

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Sunflowers-Clearfield Dryland Variety Trial - NDSU

WREC, Williston, ND 2020

Variety	Origin	Hybrid Type	Oil Type	Days to Flowering (DAP)	Plant height (in)	Oil (%)	Test weight (lb/bu)	Yield		
								2020 (lb/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
12G25CL	Proseed	CL	High Oleic	71	44.3	37.8	28.4	1785	-	-
SF440	S&W Seed Company	CL	High Oleic	74	40.5	37.0	25.8	1537	-	-
H49HO19CL	Dyna-Gro	CL	High Oleic	72	40.2	37.7	26.0	1496	1395	-
Camaro II	NuSeed	CL	Nusun	73	42.5	37.7	28.4	1455	1253	1673
H44HO12CL	Dyna-Gro	CL	High Oleic	69	40.9	36.6	26.9	1443	1391	-
H42HO18CL	Dyna-Gro	CL	High Oleic	71	38.7	37.4	27.1	1325	1066	-
SF110	S&W Seed Company	CL	High Oleic	72	35.3	37.3	27.1	1263	-	-
E-50016	Proseed	CL	High Oleic	72	42.1	36.3	28.1	1253	-	-
H45NS16CL	Dyna-Gro	CL	Nusun	71	38.8	37.3	27.5	1196	1296	-
N4H422 CL	NuSeed	CL	High Oleic	73	46.7	36.6	26.7	1186	-	-
N4H470 CL Plus	NuSeed	CL	High Oleic	73	42.7	36.8	26.1	1025	1227	1537
Mean				71	40.8	37.1	27.2	1367	-	-
CV (%)				1.8	7.1	3.7	2.1	19.5	-	-
LSD (5%)				1.9	4.1	2.0	0.8	383.6	-	-
LSD (10%)				1.5	3.5	1.6	0.7	319.1	-	-

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

Previous crop: wheat

Planted: 05/28/2020

Harvested: 10/05/2020

Soil test to 6" in ppm: P = 22; K = 264; OM =1.9%, pH = 5.6

Soil type: Williams-Bowbells loam.

Soil test to 24" in lb N=10 lb/a

DAP = Days after planting.

Applied fertilizers ir N=130; P=20; K=0; S=40

Herbicide Application: Valor @ 3 oz/a (10/21/19); PowerMax @ 32 oz/a (6/2/20); Assure II @ 12 oz/a (7/6/2020)