

**NDSU Langdon Research Extension Center
2024 Oil Sunflower Trial**

Oil Sunflower - 2024

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Brand	Hybrid	Hybrid Type ¹	Days to Flower (DAP) ²	Days to PM (DAP) ²	Plant Height (inch)	Oil (%)	Test Weight (lb/bu)	Harvest Moist. %	Yield	
									2024 ----- (lb/a)	2-yr Avg.
Croplan	CP4255E	HO,EX,DMR	73	131	65.0	43.5	34.2	17.2	2146	2416
Croplan	CP4475E	HO,EX,DMR	74	128	69.1	44.3	33.1	13.0	2500	2634
Croplan	CP455E	HO,EX,DMR	76	127	59.1	43.1	33.1	14.0	2629	2619
Croplan	CP5238CL	HO,CL	78	130	64.6	46.8	31.0	19.1	2687	--
Croplan	CP5249CL	HO,CL,DMR	74	125	58.5	47.7	31.1	11.1	2148	2134
Croplan	CP7919CL	HO,CL,DMR	77	129	57.1	44.1	31.6	17.6	2346	--
DynaGro	H45HO10EX	HO,EX	76	125	66.1	44.5	29.6	11.3	2462	2263
DynaGro	H45NS16CL	NS,CL,DMR	73	126	54.6	44.3	33.7	13.3	2185	2232
DynaGro	H47HO11EX	HO,EX,DMR	77	130	67.1	44.2	35.4	17.8	2205	2338
DynaGro	H49HO19CL	HO,CL,DMR	78	128	58.5	45.3	30.2	18.1	2777	2863
DynaGro	H50HO20CP	HO,CP,DMR	78	127	63.1	48.0	30.8	13.3	2473	2251
LIDEA	LS002	HO,EX,DMR	72	126	65.4	42.6	33.0	13.1	2135	--
LIDEA	LS003	HO,EX	78	127	68.3	39.0	30.2	18.0	1449	--
LIDEA	LS004	HO,EX	77	128	75.5	39.7	30.9	15.7	1433	--
LIDEA	LS005	HO,EX	77	127	64.9	44.3	34.2	12.7	2532	--
LIDEA	LS007	HO,EX	78	127	68.7	43.3	32.7	15.2	2004	--
Nuseed	N4H205 E	HO,EX,DMR	76	123	61.0	45.8	28.9	11.2	2199	--
Nuseed	N4H422 CL	HO,CL,DMR	76	128	64.2	44.9	32.3	14.1	2715	2596
Nuseed	N4H470 CLP	HO,CP,DMR	76	127	64.3	48.3	31.9	13.6	2332	2152

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Brand	Hybrid	Hybrid Type ¹	Days to Flower (DAP) ²	Days to PM (DAP) ²	Plant Height (inch)	Oil (%)	Test Weight (lb/bu)	Harvest Moist. %	Yield	
									2024	2-yr Avg.
Nuseed	N4H490 E	HO,EX,DMR	78	128	64.7	45.9	32.5	14.6	2777	2716
Pioneer	P63HE920	HO,EX,DMR	78	130	71.0	43.9	34.6	16.0	2483	2355
Pioneer	P64HE188	HO,EX,DMR	78	131	61.9	43.8	32.8	19.0	2104	--
Proseed	2508 CP	HO,CP,DMR	77	128	74.0	42.0	32.4	14.8	2308	--
Proseed	2534 E	HO,EX,DMR	78	128	61.5	47.2	32.6	15.6	2597	--
Proseed	2591 CP	HO,CP,DMR	77	127	65.7	49.9	32.2	13.4	2641	--
Proseed	50068 CL	HO,CL,DMR	76	128	62.9	45.2	31.7	15.3	2249	2245
Proseed	E-2446 E	HO,EX,DMR	78	127	67.7	40.2	32.0	15.9	2093	2184
Sunrich	4415 HO/DMR/CLP	HO,CP,DMR	77	127	64.1	42.9	31.4	14.0	2580	2349
Sunrich	4425CL	MO,CL,CON	74	129	65.9	38.8	32.6	14.5	2203	2305
Check ³	USDA 894	Trad.	73	125	64.8	45.3	31.4	11.6	2073	2294
Trial Mean			76.9	127.2	65.4	43.6	32.0	15.1	2236	
C.V. %			1.0	1.2	4.9	3.4	2.7	10.9	14.0	
LSD 10%			1.1	2.1	4.3	2.0	1.2	2.2	424	

Planting Date: May 30; Harvest Date: October 25; Previous Crop: Wheat; Soil Type: Svea-Barnes Loam

¹Type: HO = High Oleic, NS = NuSun, MO = Mid Oleic, Trad = Traditional(linoleic), CL = Clearfield, EX= ExpressSun, CP = Clearfield plus, DMR = Downy Mildew Resistant, CON=ConOil

²Days after planting, ³Long-term hybrid check

Days after planting maturity checks: Honeycomb NS=123, 8N270CLDM=124, 559CL=126