# Characteristic Ratings of Pioneer® brand Soybean Products for 2023-24

| Variety/Brand** | Relative Maturity | Technology Segment | Harvest Standability | Field Emergence | Phytoph. Resist. Gene | Phytoph. Field Tol. | Iron Def. Chlorosis | White Mold | Sudden Death Syndrome | Frogeye Leaf Spot | Canopy Width | Plant Height for Maturity | Seeds Per Pound | Pubescence Color | Hila Color |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P18A73E | 1.8 | E3 | 7 | 7 | 1k | 3** | 5 | 5 | 7** | 9** | 5 | 4 | 2720 | L | BL |
| P18T91E | 1.8 | E3 | 7 | 8 | 1k | 5 | 6 | 5 | 5 | 3** | 5 | 3 | 2460 | G | IB |
| P19A14X | 1.9 | RR2X | 7 | 8 | 1k | 4 | 4 | 4 | 7 | 8 | 5 | 5 | 2770 | G | BF |
| P19A27PR | 1.9 | Plenish,R | 7 | 6 | 1c | 4 | 5 | 4 | 6** | 3** | 4 | 5 | 3130 | L | BL |
| P19A37E * | 1.9 | E3 | 7 | 8 | 1k,3a |  | 6 | 4 | 6** | 5** | 5** | 5 | 2650 | L | BL |
| P19A66E | 1.9 | E3 | 6 | 7 | - | 6** | 5 | 3 | 5** | 5** | 6** | 5 | 2620 | L | BR |
| P21A20 | 2.1 | - | 6 | 7 | 1c | 5 | 4 | 4 | 5 | 5 | 6 | 4 | 2330 | L | TN |
| P21A28X | 2.1 | RR2X | 7 | 8 | 1k | 5 | 5 | 6 | 7 | 8 | 6 | 5 | 2610 | L | BL |
| P21A53E | 2.1 | E3 | 7 | 7 | 1c | 5** | 5 | 3 | 5** | 5** | 5** | 4 | 2470 | L | BR |
| P22A67E * | 2.2 | E3 | 6 | 7 | 1k,3a |  | 6 | 4 | 6** | 5** | 5** | 5 | 2550 | L | BL |
| P22T86E | 2.2 | E3 | 7 | 7 | 1c,3a |  | 4 | 3 | 5 | 5** | 5 | 4 | 2150 | G | BF |
| P23A40E | 2.3 | E3 | 7 | 6 | 1k | 4** | 4 | 5 | 5 | 9** | 4** | 6 | 2620 | L | BL |
| P24A46PR | 2.4 | Plenish,R | 7 | 7 | 1k | 4 | 5 | 5 | 6 | 8** | 5 | 5 | 2820 | L | BL |
| P24A80X | 2.4 | RR2X | 8 | 7 | 1k | 5 | 5 | 6 | 6 | 9 | 5 | 5 | 2750 | L | BL |
| P24T35E | 2.4 | E3 | 7 | 7 | 1k | 6 | 6 | 3 | 4 | 3** | 6 | 5 | 3060 | G | BF |
| P25A04X | 2.5 | RR2X | 8 | 7 | 1k | 4 | 5 | 5 | 7 | 9 | 7 | 5 | 2590 | L | BR |
| P25A16E | 2.5 | E3 | 8 | 7 | 1k | 4** | 5 | 6 | 7 | 8** | 6 | 5 | 2650 | L | BR |
| P26A10 | 2.6 | - | 6 | 7 | 1c | 6 | 4 | 5 | 5 | 4** | 6 | 5 | 2500 | L | BR |
| P26A20 | 2.6 | - | 8 | 8 | 1k | 4 | 4 | 5 | 7 | 3** | 5** | 5 | 2190 | L | TN |
