenish® high oleic soy oil product for contract production only.

IMPORTANT	<p>Product responses are variable and subject to any number of environmental, disease and pest pressures. Please use this information as only part of your product positioning decision. Individual results may vary.</p> <p>Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on testing through 2016 harvest and were the latest available at time of printing. Some scores may change after 2017 harvest. Information and ratings are based on average performance across area of adaptation under normal conditions, over a wide range of both climate and soil types, and may not predict future results. Refer to www.pioneer.com or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.</p>
NUMERIC RATINGS	<p>Note: All Pioneer products are varieties unless designated with LL, in which case some are brands.</p> <p>9 = Excellent; 1 = Poor; Blank = Insufficient Data or variety not tested for that particular trait.</p> <p>** Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.</p> <p>Note: U.S. patents, Plant Variety Protection Act (PVPA) applications and certificates, or other limitations on use may be used to protect Pioneer soybean varieties from unauthorized growing, selling or use of the seed. These protections help assure that growers will continue to have access to new and improved varieties through the research efforts of plant scientists in the years ahead.</p>
EXPORT APPROVAL NOTICE	<p>This product is fully approved in the United States and Canada. Traits included in these products may or may not be approved in all global markets; therefore, the combination of these traits and the grain and certain by-products (including oil, dried distillers grain, cobs, and husks) from THESE PRODUCTS MAY NOT BE APPROVED for all markets. Growers that use this product are required and agree to adhere to the stewardship requirements as outlined in the Pioneer Product Use Guide and product-specific Stewardship Requirements for this product, which include specific grain disposition requirements. For questions regarding product stewardship and biotech traits please contact your sales representative or refer to www.pioneer.com/stewardship. Growers are required to discuss trait acceptance and grain channeling policies with their local grain handler prior to delivering grain containing biotech traits.</p>

TECHNOLOGY SEGMENT

Always follow stewardship practices in accordance with the Product Use Guide (PUG) or other product-specific stewardship requirements including grain marketing and pesticide label directions. Varieties with BOLT™ technology provide excellent plant-back flexibility for soybeans following application of SU (sulfonylurea) herbicides such as DuPont® LeadOff® or DuPont® Basis® Blend as a component of a burndown program or for double-crop soybeans following SU herbicides such as DuPont® Finesse® applied to wheat the previous fall.

DuPont®, LeadOff®, Basis® Blend and Finesse® are trademarks or registered trademarks of DuPont or its affiliates.

Always follow grain marketing, stewardship practices and pesticide label directions. Varieties with the glyphosate tolerant trait (including those designated by the letter ?R? in the product number) contain genes that confer tolerance to glyphosate herbicides. Glyphosate herbicides will kill crops that are not tolerant to glyphosate.

Always follow grain marketing, stewardship practices and pesticide label directions. Varieties with the Genuity® Roundup Ready 2 Yield® (RR2Y) trait contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity®, Roundup® and Roundup Ready 2 Yield® are registered trademarks of Monsanto Technology LLC used under license. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

Varieties with the DuPont® STS® gene (STS) are tolerant to certain SU (sulfonylurea) herbicides. This technology allows post-emergent applications of DuPont® Synchrony® XP and DuPont® Classic® herbicides without crop injury or stress (see herbicide product labels). NOTE: A soybean variety with a herbicide tolerant trait does not confer tolerance to all herbicides. Spraying herbicides not labeled for a specific soybean variety will result in severe plant injury or plant death. Always read and follow herbicide label directions and precautions for use.

DuPont®, STS®, Synchrony® XP and Classic are trademarks or registered trademarks of DuPont or its affiliates.



Varieties with the LibertyLink® gene (LL) are resistant to Liberty® herbicide.

Liberty®, LibertyLink® and the Water Droplet Design are trademarks of Bayer.

P = Plenish® high oleic soy oil product for contract production only.

(-) = Variety does not contain a herbicide resistant gene.

