

Sunflower Dryland Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Company	Hybrid Type	Oil Type	Days to Flowering	Days to Maturity	Height	Oil [†]	Test Weight	Yield		
									2019	2-Yr Avg	3-Yr Avg
				(DAP ¹)	(DAP ¹)	(in)	(%)	(lb/bu)	(lb/a)	(lbs/a)	
N4HM354	Nuseed	Clearfield	Nusun	70	130	46	42.3	32.59	1002	1743	1868
Camaro II	Nuseed	Clearfield	Nusun	67	131	44	42.9	32.49	1052	1782	1856
Falcon	Nuseed	Express	Nusun	70	131	45	42.3	32.37	987	1765	1803
E-362436	Proseed	Conventional	Nusun	69	133	52	41.7	34.65	1196	-	-
E-91 E	Proseed	Express	Nusun	69	131	52	37.0	29.23	862	-	-
E-92 E	Proseed	Express	Nusun	73	132	59	40.2	29.99	923	-	-
N4H470 CL Plus	Nuseed	Clearfield	High Oleic	71	133	46	48.3	33.85	1428	-	-
N4H302 E	Nuseed	Express	High Oleic	69	132	46	44.7	30.45	1138	-	-
H42HO18CL	Dyna-Gro	Clearfield	High Oleic	68	130	39	45.2	31.86	807	-	-
H44HO12CL	Dyna-Gro	Clearfield	High Oleic	66	133	44	43.5	32.51	1340	-	-
H45HO10EX	Dyna-Gro	Express	High Oleic	70	133	46	42.1	30.80	686	-	-
H45NS16CL	Dyna-Gro	Clearfield	Nusun	67	132	43	43.9	34.70	1397	-	-
H48HO15CL	Dyna-Gro	Clearfield	High Oleic	72	133	49	48.4	31.68	1329	-	-
H49HO19CL	Dyna-Gro	Clearfield	High Oleic	71	131	48	46.2	32.05	1294	-	-
H49NS14CL	Dyna-Gro	Clearfield	Nusun	70	133	45	43.5	33.86	1247	-	-
CP450E	Windfield	Express	High Oleic	71	133	42	37.9	30.56	1189	-	-
CP455E	Windfield	Express	High Oleic	70	133	43	42.3	32.27	989	-	-
Mean				69	131.8	47.0	41.8	31.9	1127	-	-
CV (%)				1.5	0.7	4.4	4.4	2.1	14.5	-	-
LSD (5%)				1.4	1.3	2.9	2.6	1.0	231.7	-	-
LSD (10%)				1.2	1.1	2.4	2.2	0.8	193.5	-	-

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

Previous crop: Cover Crop

Planted: 5/28/2019

Harvested: 10/8/2019

Soil test to 6" in ppm: P=26 ppm; K=301 ppm; OM=1.8%; pH=5.9

Soil type: Williams-Bowbells loam.

Soil test to 24" in lb/a: N=106 lb/a

Applied fertilizers in lb/a: N=36; P₂O₅=26; K₂O=0.[†] Oil adjusted to 10% moisture.¹DAP = Days after planting.