| P26T23E | 2 | E3 | 7 | 7 | 1k | 5 | 5 | 3 | 5 | 7** | 6 | 4 | 2490 | G | BF |
| P26T57E | 2 | E3 | 7 | 7 | 1k | 4 | 5 | 4 | 6 | 7** | 6 | 4 | 2670 | L | BL |
| P27A17X | 2 | RR2X | 6 | 6 | 1k | 3 | 4 | 3 | 5 | 9 | 6 | 5 | 2680 | L | BL |
| P27A26PR | 2 | Plenish,R | 9 | 8 | 1k | 5 | 5 | 6 | 6 | 8** | 6 | 4 | 2650 | L | BR |
| P28A39E * | 2 | E3 | 7 | 7 | 1k | 4** | 5 | 4 | 5** | 5** | 5** | 5 | 2550 | L | BR |
| P28A42X | 2 | RR2X | 7 | 7 | 1k | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 2450 | L | BR |
| P28A65E | 2 | E3 | 8 | 6 | 1k | 5** | 3 | 4 | 6** | 3** | 6 | 4 | 2460 | L | BL |
| P28A74PR | 2 | Plenish,R | 7 | 7 | 1k | 4 | 5 | 3 | 4 | 7 | 5 | 5 | 2630 | L | BL |
| P28A83PR | 2 | Plenish,R | 7 | 8 | 1k | 5 | 5 | 6 | 6 | 6 | 4 | 5 | 2670 | L | BL |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P29A19E | 2 | E3 | 7 | 7 | 1k,3a | | 4 | 4 | 7 | 3** | 6 | 5 | 2600 | L | BL |
| P29A25X | 2 | RR2X | 7 | 7 | 1k | 5 | 5 | 6 | 6 | 6 | 5 | 6 | 2550 | L | BR |
| P29A57PR * | 2 | Plenish,R | 7 | 7** | 1k | 7** | 3 | 5 | 6** | 8** | 5** | 5 | 2560 | L | BR |
| P29T37E | 2 | E3 | 6 | 7 | 1a | 5 | 3 | 2 | 5 | 9** | 5 | 6 | 2520 | G | BF |
| P29T50 | 2 | - | 6 | 7 | 1k | 5 | 4 | 4 | 7 | 4 | 6 | 6 | 2270 | L | BR |
| P30A46PR | 3.0 | Plenish,R | 6 | 7 | 1k | 6 | 3 | 5 | 8 | 4 | 4 | 5 | 2490 | L | BR |
| P30A75E * | 3.0 | E3 | 7 | 7** | 1k | 5** | 6** | 5** | 6** | 8** | 6** | 4 | 2740 | L | BR |
| P30A93PR * | 3.0 | Plenish,R | 8 | 8 | 1k | 7** | 4 | 5** | 5** | 3** | 6** | 5 | 2210 | L | BR |
| P30T99E | 3.0 | E3 | 7 | 7 | 1k | 6 | 4 | 4 | 5 | 3 | 6 | 5 | 2690 | G | IB |
| P31A48PR * | 3.1 | Plenish,R | 7 | 7 | 1k | 4** | 5 | 5** | 5** | 5** | 5** | 5 | 2680 | L | BR |
| P31A95BX | 3.1 | Bolt,RR2X | 6 | 7 | 1k | 5 | 4 | 4 | 5 | 7 | 6 | 6 | 2700 | L | BL |
| P31T64E | 3 | E3 | 6 | 8 | 1c | 6 | 4 | 3 | 5 | 9** | 5 | 5 | 2600 | G | BF |
| P32A10 | 3 | - | 6 | 8 | 1k | 4 | 5 | 4** | 6 | 3** | 7** | 5 | 2460 | L | TN |
| P32T26E | 3 | STS,E3 | 6 | 8 | 1c | 7 | 4 | 3 | 5 | 9** | 6 | 5 | 2490 | G | BF |
| P33A62E * | 3 | E3 | 7 | 7 | 1c | 4** | 4 | 4** | 5** | 5** | 4** | 6 | 2630 | L | BR |