NUMERIC RATINGS	9 = Excellent; 1 = Poor; Blank = Insufficient Data or variety not tested for that particular trait.
RELATIVE MATURITY	Shows the relative maturity group rating, with the first digit representing the general maturity group, and the second digit showing relative maturity within the group on a scale of 0 to 9, with 0 early and 9 late. For example, a soybean variety with a relative maturity rating of 17 would be a mid-late variety in Group I maturity.
FIELD EMERGENCE	Rating based on speed and strength of emergence in sub-optimal temperatures. 1-3 = Below Average; 4-6 = Average; 7-9 = Excellent.
HYPOCOTYL LENGTH	Ratings based on relative length of hypocotyls, which is the portion of the seedling between the cotyledons and the root. S = Short; M = Medium; L = Long.
PHYTOPHTHORA RESISTANCE GENE	(-) = No specific gene for resistance. 1a = Provides resistance to races 1-2, 10-11, 13-18, 24. 1c = Provides resistance to races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36. 1k = Provides resistance to races 1-11, 13-15, 17, 18, 21-24, 26, 36, 37. 6 = Provides resistance to races 1-4, 10, 12, 14-16, 18-21, 25, 28, 33-35.
PHYTOPHTHORA FIELD TOLERANCE	Varieties with high tolerance scores have demonstrated an ability to thrive in the presence of Phytophthora races to which they lack specific resistance. In some varieties, tolerance is expressed only after the early seedling growth stage, making such varieties susceptible to damping off during emergence and early seed growth.
WHITE MOLD	Scores based on Pioneer research observations of comparative white mold tolerance among various soybean varieties across multiple locations and years. All varieties are capable of developing white mold symptoms under severe infestations. To our knowledge, there are no totally resistant varieties in the industry. However, differences exist in the ability of varieties to tolerate white mold (i.e., the rate at which the infection develops and the extent of damage it causes). These scores reflect those differences.
BROWN STEM ROT MARKER PREDICTED	HT = Highly Tolerant; MT = Moderately Tolerant; MS = Moderately Susceptible.
SCN RESISTANCE SOURCE	There are three sources of genetic resistance to SCN currently deployed in the marketplace: PI88788; PI548402 (also known as Peking); and PI437654 (also known as Hartwig).
SOYBEAN CYST NEMATODE [SCN]	Resistance to each of the major SCN races is scored on a 1-9 scale. 9 = Excellent resistance; 8-7 = Very good resistance; 6 = Good resistance; 5 = Average resistance; 4 = Below average resistance; 3-2 = Susceptible; 1 = Highly susceptible; to the specific race indicated.
APHID ANTIBIOSIS	A type of resistance that measures the plant's ability to naturally reduce the rate of growth, survival and reproduction of soybean aphids on soybean plants. Antibiosis is measured by comparing the rate of aphid reproduction on different varieties. Since no varieties currently on the market offer complete resistance to aphids, growers should use these antibiosis ratings as a pest management tool (not a variety selection tool) to help determine field scouting and insecticide application priorities. ?E? = exceptional, ?AA? = above average, ?A? = average and ?BA? = below average antibiosis ratings. For example, varieties with exceptional ratings display much lower aphid reproduction compared to varieties with average and below average ratings.
CHARCOAL ROT DISEASE COMPLEX	A fungal disease that is enhanced by hot and dry conditions, especially during reproductive growth stages. Scores based on Pioneer research observations of the comparative ability to tolerate drought and limit losses from charcoal rot infection among various soybean varieties.
STEM CANKER GENE	?9? = provides resistance. ?5? = provides moderate resistance. ?1? = no specific gene for resistance.
CERCOSPORA	A fungal disease that is enhanced by wet periods followed by hot and dry conditions, especially during reproductive growth stages. Scores based on DuPont Pioneer research observations of the comparative ability to tolerate infection from the Cercospora kikuchii pathogen among various soybean products.
CHLORIDE SENSITIVITY	This score tracks the ability of the soybean variety screened for this trait to be able to grow and have normal yields in soils that have high levels of chloride salts.
CANOPY WIDTH	9 = Extremely bushy; 1 = Very narrow.
SHATTERING	9 = Excellent tolerance to shattering; 1 = Poor tolerance to shattering.
PLANT HEIGHT FOR MATURITY	9 = Tall; 1 = Short.
PLANT HABIT	IND = INDETERMINATE-type soybeans grown in Group OO-IV regions. These plants typically continue to grow as they flower, resulting in a longer pod fill time. You may find nearly mature seeds at the bottom of a plant that is still flowering at the top. DET = DETERMINATE soybeans grown in Group V and later maturities. These plants typically stop growing once they begin to flower, and all flowering occurs within a more defined timeframe.
FLOOD TOLERANCE	Tolerance to standing water or saturated soils which are typically found at the low end of surface irrigated fields or in the low lying areas of fields after a heavy rain event. The score is a measure of the variety's potential to continue normal growth and photosynthesis when placed under those environmental conditions for up to one week.
% PROTEIN AT 13% MOISTURE	Compare data within table only. Values can vary widely by growing season and region.
% OIL AT 13% MOISTURE	Compare data within table only. Values can vary widely by growing season and region.
SEED SIZE RANGE	Expressed in seeds per pound under normal growing conditions. Range is calculated over multiple years and locations. Since seed size may vary by growing season and region, check the "seeds/pound" information printed on the bag for actual seed count.
FLOWER COLOR	P = Purple; W = White.
PUBESCENCE COLOR	T = Tawny; G = Gray; L = Light tawny.

HILA COLOR **BL** = Black; **BR** = Brown; **TN** = Tan; **G** = ; **IB** = Imperfect black; **BF** = Buff; **Y** = Yellow (Clear).

POD COLOR **BR** = Brown; **TN** = Tan.

SEED COAT LUSTER **S** = Shiny; **D** = Dull; **I** = Intermediate.

U.S. GERMPASM PATENT **I** = Patent issued; **A** = Patent applied for. Pioneer brand soybean products protected by patents or containing a patented gene or trait are licensed to a purchaser
STATUS (as of 12/1/14) solely for the purpose of producing a single commercial crop.

U.S. PLANT VARIETY **PVP** = Certificate issued under updated PVP Act provisions enacted in 1994 (application filed/certificate issued after April 4, 1995); **A** = PVP certificate applied for.
PROTECTION (PVP) This version of the PVP Act permits only saving and planting of seed by a grower on his own farm ? and no excess seed can be sold for planting purposes.
STATUS (as of 12/1/14)