

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

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)	
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	-	-
Camaro II	Nuseed	Clearfield	Nusun	67	131	44	42.9	32.49	1052	1782	1856
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	-	-
N4HM354	Nuseed	Clearfield	Nusun	70	130	46	42.3	32.59	1002	1743	1868
Falcon	Nuseed	Express	Nusun	70	131	45	42.3	32.37	987	1765	1803
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.