| P33T60 | 3 | - | 7 | 7 | 1c | 5 | 3 | 5** | 4 | 5 | 4 | 6 | 2470 | L | BR |
| P34A50 | 3 | - | 7 | 7 | 1c | 5 | 4 | 5** | 5 | 6 | 4 | 5 | 2440 | L | BR |
| P34A59PR | 3 | Plenish,R | 5 | 7 | 1k,3a | | 4 | 5 | 8 | 8 | 5 | 5 | 2570 | L | BR |
| P34A65PR | 3 | Plenish,R | 7 | 8 | 1k | 5 | 5 | 6** | 5 | 6** | 5 | 4 | 2590 | L | BL |
| P34A98E * | 3.4 | E3 | 8 | 8 | 1k | 4** | 3 | 3** | 6** | 5** | 6** | 3 | 2540 | L | BL |
| P34T21SE | 3 | STS,E3 | 7 | 7 | 1k | 5 | 4 | 4 | 5 | 8** | 5 | 6 | 2820 | G | BF |
| P35A20 * | 3.5 | - | 8** | 7** | 1k | 4** | 2 | 4** | 6** | 3** | 6** | 4 | 2540 | G | Y |
| P35A41 | 3 | - | 7 | 7 | 1c | 5 | 4 | 3** | 5 | 5 | 5 | 5 | 2880 | L | BR |
| P35A55X | 3 | RR2X | 6 | 8 | 1k | 6 | 5 | 5** | 5 | 8 | 5 | 5 | 2860 | L | BL |
| P35T01SE | 3 | STS,E3 | 6 | 7 | - | 5 | 5 | 3** | 7 | 5** | 5 | 5 | 2900 | L | BL |
| P35T15E | 3 | E3 | 7 | 8 | 1k | 6 | 4 | 4** | 5 | 4** | 5 | 4 | 2830 | G | IB |
| P36A83X | 3 | RR2X | 7 | 7 | 1a | 5 | 3 | 4** | 8 | 4 | 7 | 6 | 2500 | L | BL |
| P36A94PR | 3 | Plenish,R | 7 | 7 | 1k,3a | | 5 | 5** | 8 | 9 | 6 | 5 | 2730 | L | BR |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P37A18E | 3 | E3 | 8 | 6 | 1k | 5** | 3 | 4** | 7 | 5** | 6** | 3 | 2640 | L | BL |
| P37T33E | 3 | E3 | 7 | 8 | - | 5 | 4 | 2** | 5 | 7** | 5 | 4 | 2720 | L | BR |
| P37T51PR | 3 | Plenish,R | 5 | 6 | 1k | 8 | 4 | 4 | 5 | 4 | 6 | 5 | 2560 | L | BR |
| P38A10 | 3 | - | 7 | 7 | 1c | 6 | 5 | 4** | 6 | 7 | 6 | 5 | 2480 | L | BL |
| P38A28E * | 3 | E3 | 5 | 7 | - | 4** | 3 |  | 5** | 3** | 5** | 6 | 2760 | L | BL |
| P38T05E | 3 | E3 | 7 | 6 | - | 5 | 4 | 3** | 7 | 5** | 5 | 3 | 2940 | L | BR |
| P38T76E | 3 | E3 | 6 | 7 | - | 7 | 4 | 3** | 5 | 9** | 5 | 3 | 2790 | G | BF |
| P39A45X | 3 | RR2X | 7 | 8 | 1c | 5 | 5 | 3** | 6 | 9 | 6 | 5 | 2600 | L | BL |
| P39A78 * | 3 | - | 6 | 8 | 1c | 7** | 6 | 3** | 5 | 5** | 6** | 5 | 2440 | G | Y |
| P39A82S | 3 | STS | 5 | 7 | - | 5 | 4 | 3** | 4 | 5 | 6 | 5 | 2690 | G | Y |
| P40T19E | 4.0 | E3 | 7 | 7 | - | 5 | 4 |  | 5 | 6** | 5 | 3 | 3020 | L | BR |

