

**NDSU Langdon Research Extension Center
2012 Hybrid Trial Data**

Oil Sunflower - 2012 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower	Plant Height	Oil ³ (%)	Test Weight (lb/bu)	Yield				
								@ 10% moisture (lbs/a)			Average	
				(days)	(inch)			2010	2011	2012	2yr	3yr
Croplan	460 E	NS,EX	CA	79	69	49.6	31.1	1777	1682	1836	1759	1765
Croplan	432 E	NS,EX,DMR	CA	76	67	46.6	33.1	--	--	2184	--	--
Croplan	548 CL	NS,CL,DMR	CA	79	63	44.4	29.0	--	1641	1377	1509	--
Croplan	559 CL	NS,CL,DMR	CA	79	68	49.4	31.7	2397	1440	1769	1604	1869
Genosys	11G04	HO	CA	80	67	46.8	33.3	--	--	1407	--	--
Genosys	11G08	NS	CA	79	67	48.0	32.1	--	--	1642	--	--
Genosys	11G12	HO,CL	CA	79	66	47.1	35.0	--	--	1574	--	--
Genosys	11G13	NS,CL	CA	80	67	42.8	30.9	--	--	1674	--	--
Genosys	12E12	HO,CL	CA	79	73	42.0	29.7	--	--	1421	--	--
Genosys	12E13	HO,CL	CA	78	68	44.3	28.9	--	--	1989	--	--
Genosys	12E14	HO,CL	CA	80	71	46.1	27.9	--	--	1521	--	--
Mycogen	8N270CLDM	NS,CL,DMR	CA	76	66	48.3	31.6	2265	1975	1781	1878	2007
Mycogen	8N358CLDM	NS,CL,DMR	CA	78	62	49.3	31.0	1961	1723	1522	1623	1735
Mycogen	8H449CLDM	HO,CL,DMR	CA	80	63	48.7	32.6	--	--	1689	--	--
Mycogen	8H288CLDM	HO,CL,DMR	CA	77	66	47.5	31.4	2060	1512	1518	1515	1697
Mycogen	8D310	NS	CA	79	68	43.4	30.6	2100	1776	1577	1677	1818
Pioneer	P63ME70	NS,EX,DMR	CA	77	66	45.8	27.6	1889	1902	1997	1949	1929
Pioneer	P63ME80	NS,EX,DMR	CA	77	67	47.4	32.2	--	1754	1706	1730	--
Pioneer	P64HE01	HO,EX,DMR	CA	78	62	45.6	33.7	2139	1560	1454	1507	1718
Pioneer	P63HE60	HO,EX,DMR	CA	77	67	45.9	32.8	--	2125	1755	1940	--
Proseed	E-85	HO,DMR	CA	78	69	44.0	28.5	--	--	1577	--	--
Proseed	CL E-21	HO,CL,DMR	CA	80	71	43.4	29.5	--	--	1512	--	--
Proseed	CL E-23	Trad,CL,DMR	CA	81	74	48.6	33.4	--	--	1635	--	--
Proseed	CL 8001	NS,CL	CA	79	63	46.8	31.2	--	--	1821	--	--
Proseed	CL 7001	NS,CL	CA	80	69	47.8	30.8	--	--	1879	--	--
Proseed	E-362436	HO,DMR	CA	79	77	47.7	33.2	--	--	1989	--	--
Proseed	E-34 CL	Trad,CL,DMR	CA	77	70	49.0	28.7	--	--	1670	--	--

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower	Plant Height	Oil ³	Test Weight	Yield				
								@ 10% moisture			Average	
								2010	2011	2012	2yr	3yr
								------(lbs/a)-----				
Seeds 2000	Falcon	NS,EX	CA	80	66	48.8	32.1	--	1279	1626	1453	--
Seeds 2000	Camaro II	NS,CL,DMR	CA	79	66	50.0	31.9	--	--	2160	--	--
Seeds 2000	Cobalt II	HO,CL,DMR	CA	76	60	46.3	32.0	--	--	1918	--	--
Seeds 2000	Defender Plus	NS,DMR	CA	80	60	46.6	31.8	1948	1715	1620	1668	1761
SunOpta/Dahlgren	4421	NS	CA	79	64	43.4	31.2	--	--	1733	--	--
Syngenta	7120 HO/DM	HO,DMR	CA	77	62	45.9	31.4	1836	1513	1748	1630	1699
Syngenta	NX24121	HO,CL,DMR	Exp	74	61	44.3	33.1	--	--	1808	--	--
Syngenta	NX24122	HO,CL,DMR	Exp	80	65	44.8	29.4	--	--	1497	--	--
Syngenta	NX24123	HO,CL,DMR	Exp	78	64	47.6	29.8	--	--	1896	--	--
Syngenta	3495 NS/CL/DM	NS,CL,DMR	CA	80	69	47.4	31.7	--	2175	1997	2086	--
Syngenta	3158 NS/CL/DM	NS,CL,DMR	CA	79	58	47.6	32.8	--	--	1406	--	--
Syngenta	3990 NS/CL/DM	NS,CL,DMR	CA	80	65	50.0	31.9	--	2412	2137	2275	--
Syngenta	3733 NS/DM	NS,DMR	CA	79	67	46.6	30.5	--	1768	1990	1879	--
Syngenta	3733 NS/DM Pelleted	NS,DMR	CA	80	66	47.8	32.1	--	2168	1546	1857	--
Syngenta	3995 NS/SU	NS,EX,DMR	Exp	79	66	45.1	32.4	--	1258	1552	1405	--
Syngenta	3158 NS/CL/DM Pelleted	NS,CL,DMR	CA	78	61	47.0	32.3	--	--	1927	--	--
Syngenta	3845 HO	HO,DMR	CA	81	64	47.3	31.1	--	1428	1455	1442	--
USDA	894	Trad	CK	77	64	48.2	31.4	1948	1288	1663	1476	1633
Trial Mean				79	66	46.6	31.4	1934	1768	1723	--	--
C.V. %				1.6	5.4	2.4	3.0	17.9	15.6	16.5	--	--
LSD 10%				1.7	4.8	1.5	1.3	--	--	386	--	--
LSD 5%				2.0	5.7	1.8	1.6	562	449	462	--	--

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

NA=Information not provided.

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 16

Harvest Date: October 2

Maturity Checks: Falcon, 8N270, 559CL