

**NDSU Langdon Research Extension Center
2013 Hybrid Trial**

Oil Sunflower - 2013 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower (days)	Plant Height (inch)	Oil ³ (%)	Test Weight (lb/bu)	Yield				
								@ 10% moisture			Average	
								2011	2012	2013	2yr	3yr
Croplan	432 E	NS,EX,DMR	CA	81	65	35.7	30.6	--	2184	3827	3006	--
Croplan	460 E	NS,EX,DMR	CA	88	75	40.9	30.6	1682	1836	3329	2582	2282
Croplan	548 CL	NS,CL,DMR	CA	86	72	37.3	30.6	1641	1377	3336	2356	2118
Croplan	559 CL	NS,CL,DMR	CA	88	75	40.0	30.9	1140	1769	3736	2752	2215
Croplan	545 CL	NS,CL,DMR	Exp	85	59	39.2	31.4	--	--	3700	--	--
Genosys	11G08	NS	CA	87	73	37.4	30.2	--	1642	3268	2455	--
Genosys	12G20	HO,CL	CA	85	68	37.1	28.1	--	--	3812	--	--
Genosys	12E06	HO,DMR	CA	84	79	35.7	31.9	--	--	3714	--	--
Genosys	12E12	HO,DMR	CA	84	76	32.6	28.8	--	1421	3243	2332	--
Genosys	12E13	HO,CL,DMR	CA	87	72	34.3	29.4	--	1989	3577	2783	--
Genosys	12E14	HO,CL,DMR	CA	88	79	33.4	27.7	--	1521	3437	2479	--
Mycogen	8N270CLDM	NS,CL,DMR	CA	80	60	39.7	30.9	1975	1781	3190	2485	2315
Mycogen	8N358CLDM	NS,CL,DMR	CA	86	68	39.2	30.4	1723	1522	3308	2415	2184
Mycogen	8D310CL	NS,CL	CA	87	70	33.8	27.4	--	--	3775	--	--
Mycogen	8H288CLDM	HO,CL,DMR	CA	83	65	41.5	30.0	1512	1518	3362	2440	2131
NuSeed/Seeds 2000	Falcon	NS,EX	CA	87	61	40.6	31.8	1279	1626	2984	2305	1963
NuSeed/Seeds 2000	Camaro II	NS,CL,DMR	CA	85	69	36.9	32.9	--	2160	3841	3001	--
NuSeed/Seeds 2000	Cobalt II	HO,CL,DMR	CA	86	64	37.2	32.4	--	1918	3127	2522	--
NuSeed/Seeds 2000	NLK12S069	NS,Ex	Exp	86	69	34.9	26.3	--	--	3682	--	--
NuSeed/Seeds 2000	NLK12S070	NS,Ex	Exp	84	64	37.3	26.8	--	--	3869	--	--
NuSeed/Seeds 2000	Hornet	HO,CL,DMR	CA	88	68	39.1	30.2	--	--	3532	--	--

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								@ 10% moisture (lbs/a)			Average	
								2011	2012	2013	2yr	3yr
Proseed	E-85 CL	HO,CL,DMR	CA	87	78	34.4	28.1	--	--	3618	--	--
Proseed	E-21 CL	HO,CL,DMR	CA	85	73	33.5	29.2	--	1512	3230	2371	--
Proseed	E-31 CL	HO,CL,DMR	CA	87	74	36.0	29.6	--	--	3540	--	--
Proseed	E 362436	HO,DMR	CA	84	78	36.8	31.6	--	1989	4070	3029	--
Sunopta/Dalhgren	4421CL	HO,CL	CA	87	66	33.3	27.3	--	--	3646	--	--
Syngenta	3845 HO	NS	CA	87	65	38.3	30.6	1428	1455	2922	2188	1935
Syngenta	7111 HO/CL/DM	HO,CL,DMR	CA	81	55	38.2	30.8	--	--	3059	--	--
Syngenta	3733 NS/Dm	NS,DMR	CA	88	61	39.4	31.3	1768	1990	3190	2590	2316
USDA	894	Trad	CK	84	66	36.7	29.8	1288	1663	3443	2553	2131
Trial Mean				86	69	37.0	29.9	1768	1723	3479	--	--
C.V. %				1.2	5.7	2.8	1.9	15.6	16.5	9.0	--	--
LSD 10%				1.4	5.4	1.4	0.8	--	386	430	--	--
LSD 5%				1.7	6.5	1.7	0.9	449	462	516	--	--

¹Type: HO = High Oleic, NS = NuSun, Trad = Traditional, 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. Oil % of NuSun and Traditional hybrids were adjusted for oil type.

Planting Date: May 17

Harvest Date: October 21

Maturity Checks: Falcon, 8N270, 559CL