

**NDSU Langdon Research Extension Center
2023 Oil Sunflower Trial**

Oil Sunflower - 2023

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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	
									2023 -----lb/a-----	2-yr Avg.
CROPLAN	CP4255E	HO,EX,DMR	67	115	46	45.3	33.2	10.0	2687	--
CROPLAN	CP432E	NS,EX,DMR	66	112	41	45.2	33.5	10.1	2248	2618
CROPLAN	CP455E	HO,EX,DMR	68	112	47	46.3	32.2	9.8	2609	2712
CROPLAN	CP5045CL	NS, CL, DMR	70	112	40	47.1	33.7	9.2	2339	--
CROPLAN	CP5249CL	HO,CL	70	110	37	49.6	33.8	8.0	2120	--
CROPLAN	CP4475E	HO,EX	67	113	46	48.3	32.0	8.3	2768	--
Dyna-Gro	H42HO18CL	HO,CL	68	114	40	46.0	34.0	9.4	2624	2637
Dyna-Gro	H45HO10EX	HO,EX	68	113	41	45.1	32.9	9.0	2064	2250
Dyna-Gro	H45NS16CL	CL,NS	69	110	43	48.2	34.3	8.3	2279	2662
Dyna-Gro	H47HO11EX	HO,EX	70	116	47	44.4	34.2	11.4	2472	2503
Dyna-Gro	H49HO19CL	HO, CL	71	112	39	46.5	33.1	9.7	2950	2842
Dyna-Gro	H50HO20CP	HO,CP	71	117	42	51.0	34.3	9.3	2029	2281
Nuseed	Badger DMR	NS,CL,DMR,CON	66	110	45	39.9	32.7	9.2	2421	--
Nuseed	Falcon	NS,EX	71	114	39	47.0	34.3	9.3	2226	2388
Nuseed	Hornet	HO,CL,DMR	71	112	39	46.8	33.2	11.0	2264	--
Nuseed	N4H422 CL	HO,CL,DMR	70	114	42	45.9	35.6	10.9	2478	2599
Nuseed	N4H470 CLP	HO,CP,DMR	71	115	42	49.0	34.5	8.8	1971	2190
Nuseed	N4H521 CL	HO,CL,DMR	71	116	41	46.2	32.3	11.1	2431	--
Pioneer	P63HE501	HO,EX,DMR	68	112	42	43.6	33.6	8.4	2662	2336
Pioneer	P63HE920	HO,EX,DMR	68	113	46	44.0	33.6	10.8	2226	2422
Pioneer	P64ME01	MO,EX,DMR	70	115	45	42.9	32.1	11.3	2382	--

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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	
									2023	2-yr Avg.
Proseed	50068 CL	HO,CL,DMR	70	116	43	45.8	34.7	11.2	2240	--
Proseed	50502 CL	HO,CL,DMR	72	115	39	49.1	33.8	9.4	1805	--
Proseed	E-91 E	HO,EX,DMR	71	116	47	47.1	34.9	10.0	2080	2351
Proseed	E-93 E	HO,EX,DMR	71	112	47	44.5	32.2	9.4	2438	--
Proseed	E-94 CP	HO,CP,DMR	70	116	50	46.0	33.9	10.2	2378	--
Proseed	2446 E	HO,EX,DMR	75	114	48	45.7	30.1	9.8	2274	2274
Sunrich	4415	HO,CP,DMR	70	114	43	43.0	32.5	10.7	2117	2384
Sunrich	4425CL	MO,CL,CON	67	113	46	42.4	33.3	9.5	2407	2588
USDA ³	894	Trad.	67	110	45	45.4	32.1	8.4	2515	2656
Trial Mean			69	113	44	45.7	33.2	9.6	2374	--
C.V. %			1.2	1.4	6.9	3.5	2.0	8.9	11.9	--
LSD 5%			1.4	2.7	5.1	2.7	1.1	1.4	617	--
LSD 10%			1.2	2.2	4.2	2.2	0.9	1.2	--	--

Planting Date: May 23; Harvest Date: October 17; 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=104, 8N270CLDM=109, Falcon=114, 559CL=111