

**NDSU Langdon Research Extension Center
2015 Oil Sunflower Trial**

Oil Sunflower - 2015 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (DAP) ⁴	Days to PM (DAP) ⁴	Plant Height (inch)	Stem Lodging 0-9	Oil (%)	Test Weight (lb/bu)	Harvest Moist. %	Seed Yield				
											2013	2014	2015	2-yr Avg.	3-yr Avg.
Croplan	545 CL	CL, NS, DMR	CA	76	118	66	0.0	NA ³	33.1	16.1	3700	2625	3405	3015	3243
Croplan	549 CL HO	CL, HO, DMR	CA	71	113	73	0.0		32.5	12.5	--	--	3038	--	--
Croplan	553 CL HO	CL, HO, DMR	CA	76	117	68	0.7		31.5	13.8	--	--	3087	--	--
Croplan	458 E HO	EX, HO, DMR	CA	74	116	68	0.4		31.0	13.0	--	2303	2831	2567	--
Croplan	EXP 15-129	CL, HO	Exp	73	114	72	0.4		33.4	13.5	--	--	2800	--	--
Croplan	EXP 15-117	CL, HO	Exp	75	115	69	0.0		32.7	14.3	--	--	2789	--	--
Croplan	EXP 15-118	CL, HO	Exp	74	114	67	0.0		33.3	13.7	--	--	2548	--	--
Croplan	EXP 15-187	CL, HO	Exp	77	119	69	1.0		32.9	13.6	--	--	2914	--	--
Croplan	EXP 15-050	CL, HO	Exp	75	116	75	0.0		33.5	12.8	--	--	2732	--	--
Croplan	432E	EX, NS, DMR	CA	70	114	69	0.3		32.2	11.8	3827	2822	3426	3124	3358
Genosys	12G04	Trad, HO	CA	75	117	68	1.0		32.1	12.1	--	--	3019	--	--
Genosys	12G20	CL, HO	CA	73	115	68	1.0		31.2	11.7	3812	2679	3064	2872	3185
Genosys	12G25	CL, HO	CA	74	116	68	0.6		34.2	13.3	--	2664	3286	2975	--
Genosys	12G28	Trad, HO	CA	75	116	71	0.3		31.8	13.5	--	--	2789	--	--
NuSeed	Talon	EX, NS	CA	72	114	68	2.0		29.6	12.5	--	2619	3287	2953	--
NuSeed	Cobalt II	CL, HO, DMR	CA	73	118	66	0.0		33.6	12.7	3127	2656	2968	2812	2917
NuSeed	Camaro II	CL, NS, DMR	CA	74	117	66	1.3		33.9	13.8	3841	2956	3360	3158	3386
NuSeed	Hornet	CL, HO, DMR	CA	76	118	67	1.3		31.8	14.0	3532	2305	3736	3020	3191
NuSeed	Falcon	EX, NS	CA	75	117	66	0.0		34.6	13.7	2984	2475	3082	2778	2847
NuSeed	Badger DMR	CL, NS, DMR	CA	71	113	69	0.0		30.0	12.4	--	3005	2762	2884	--
NuSeed	NHK12M054	CL, HO, DMR	Exp	71	116	67	0.0		34.5	12.0	--	--	2947	--	--
NuSeed	NSK12M507	CL, NS	Exp	70	117	64	0.0		29.8	14.2	--	--	2768	--	--
NuSeed	NHK12M055	CL, HO, DMR	Exp	71	116	65	0.4		34.5	12.1	--	--	3276	--	--
NuTech Seed	68H7	EX, HO, DMR	CA	74	118	73	0.1		34.2	14.1	--	3117	2837	2977	--
NuTech Seed	69M2	EX, NS, DMR	CA	75	119	68	0.7		31.2	13.2	--	3071	3402	3236	--
Proseed	E-85 CL	CL, HO, DMR	CA	74	116	73	2.3		29.5	12.6	3618	2341	2640	2491	2866
Proseed	E-31 CL	CL, HO, DMR	CA	74	115	69	0.6		30.2	12.6	3540	2770	2656	2713	2989
Proseed	E-21 CL	CL, HO, DMR	CA	74	117	70	1.0		31.8	14.3	3230	2684	2848	2766	2921

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											2013	2014	2015	2-yr Avg.	3-yr Avg.
Proseed	E-362436	Trad, HO, DMR	CA	72	114	72	2.3	NA ³	31.7	12.7	4070	2787	2608	2697	3155
Proseed	E-31051 CL	CL, HO, DMR	CA	74	117	72	0.0		32.7	13.6	--	--	2594	--	--
Proseed	E-1402 CL	CL, HO, DMR	CA	75	116	69	0.3		30.7	12.7	--	--	2828	--	--
Proseed	E-53051 CL	CL, HO, DMR	CA	70	114	69	0.0		32.2	13.3	--	--	2779	--	--
Proseed	E-79051	Trad, HO, DMR	CA	75	117	69	0.7		30.6	13.2	--	--	3105	--	--
SunOpta	4415 HO/CL/DM	CL, HO, DMR	CA	74	118	70	0.0		31.1	14.1	--	--	2930	--	--
SunOpta	4421 CL	CL, HO	CA	75	117	71	0.0		29.5	15.0	--	--	2686	--	--
Syngenta	7111 HO/CL/DM	CL, HO, DMR	CA	70	115	63	0.0		33.0	12.1	3059	2399	2896	2648	2785
Syngenta	SY7717	CL, HO, DMR	CA	72	116	66	0.0		31.4	12.4	--	2607	3278	2942	--
Syngenta	3845 HO	Trad, HO	CA	74	117	66	0.3		33.2	12.1	--	--	3260	--	--
Syngenta	3495 NS/CL/DM	CL, NS, DMR	CA	75	116	67	1.0		33.6	11.5	--	2661	2842	2752	--
Thunder	35H92	CL, HO, DMR	CA	72	117	65	0.0		33.6	13.0	--	--	2758	--	--
Thunder	42H94	CL, HO, DMR	CA	76	118	68	1.3		31.1	13.0	--	--	3379	--	--
Thunder	11N94	CL, NS, DMR	CA	74	117	67	0.3		34.4	12.8	--	--	3091	--	--
USDA	894	Trad	CK	71	112	61	3.3		30.9	12.1	3343	2500	2700	2600	--
Trial Mean				74	116	68	0.5		32.2	13.1	3479	2667	2984	--	--
C.V. %				1.0	0.9	2.9	65.6		1.9	5.8	9.0	9.7	10.2	--	--
LSD 5%				1.1	1.8	3.2	1.4		1.0	1.3	516	425	496	--	--
LSD 10%				1.0	1.5	2.7	1.2		0.8	1.1	430	354	415	--	--

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

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

NA³ - Oils not yet available

⁴Days after planting

Oil, harvest yield and test weight were adjusted to 10% moisture.

Planting Date: May 21

Harvest Date: October 16

Maturity Checks: Days to flower; Honeycomb=63, 8N270=68, Falcon=75, 559CL=76