



# nufarm

## Evolving Ag



Nufarm sunflower hybrids are bred and tested in the heart of the U.S. sunflower region for strong, reliable performance. With R&D based in Breckenridge, Minn., and support from the Nufarm Innovation Center in Sacramento, Calif., we deliver leading-edge traits to U.S. growers.

Our hybrids feature advanced downy mildew resistance, Phomopsis tolerance, and herbicide tolerance to meet your field's needs. With a wide range of maturities, sizes, and oil profiles, Nufarm supports all four market segments:

- High oleic
- NuSun® (mid-oleic)
- Conoil (dehull)
- Confection

**NUFARM SUNFLOWERS ARE TESTED ON ACRES LIKE YOURS, SO THEY PERFORM ON ACRES LIKE YOURS.**



### Herbicide Tolerant Traits

Sunflowers are a non-GMO crop. Through years of selective breeding techniques Nufarm has introgressed the Clearfield®, Clearfield® Plus and ExpressSun® traits into the majority of our hybrids to help growers manage weeds.



**ExpressSun®**  
trait

# Sunflower Hybrid Characteristics

Hybrid Rating Scale 1=Poor, 9=Excellent  
Plant Height Rating Scale 1=Shortest, 9=Tallest

	HIGH OLEIC								NUSUN	CONOIL (DEHULL)	CONFECTION
	N4H161 CL	NEW N4H205 E	N4H302 E	NEW N4H3337	N4H422 CL	NEW N4H462 E	N4H470 CLP	N4H490 E	FALCON	N5H493 CL	PANTHER DMR
MATURITY	ULTRA- EARLY	EARLY	MED-EARLY	MED- EARLY	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MED- EARLY	MEDIUM	EARLY
TRAITS	Clearfield/ DMR	ExpressSun/ DMR	ExpressSun	ExpressSun/ DMR	Clearfield/ DMR	ExpressSun/ DMR	Clearfield Plus/ DMR	ExpressSun/ DMR	ExpressSun	Clearfield	DMR
EMERGENCE	8	8	9	8	8	8	8	8	7	7	7
DROUGHT TOLERANCE	7	7	6	7	8	8	8	8	8	7	6
UNIFORMITY AT FLOWERING	8	8	8	9	8	9	9	9	8	8	7
YIELD FOR MATURITY	8	8	7	8	8	9	9	9	8	8	8
TEST WEIGHT	8	7	7	8	8	8	8	8	8	6	8
DRY DOWN	5	9	8	7	7	6	6	6	7	7	7
OIL CONTENT	6	9	7	8	7	8	8	8	7	3	N/A
LATE SEASON PLANT HEALTH	8	7	7	8	8	8	8	8	8	7	7
STALK RATING	7	8	7	8	9	8	7	7	8	8	8
ROOT RATING	8	8	6	7	9	8	7	7	7	8	7
PLANT HEIGHT	3	6	6	6	8	8	8	8	6	6	6

## GOLDEN OPPORTUNITIES WITH NUFARM SUNFLOWER HYBRIDS

Every acre counts. That's why understanding sunflower markets and the risks and rewards of each is key before selecting a hybrid. At Nufarm, we're here to help you choose with confidence so you can make the most of every season.

Sunflower seed types fall into three main categories: oilseed, conoil, and confection. Each offers distinct market opportunities and considerations:



### OILSEED

- High oleic and NuSun® types
- Markets: oil crush, bird food, dehull



### CONOIL

- Striped or black seed with versatility
- Markets: dehull, in-shell, oil, bird food



### CONFECTION

- Round, long, or extra-long hybrids
- Markets: in-shell, dehull; bird food when possible



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