

Sunflowers-Express 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 (lb/a)	3-Yr Avg (lb/a)
Falcon	NuSeed	Express	Nusun	74	43.1	43.1	27.6	1153	1070.4	1561.0
N4H302 E	NuSeed	Express	High Oleic	72	42.5	40.2	25.8	1312	1225.1	1196.0
CP455E	Croplan	Express	High Oleic	72	43.7	39.4	26.0	2012	1500.2	-
CP450E	Croplan	Express	High Oleic	73	43.5	40.2	26.4	1730	1459.4	-
E-91 E	Proseed	Express	Nusun	75	55.6	41.1	27.4	1617	1239.3	-
H45HO10EX	Dyna-Gro	Express	High Oleic	71	44.4	39.8	25.6	1426	1055.9	-
E-93 E	Proseed	Express	Nusun	73	54.2	40.3	24.7	1816	-	-
Mean				72	46.8	40.9	26.4	1636	-	-
CV (%)				1.0	6.9	2.1	2.3	19.9	-	-
LSD (5%)				1.0	4.7	1.3	0.9	474.8	-	-
LSD (10%)				0.8	3.9	1.1	0.7	393.6	-	-

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/a: N=10 lb/a

DAP = Days after planting.

Applied fertilizers in lb/a: 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)