* Introductory product. Quantities may be limited.

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.

** All Pioneer products are varieties unless designated with LL, in which case some are brands.

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

IMPORTANT: 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.

Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on testing through 2018 harvest and were the latest available at time of printing. Some scores may change after 2019 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.

NUMERIC RATINGS: 9 = Excellent; 1 = Poor; Blank = Insufficient Data or variety not tested for that particular trait.

Note: U.S. patents, Plant Variety Protection Act (PVPA) applications and certificates, or other limitations on use may be used to protect Pioneer soybean products from unauthorized growing, selling or use of the seed. These protections help assure that

growers will continue to have access to new and improved products through the research efforts of plant scientists in the years ahead.

RELATIVE MATURITY: Shows the relative maturity group rating, with the digits preceding the decimal representing the general maturity group, and the digit following the decimal showing relative maturity within the group on a scale of 0 to 9, with 0 early and 9 late. For example, a soybean product with a relative maturity rating of 1.8 would be a late product in Group 1 maturity.

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 sulfonylurea (SU) 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.

Varieties with the Roundup Ready 2 Yield® (RR2Y) trait: ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. 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. Roundup Ready 2 Yield® is a trademark of Bayer Group.

Varieties with the STS® trait are tolerant to certain sulfonylurea (SU) 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® (LL) gene are resistant to Liberty® herbicide. Liberty®, LibertyLink® and the Water Droplet Design are registered trademarks of BASF.

DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO SOYBEANS WITH Roundup Ready 2 Xtend® (RR2X) 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 registered trademark of Monsanto Technology LLC used under license.

Varieties with Enlist E3® technology (E3): The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies L.L.C.

Plenish® (P) high oleic soybeans have an enhanced oil profile and are produced and channeled under contract to specific grain markets. Growers should refer to the Pioneer Product Use Guide on www.pioneer.com/us/stewardship for more information.

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

FIELD EMERGENCE: Rating based on deep planting at sub-optimal temperatures. 7-9 = Excellent; 4-6 = Average; 1-3 = Below Average.

PHYTOPHTHORA RESISTANCE GENE:

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(-) = No specific gene for resistance.

Rps1^^ = Contains Rps1c or Rps1k Phytophthora resistance.

Rps1a = Provides resistance to races 1-2, 10-11, 13-18, 24.

Rps 1c = Provides resistance to races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36.

Rps 1k = Provides resistance to races 1-11, 13-15, 17, 18, 21-24, 26, 36, 37.

Rps 6 = Provides resistance to races 1-4, 10, 12, 14-16, 18-21, 25, 28, 33-35.

Rps 3a = Resistant to races 1-5, 8-9, 11, 13-14, 16, 18, 23, 25, 28-29, 31-35, 39-41, 43-45, 47-52, 54¿

Rps 3c = Resistant to races 1-4, 10-16, 18-36, 38-54¿

PHYTOPHTHORA FIELD TOLERANCE: Products with high tolerance scores have demonstrated an ability to thrive in the presence of Phytophthora races to which they lack specific resistance. In some products, tolerance is expressed only after the early seedling growth stage, making such products susceptible to damping off during emergence and early seed growth.

WHITE MOLD: Scores based on DuPont Pioneer research observations of comparative white mold tolerance among various soybean products across multiple locations and years. All products are capable of developing white mold symptoms under severe infestations. To our knowledge, there are no totally resistant products in the industry. However, differences exist in the ability of products 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.

CANOPY WIDTH: 9 = Extremely bushy; 1 = Very narrow.

PLANT HEIGHT FOR MATURITY: 9 = Tall; 1 = Short.

PUBESCENCE COLOR: T = Tawny; G = Gray; L = Light tawny; M = Mixed.

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