

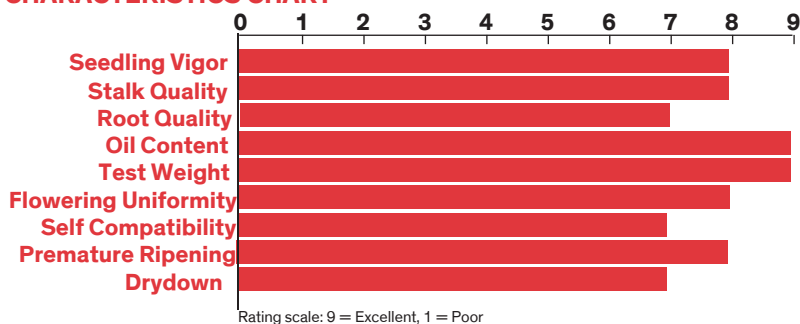
## SUNFLOWERS



### KEY STRENGTHS

- Medium full-season high-oleic hybrid with CLEARFIELD<sup>®</sup> herbicide technology.
- Provides genetic resistance to the most prevalent races of downy mildew in North America.
- Mid- to late oleic season hybrid with excellent test weight, oil content and very high oleic levels.
- Improved version of 8H449DM having shorter plants with improved root strength.

### CHARACTERISTICS CHART



### MANAGEMENT GUIDELINES

- Growers should protect their seed investment and stand establishment by purchasing seed treated with CruiserMaxx<sup>®</sup> Sunflower, a fungicide and insecticide treatment.
- Stand establishment is important. Maintain planters in optimum condition. Monitor planting depth. It is preferred to plant 1.5 inches deep and into at least 0.5 inch of moisture. Seed may be planted 2.5 inches deep, but expect delayed emergence and reduced stands.
- Plant during an acceptable "planting window" for your area. Be sure the hybrid maturity rating is appropriate for the planting date.
- Under no-till practices, increase plant populations by 5 percent to 10 percent versus conventional till management.
- Growers should monitor fields for insect pests and use appropriate insecticides if needed. The economic threshold is dependent upon infestation, pesticide cost and crop value.
- Sunflower should be harvested in a timely manner. Harvesting below 10 percent moisture reduces marketable yields and increases the chance for combine fires.
- Developed to be used with the CLEARFIELD<sup>®</sup> Production System. CLEARFIELD hybrids are tolerant to applications of BEYOND<sup>®</sup> herbicide. Follow label directions for growth stages and application rates.
- Oleic levels generally are enhanced by warm temperatures during seed-fill. If planting of a high-oleic hybrid is delayed or replanting is necessary, an earlier-maturing, high-oleic sunflower suitable for the shortened growing season is recommended. In some situations, growers also may benefit by switching to a NuSun<sup>®</sup> hybrid with appropriate maturity.

### MATURITY TRAITS

Maturity Group 3-4.....	4
Days to Flowering.....	69
Days to Physiological Maturity.....	97

### MANAGEMENT TRAITS

Suitability - Solid Seedling.....	7
Suitability - Delay Planting.....	7

### AGRONOMIC TRAITS

Plant Height.....	8
Neck Type.....	Medium Short
Neck Kinking.....	8
Head Attitude.....	Upright
Center Fill.....	7
Kernel Retention.....	8

### DISEASE AND INSECT TRAITS

Phomopsis.....	8
Rust.....	8
Sclerotinia Head Rot.....	7
Sclerotinia Stalk Rot.....	7
Verticillium.....	8
Midge.....	7

### MARKET OPTIONS

- Oilseed crush/NuSun<sup>®</sup>
- High-oleic
- Dehulling
- Bird food
- Confection

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Ratings: Mycogen Seeds utilizes a 9=Excellent, 1=Poor rating scale. Plant Height is rated using a 9=Short, 1=Tall scale. Days to Flowering and Days to Maturity are calculated from planting date. n/a is Insufficient Data. Actual ratings based on best current information available and may be affected by changing environmental conditions. Mycogen Seeds warrants that the seed sold by it conforms to the descriptions on accompanying labels within tolerances established or permitted by law. This warranty excludes and is in lieu of all other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose, which are hereby disclaimed.