

Dryland Sunflower Variety Trial - NDSU

WREC, Williston, ND 2018

Variety	Brand/Company	Hybrid Type	Oil Type	Days to Flower	Days to Mature	Plant height	Oil ¹	Test weight	Yield	
									2-Yr Avg*	3-Yr Avg**
				(DAP ²)	(DAP ²)	(in)	(%)	(lb/bu)	----(lb/a)----	
Proseed E-21	Proseed	Clearfield	NuSun	65	95	47.6	35.1	29.8	-	-
Proseed E-31	Proseed	Clearfield	NuSun	65	96	49.7	34.2	28.9	-	-
Proseed E-50016	Proseed	Clearfield	NuSun	65	94	40.8	37.4	31.2	-	-
Camaro II	Nuseed	Clearfield	NuSun	65	92	42.7	37.5	31.4	2422	2198
N4HP470	Nuseed	Clearfield	High Oleic	66	95	44.0	40.2	29.0	-	-
N4HE302	Nuseed	ExpressSun	High Oleic	65	92	42.3	39.0	29.7	-	-
N4HM354	Nuseed	Clearfield	NuSun	63	93	41.5	39.1	30.5	2567	2205
Falcon	Nuseed	ExpressSun	NuSun	65	94	39.9	37.2	31.3	2899	-
N5LM307	Nuseed	Clearfield	NuSun	61	92	45.4	32.6	28.5	-	-
Mean				65	93	46.6	36.9	29.8	-	-
CV (%)				1.6	1.0	7.5	1.7	2.5	-	-
LSD (5%)				1.5	1.3	4.9	0.9	1.1	-	-
LSD (10%)				1.2	1.1	4.1	0.8	0.9	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft.

Previous crop: Spring Wheat

Planted: 06/06/2018.

Hand Harvested: 9/12/2018.

Soil test (0-6"): P=29 ppm; K=278 ppm; pH=6.1; OM=1.8%.

Soil type: Williams-Bowbells loam.

(0-24"): NO3-N=41 lb/a.

Applied fertilizers in lb/a: N=59; S=14.8.

¹Seed Oil Content=Oils are reported on an oven-dried basis, 120 °F for 4 hours

*Averages of years 2016 and 2017. **Averages of years 2015, 2016, and 2017

²DAP = Days after planting.

Note: Trial received heavy rain, wind, and hailstorms that damaged the crop and adversely affected yield. Therefore, this year's yield has not been reported.

06/23/2018: Wind speed=46 mph; Precipitation=1.53".

07/09/2018: Wind speed=48 mph; Precipitation=1.67".

06/28/2018: Wind speed=61 mph; Precipitation=0.94"; Hail.