

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

Oil Sunflower - 2023

Langdon (Page 1-2)

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (DAP) ³	Days to PM (DAP) ³	Plant Height (inch)	Oil (%)	Test Weight (lb/bu)	Harvest Moist. %	Yield	
										2023	2-yr Avg.
CROPLAN	CP4255E	HO,EX,DMR	CA	66.5	115	46.1	45.3	33.2	10.0	2687	--
CROPLAN	CP432E	NS,EX,DMR	CA	65.8	112	41.0	45.2	33.5	10.1	2248	2618
CROPLAN	CP455E	HO,EX,DMR	CA	67.5	112	46.6	46.3	32.2	9.8	2609	2712
CROPLAN	CP5045CL	NS, CL, DMR	CA	70.0	112	39.5	47.1	33.7	9.2	2339	--
CROPLAN	CP5249CL	HO,CL	CA	69.6	110	36.8	49.6	33.8	8.0	2120	--
CROPLAN	CP4475E	HO,EX	CA	67.3	113	45.6	48.3	32.0	8.3	2768	--
Dyna-Gro	H42HO18CL	HO,CL	CA	67.9	114	39.9	46.0	34.0	9.4	2624	2637
Dyna-Gro	H45HO10EX	HO,EX	CA	68.0	113	41.2	45.1	32.9	9.0	2064	2250
Dyna-Gro	H45NS16CL	CL,NS	CA	68.7	110	43.3	48.2	34.3	8.3	2279	2662
Dyna-Gro	H47HO11EX	HO,EX	CA	69.9	116	47.2	44.4	34.2	11.4	2472	2503
Dyna-Gro	H49HO19CL	HO,CL	CA	71.0	112	38.6	46.5	33.1	9.7	2950	2842
Dyna-Gro	H50HO20CP	HO,CP	CA	70.7	117	41.7	51.0	34.3	9.3	2029	2281
Nuseed	Badger DMR	NS,CL,DMR,CON	CA	66.1	110	44.8	39.9	32.7	9.2	2421	--
Nuseed	Falcon	NS,EX	CA	70.7	114	38.9	47.0	34.3	9.3	2226	2388
Nuseed	Hornet	HO,CL,DMR	CA	71.4	112	39.2	46.8	33.2	11.0	2264	--
Nuseed	N4H202 E	HO,EX,DMR	Exp	71.0	112	39.4	46.5	32.5	9.1	2625	--
Nuseed	N4H422 CL	HO,CL,DMR	CA	69.7	114	42.4	45.9	35.6	10.9	2478	2599
Nuseed	N4H470 CLP	HO,CP,DMR	CA	71.0	115	42.1	49.0	34.5	8.8	1971	2190
Nuseed	N4H490 E	HO,EX,DMR	Exp	70.8	111	40.4	47.0	33.6	9.3	2655	--
Nuseed	N4H521 CL	HO,CL,DMR	CA	71.4	116	40.9	46.2	32.3	11.1	2431	--
Nuseed	N4L215 E	MO,EX,DMR	Exp	69.8	110	38.5	47.1	31.5	8.5	2230	--
Nuseed	N5H493 CL	HO,CL,DMR	Exp	70.1	112	41.1	36.3	31.3	10.5	2507	--
Pioneer	P63HE501	HO,EX,DMR	CA	68.2	112	41.9	43.6	33.6	8.4	2662	2336
Pioneer	P63HE920	HO,EX,DMR	CA	68.5	113	45.8	44.0	33.6	10.8	2226	2422
Pioneer	P64ME01	MO,EX,DMR	CA	70.0	115	44.8	42.9	32.1	11.3	2382	--

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										2023	2-yr Avg.
Proseed	50068 CL	HO,CL,DMR	CA	69.7	116	42.8	45.8	34.7	11.2	2240	--
Proseed	50502 CL	HO,CL,DMR	CA	72.0	115	39.1	49.1	33.8	9.4	1805	--
Proseed	E-91 E	HO,EX,DMR	CA	71.0	116	47.1	47.1	34.9	10.0	2080	2351
Proseed	E-93 E	HO,EX,DMR	CA	70.7	112	47.1	44.5	32.2	9.4	2438	--
Proseed	E-94 CP	HO,CP,DMR	CA	69.9	116	50.1	46.0	33.9	10.2	2378	--
Proseed	EXP 109L-E	HO,EX,DMR	Exp	67.2	110	48.8	45.3	33.1	8.5	2419	--
Proseed	2446 E	HO,EX,DMR	CA	74.5	114	48.1	45.7	30.1	9.8	2274	2274
RAGT Semences	AC2101	HO,CP,DMR	Exp	68.7	114	47.5	45.4	30.9	8.8	2710	2597
RAGT Semences	AC2201	HO,CL,DMR	Exp	69.9	116	45.8	45.1	34.8	11.9	2256	2526
RAGT Semences	AC2202	HO,CL,DMR	Exp	70.6	116	48.4	46.6	35.0	9.8	2050	--
Sunrich	4415 HO/DM/CLP	HO,CP,DMR	CA	69.6	114	42.5	43.0	32.5	10.7	2117	2384
Sunrich	4425CL	MO,CL,CON	CA	67.3	113	46.5	42.4	33.3	9.5	2407	2588
Thunder	TEX2301SF	HO,EX	Exp	68.2	109	46.0	45.5	33.3	8.7	2485	--
Thunder	TEX2302SF	HO,EX	Exp	70.3	112	48.7	45.4	32.8	9.7	2297	--
Thunder	TEX2303SF	HO,EX	Exp	73.1	110	47.7	42.8	30.3	9.6	2117	--
Thunder	TEX2304SF	HO,EX	Exp	71.4	116	49.8	45.2	34.9	10.5	2392	--
USDA ⁴	894	Trad.		66.8	110	45.0	45.4	32.1	8.4	2515	2656
Trial Mean				69.4	113	43.7	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	3	5.1	2.7	1.1	1.4	617	--
LSD 10%				1.2	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

²Status: CA-Commercially available, Exp-Experimental, ³Days after planting, ⁴Long-term hybrid check
Days after planting maturity checks: Honeycomb NS=104, 8N270CLDM=109, Falcon=114, 559CL=111