



Created: 2021

Sunflowers Seed Guide

Choose Products	Product Name	Rel. Mat.	Yield	Percent Oil	Emergence	Drydown	Self Fert.	Plant Ht.	Stem Curv.	Neck Strength	Stalk Strength	Root Strength	Rust Field Tolerance	Root Sclero.	Head Sclero.	Phomopsis	Midge Score	Downy Mildew Race Resist.
✓	P64ME01	41	9	6	6	5	7	7	8	9	8	8	-	7	7	8	-	1-4

1 products in this guide

See subsequent pages for complete definitions and disclaimers related to the product descriptions and ratings. All scores of integrated refuge products are based upon the major component. Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents. ®,TM,SM Trademarks and service marks of Dow AgroSciences, DuPont or Pioneer, and their affiliated companies or their respective owners. 2020 Corteva.

IMPORTANT

Information and ratings are based on comparisons with other Pioneer® brand products, not competitive products. Information and ratings are assigned by Pioneer Agronomists and Research Managers, 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. 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. Refer to www.pioneer.com/products/sunflowers 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.

RATINGS

*NEW

9 = Excellent; **1** = Poor; **Blank** = Insufficient Data.

Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on period-of-years testing through 2018 harvest and were the latest available at time of printing. Some scores may change after 2019 harvest. Contact your Pioneer sales professional before planting for the latest trait rating information.

Most Pioneer® brand sunflower seed is treated with Apron® to help protect against pythium and non-resistant strains of downy mildew. Apron® is a registered trademark of a Syngenta Group Company.

HERBICIDE SYSTEM

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RATINGS

*NEW

9 = Excellent; **1** = Poor; **Blank** = Insufficient Data.

DISEASE PRECAUTION

Grower should balance hybrid yield potential, hybrid maturity and cultural practice against anticipated risk of a specific disease and need for resistance. In high disease risk conditions, consider planting hybrids with at least a rating of 6 or higher to help reduce risk. When hybrids with disease ratings of 1 to 5 are planted in conditions of high disease pressure, the grower assumes a higher level of risk. If conditions are severe, even hybrids rated as resistant can be adversely affected. Independent of yield reduction, diseases can predispose plants to secondary diseases such as stalk rots. This requires individual field and hybrid monitoring for stalk stability and timely harvest when warranted.

DISEASE RATINGS

9-8 = Highly Resistant; **7-6** = Resistant; **5-4** = Moderately Resistant; **3-1** = Susceptible; **Blank** = Insufficient Data.

RM (RELATIVE MATURITY)

With no industry standard for maturity ratings, comparing hybrid maturity and harvest moisture ratings between companies is usually difficult. Use the RM rating to compare Pioneer® brand hybrids of a similar maturity and harvest moisture.

EMERGENCE

Ratings taken when first true leaf is visible.

MID-OLEIC SCORE

9 = Consistently meets oleic level specifications for NuSun® oil.

HIGH-OLEIC SCORE

9 = Consistently meets high-oleic specifications for high-oleic oil profile of 85%.

PLANT HEIGHT

Short stature is desirable. **9** = Short; **1** = Tall.

STEM CURVATURE

9 = Erect; **8** = Semi-Erect (preferred); **7** = Semi-Pendulous (preferred); **6** = Pendulous; **5** = Fully Pendulous.

MIDGE SCORE

To our knowledge, there are no fully resistant hybrids in this industry. However, differences exist in the ability to tolerate insect pressure. These scores reflect those differences. Heavy midge pressure can cause extensive damage to any hybrid.

DOWNY MILDEW RACE RESISTANCE

Indicates downy mildew resistance to the races identified.

HULL SCORE

A relative expression of hullability and kernel chipping. **9** = completely hulled, high percentage of whole kernels; **1** = poor hulling, many broken kernels.

PCT OVER 13

Using a 13/64th screen, oilseed types are divided by kernel size. **9** = high percentage over 13/64; **1** = low percentage.