

**NDSU Langdon Research Extension Center
2014 Oil Sunflower Trial**

Oil Sunflower - 2014 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (days)	Plant Height (inch)	Oil ³ (%)	Test Weight (lb/bu)	Harvest Moist. %	Yield				
									@ 10% moisture			Average	
									2012	2013	2014	2yr	3yr
Croplan	432 E	NS,EX,DMR	CA	73	54	42.4	29.9	13.3	2184	3827	2822	3325	2944
Croplan	559 CL	NS,CL,DMR	CA	77	59	44.5	28.2	19.7	1769	3736	2198	2967	2568
Croplan	545 CL	NS,CL,DMR	CA	79	57	42.3	28.2	26.8	--	3700	2625	3162	--
Croplan	13-652 CL	HO,CL,DMR	Exp	79	57	41.9	25.6	24.4	--	--	1999	--	--
Croplan	458 E HO	HO,EX,DMR	Exp	75	56	42.1	27.9	19.4	--	--	2303	--	--
Croplan	14-572	HO,CL,DMR	Exp	73	57	44.2	30.5	13.0	--	--	2780	--	--
Genosys	12E06	HO,DMR	CA	75	61	41.3	32.2	12.9	--	3714	2993	3354	--
Genosys	12E12	HO,CL,DMR	CA	75	62	38.7	31.8	18.8	1421	3243	2528	2885	2397
Genosys	12E13	HO,CL,DMR	CA	75	57	39.4	29.0	13.0	1989	3577	2971	3274	2846
Genosys	12E14	HO,CL,DMR	CA	76	62	39.5	27.4	15.7	1521	3437	2657	3047	2538
Genosys	11G08	NS	CA	76	60	42.1	31.5	11.1	1642	3268	2510	2889	2473
Genosys	12G20	HO,CL	CA	77	57	41.4	28.2	15.0	--	3812	2679	3245	--
Genosys	12G25	HO,CL	CA	76	57	41.3	29.1	21.9	--	--	2664	--	--
Mycogen	8D310CL	NS,CL	CA	75	63	36.6	25.6	14.8	--	3775	2794	3285	--
Mycogen	8N358CLDM	NS,CL	CA	74	54	44.9	29.9	19.2	1522	3308	2626	2967	2485
NuSeed	Falcon	NS,EX	CA	76	53	43.8	30.1	13.6	1626	2984	2475	2729	2362
NuSeed	Camaro II	NS,CL,DMR	CA	76	58	42.4	31.2	19.3	2160	3841	2956	3398	2986
NuSeed	Talon	NS,EX	CA	73	52	42.0	29.3	15.2	--	--	2619	--	--
NuSeed	Cobalt II	HO,CL,DMR	CA	74	54	41.0	30.3	18.9	1918	3127	2656	2891	2567
NuSeed	Hornet	HO,CL,DMR	CA	79	55	41.3	25.7	26.0	--	3532	2305	2919	--
NuSeed	Badger	Trad,CL	CA	74	57	39.4	28.7	11.0	--	--	2630	--	--
NuSeed	Badger DMR	Trad,CL,DMR	CA	71	56	38.5	30.9	12.3	--	--	3005	--	--
NuSeed	Badger HO	HO,CL,DMR	CA	70	59	39.4	29.2	8.7	--	--	3228	--	--
NuTech	68H7	HO,EX,DMR	CA	75	61	41.8	32.9	20.4	--	--	3117	--	--
NuTech	69M2	Trad,EX,DMR	CA	78	62	42.1	29.2	17.5	--	--	3071	--	--

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									@ 10% moisture			Average	
									2012	2013	2014	2yr	3yr
									------(lbs/a)-----				
Proseed	E-362436	HO,DMR	CA	76	61	40.3	31.4	15.3	1989	4070	2787	3428	2949
Proseed	E-85 CL	HO,CL,DMR	CA	76	65	39.2	26.2	16.9	--	3618	2341	2980	--
Proseed	E-21 CL	HO,CL,DMR	CA	75	57	38.6	31.8	19.5	1512	3230	2684	2957	2475
Proseed	E-31 CL	NS,CL,DMR	CA	75	58	38.8	29.8	11.6	--	3540	2770	3155	--
Syngenta	7717 HO/CL/DM	HO,CL,DMR	CA	75	57	41.9	30.7	13.9	--	--	2607	--	--
Syngenta	7111 HO/CL/DM	HO,CL,DMR	CA	72	51	41.7	32.0	13.4	--	3059	2399	2729	--
Syngenta	3495 NS/CL/DM	NS,CL,DMR	CA	76	58	40.9	31.2	13.2	--	--	2661	--	--
Syngenta	NX34240	HO,CL,DMR	Exp	77	55	40.7	27.2	19.3	--	--	2275	--	--
UDSA	894	Trad	CK	73	56	41.5	29.4	11.2	1663	3443	2500	2972	2535
Trial Mean				75	58	41.2	29.6	16.4	1723	3479	2667	--	--
C.V. %				1.1	5.4	2.5	4.0	17.0	16.5	9.0	9.7	--	--
LSD 10%				1.1	4.2	1.4	1.6	3.8	386	430	354	--	--
LSD 5%				1.4	5.1	1.7	1.9	4.5	462	516	425	--	--

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

³Oils were adjusted to 10% moisture.

Planting Date: May 23

Harvest Date: October 16

Maturity Checks: Days to flower; 8N270=71.0, Falcon=76.0, 559CL=77.3