



# SUNFLOWER

	High Oleic <sup>1</sup>	Muslin <sup>®</sup> <sup>1</sup>	Dehulling <sup>1</sup>	Birdseed <sup>1</sup>	Days to Maturity	Downy Mildew Resistance <sup>2</sup>	Phenopsis	Scorotima	Height	Root Strength	Stalk Quality	Drydown	Drought Tolerance	Oil Content	Starch Content	Common Planting Seed Size	
<b>EXPRESSSUN<sup>®</sup> SUNFLOWER</b>																	
CP432E	●	●	●	●	89	PI 8	2	3	Short	3	2	1	2	4	NA	2, 3, 4	
CP450E	●	●	●	●	94	PI 8	2	2	Medium	1	1	2	1	3	2	2, 3, 4	
CP455E	●	●	●	●	94	PI 6	2	2	Medium	3	2	1	2	2	1	2, 3, 4	
CP4909E	●	●	●	●	91	-	3	2	Short	2	2	1	3	2	NA	2, P3, 3, 4	
CP4157E	●	●	●	●	TBD	PI 6	1	2	Medium	4	2	2	4	2	NA	3, 4	
<b>CLEARFIELD<sup>®</sup> SUNFLOWER</b>																	
<b>NEW</b> CP5220CLSS	●	●	●	●	TBD	PI 6	1	NA	Super Short	1	1	1	1	1	4	3	
<b>NEW</b> CP5045CL	●	●	●	●	TBD	PI 6,17	3	2	Med-Short	1	1	1	3	1	2	NA	
CP545CL	●	●	●	●	94	PI 6	3	2	Short	1	1	1	3	2	2	NA	2, P3, 3, 4
CP71919CL	●	●	●	●	98	PI 6	1	3	Med-Tall	2	2	3	2	2	2	2, 3, 4	
<b>CONVENTIONAL SUNFLOWER</b>																	
CP3845	●	●	●	●	96	-	4	5	Med-Short	3	2	2	3	3	1	1	3, 4

## KEY

### Scale

- 1 = Excellent
- 2 = Strong
- 3 = Acceptable
- 4 = Manage
- 5 = Not Recommended

Product descriptions and ratings are generated from Answer Plot<sup>®</sup> trials and/or from the genetics supplier and may change as additional data is gathered.

### 1 Market Options

Grain not guaranteed to be sold in your area. Due to factors outside our control, WinField United does not guarantee oleic levels.

TBD = still in testing.

### 2 Downy Mildew Resistance

**PI 2 gene** = This gene is resistant to some of the early races of downy mildew, but it is susceptible to most of the common races found today.

**PI 6 gene** = This gene is resistant to races prevalent before 2009; it is susceptible to races 314, 704, 714, 734 and 774.

**PI 8 gene** = This gene can get infected, but then stops downy mildew from advancing or having an economic impact on all common races.

**PI 13 gene** = This gene is exclusive to CROPLAN<sup>®</sup> hybrids and is resistant to all known races of downy mildew.

**PI P gene** = Proprietary gene developed to control all known races of downy mildew.

**PI 17 gene** = Advanced control, resistant to all known races of downy mildew.