

**NDSU Langdon Research Extension Center
2017 Oil Sunflower Trial**

Oil Sunflower - 2017 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (DAP) ⁴	Days to Mature (DAP) ⁴	Plant Height (inch)	Oil (%)	Test Weight (lb/bu)	Harvest Moist. %	Seed Yield				
										2015	2016	2017	2-yr Avg.	3-yr Avg.
Croplan	3732	NS	CA	82	127	66	46.9	32.4	15	--	--	3507	--	--
Croplan	3845 HO	HO	CA	81	126	67	49.3	32.9	16	--	--	3209	--	--
Croplan	545 CL	CL, NS, DMR	CA	82	126	65	46.3	32.5	27	3405	3465	3365	3415	3412
Croplan	549 CL	CL, NS, DMR	CA	77	122	70	47.9	35.4	11	3038	2880	3778	3329	3232
Croplan	7717 CL HO	CL, HO, DMR	CA	80	124	66	45.9	33.6	16	--	--	3134	--	--
Croplan	7919 CL HO	CL,HO, DMR	CA	82	128	68	49.4	30.2	25	--	--	3843	--	--
Croplan	432 E	EX,NS, DMR	CA	77	123	66	41.9	35.2	14	3426	2449	3193	2821	3023
Croplan	455 E HO	EX, HO, DMR	CA	80	127	69	47.1	32.4	15	--	3356	3801	3578	--
Croplan	458 E HO	EX, HO, DMR	CA	80	125	66	45.2	32.5	16	2831	2988	2640	2814	2820
Croplan	568 CL HO	CL, HO, DMR	CA	85	130	65	47.2	29.3	25	--	--	3403	--	--
Croplan	450 E HO	EX, HO, DMR	CA	82	126	67	47.9	34.2	20	--	--	3394	--	--
Pioneer	P63HE60	EX, HO, DMR	CA	78	123	67	46.5	34.7	11	--	2704	3006	2855	--
Pioneer	P63HE90	EX, HO, DMR	CA	81	127	73	46.7	32.3	17	--	3476	3281	3379	--
Pioneer	P64ME01	EX, NS, DMR	CA	82	127	68	43.6	32.9	26	--	--	3095	--	--
NuSeed	N4HE302	EX, HO,	CA	80	124	66	45.0	30.6	17	--	--	3082	--	--
NuSeed	Cobalt II	CL, HO, DMR	CA	79	124	64	45.8	34.5	15	2968	3083	2934	3008	2995
NuSeed	Talon	EX, NS	CA	78	123	64	45.5	29.9	12	3287	3483	3647	3565	3472
NuSeed	N4HM354	CL, NS, DMR	CA	77	121	64	47.5	36.1	12	--	3508	3066	3287	--
NuSeed	Falcon	EX, NS	CA	82	126	64	44.4	33.2	20	3082	3038	2888	2963	3003
NuSeed	Camaro II	CL, NS, DMR	CA	81	124	66	45.0	32.6	18	3360	3068	3457	3263	3295
NuSeed	N5LM307 ³	CL, NS, DMR	CA	77	121	63	40.4	31.2	19	--	2745	2964	2855	--
NuSeed	Badger DMR ³	CL, NS, DMR	CA	77	123	72	36.3	33.4	12	2762	3799	3728	3763	3430
NuTech	63C4 CL	CL, NS, DMR	CA	77	122	65	46.0	35.8	13	--	3191	3111	3151	--
NuTech	68H7	EX, HO, DMR	CA	82	127	74	42.9	35.3	27	2837	3439	2505	2972	2927
NuTech	69M2	EX, NS, DMR	CA	83	128	74	46.3	32.5	16	--	--	3512	--	--

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										2015	2016	2017	2-yr Avg.	3-yr Avg.
Proseed	E-21 CL	CL, NS, DMR	CA	81	125	74	38.3	31.0	23	--	--	2488	--	--
Proseed	E-31 CL	CL, NS, DMR	CA	82	125	71	44.2	31.5	15	2656	2665	2940	2803	2754
Proseed	E-362436	NS, DMR	CA	81	124	75	45.1	35.5	15	--	--	2954	--	--
Proseed	12G25	CL, NS	CA	81	125	63	48.1	33.7	20	--	3487	3364	3425	--
Proseed	E-50016 CL	CL	CA	82	126	69	46.7	31.5	15	--	--	3425	--	--
Proseed	E-71 CL	CL, NS	CA	81	125	68	41.0	30.6	16	--	--	2859	--	--
Proseed	E-72	NS	CA	82	126	75	45.0	32.2	14	--	--	2841	--	--
Proseed	E-73 CL	CL, NS	CA	81	126	72	40.7	30.0	16	--	--	3118	--	--
Thunder	12N92	CL, NS, DMR	CA	77	122	64	48.5	34.8	11	--	--	3131	--	--
Thunder	11N94	NS, DMR	CA	81	125	68	45.2	32.8	23	--	--	3308	--	--
Thunder	35H92	HO, DMR	CA	78	123	64	46.6	35.0	11	--	--	2967	--	--
Thunder	42H94	HO, DMR	CA	83	125	69	47.7	30.3	18	--	--	3784	--	--
USDA	894	Trad	CK	78	125	61	44.9	33.9	13	2700	2263	2841	2552	2601
Trial Mean				80	125	67	45.3	32.9	17	2984	3114	3177	--	--
C.V. %				0.8	0.8	3.3	3.0	2.4	15.7	10.2	10.2	9.9	--	--
LSD 5%				1.1	1.6	3.7	2.2	1.3	4.3	496	528	514	--	--
LSD 10%				0.9	1.3	3.1	1.8	1.1	3.6	415	441	430	--	--

¹Type: HO = High Oleic, NS = NuSun, Trad = Traditional(linoleic), CL = Clearfield, EX= ExpressSun, DMR = Downy Mildew Resistant

²Status: CA-Commercially available, Exp-Experimental, CK-Long term hybrid check

³Conoil

⁴Days after planting

Oil and yield were adjusted to 10% moisture.

Planting Date: May 18

Harvest Date: October 18