

**NDSU Langdon Research Extension Center
2011 Hybrid Trial Data**

Oil Sunflower - 2011 (page 1)

Langdon

Brand	Hybrid	Hybrid Type ¹	Status ²	Days to Flower	Plant Height	Oil ³	Test Weight	Harvest Moist.	Yield				
									@ 10% moisture			Average	
									2009	2010	2111	2yr	3yr
									------(lbs/a)-----				
Croplan Genetics	442 E NS	NS,EX	CA	74	64	41.1	28.0	16.8	--	--	1694	--	--
Croplan Genetics	460 E NS	NS,EX	CA	75	72	41.0	28.4	17.0	1336	1777	1682	1730	1598
Croplan Genetics	548 CL DMR NS	NS,CL,DMR	EXP	71	64	38.9	28.6	9.9	--	--	1641	--	--
Croplan Genetics	559 CL DMR NS	NS,CL,DMR	CA	74	76	41.9	29.1	11.6	--	2397	1440	1918	
Dahlgren	DO-2012CL	HO,CL	CA	68	64	39.9	32.4	11.7	--	--	1664	--	--
Dahlgren	DO-4421CL	NS,CL	CA	68	68	35.4	30.2	11.4	1649	2304	1589	1947	1847
Elite Seeds	Pomar	Trad,DMR	CA	73	73	40.0	29.3	10.6	--	--	2040	--	--
Elite Seeds	Pacific	HO,DMR	CA	73	70	38.0	26.3	13.5	--	--	1931	--	--
Elite Seeds	Balistic	HO,DMR	EXP	72	72	35.6	28.0	17.6	--	--	1873	--	--
Elite Seeds	Ethic	HO	CA	74	76	39.7	28.8	11.0	--	--	1609	--	--
Genosys	8037	HO,CL,DMR	CA	75	72	36.8	31.2	13.0	--	1664	1531	1597	--
Genosys	9008	NS, DMR	CA	74	72	37.1	30.1	11.2	--	--	1829	--	--
Genosys	9319	NS, DMR	CA	75	69	40.3	30.3	11.9	--	--	1888	--	--
Integra	735 NSCLDM	NS,CL,DMR	CA	71	68	38.8	29.2	11.2	1124	1803	1654	1729	1527
Integra	IX09-95010 NSD	NS,CL,DMR	CA	75	66	40.4	28.4	16.0	729	1704	1651	1677	1361
Integra	IX10-94 NSSU	NS,EX,DMR	CA	74	67	38.6	28.1	12.0	--	1756	1542	1649	--
Mycogen Seeds	8N358CLDM	NS,CL,DMR	CA	72	68	41.6	28.3	14.1	1298	1961	1723	1842	1661
Mycogen Seeds	8N270CLDM	NS,CL,DMR	CA	69	66	41.2	31.4	11.9	1309	2265	1975	2120	1850
Mycogen Seeds	8D310	NS	CA	68	66	35.9	29.3	10.3	1678	2100	1776	1938	1851
Mycogen Seeds	8H288CLDM	HO,CL,DMR	CA	69	62	40.3	29.9	12.8	847	2060	1512	1786	1473
Pioneer	P63ME70	NS,EX,DMR	CA	72	69	41.2	26.6	13.1	--	1889	1902	1895	--
Pioneer	P63ME80	NS,EX,DMR	CA	70	71	43.2	30.9	9.8	--	--	1754	--	--
Pioneer	P64HE01	HO,EX,DMR	CA	72	69	38.4	31.8	10.3	--	2139	1560	1849	--
Pioneer	P63HE60	HO,EX,DMR	CA	72	71	39.8	30.1	12.7	--	--	2125	--	--
Proseed	E-10	NS	CA	76	72	37.0	24.5	16.1	--	--	1913	--	--
Proseed	E-14	NS	CA	73	69	38.9	32.0	11.9	--	--	1680	--	--
Proseed	E-21	NS,CL	CA	70	65	36.8	32.4	12.2	--	--	2118	--	--

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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	
									2009	2010	2111	2yr	3yr
									------(lbs/a)-----				
Proseed	E-22	NS,CL	CA	69	69	37.8	31.7	11.4	--	--	2349	--	--
Seeds 2000	Falcon	NS,EX	CA	73	71	40.8	31.1	13.3	--	--	1279	--	--
Seeds 2000	Camaro	NS,CL,DMR	CA	74	71	41.0	31.4	17.2	--	--	1790	--	--
Seeds 2000	Defender Plus	NS,DMR	CA	70	68	39.4	29.8	11.3	1158	1948	1715	1831	1607
Seeds 2000	Cobalt	HO,CL,DMR	CA	72	65	37.9	31.9	14.1	--	--	1827	--	--
Syngenta	3158 NS/CL/DM	NS,CL,DMR	EXP	72	62	39.6	30.8	10.4	--	--	1510	--	--
Syngenta	NX01162	NS, CL,DMR	EXP	72	65	37.6	29.1	13.3	--	--	1715	--	--
Syngenta	NX82758	NS,CL,DMR	EXP	71	64	42.7	29.4	13.3	--	--	1965	--	--
Syngenta	3480 NS/CL/DM	NS,CL,DMR	CA	74	68	41.0	29.2	11.2	891	1869	1756	1812	1505
Syngenta	3495 NS/CL/DM	NS,CL,DMR	CA	75	70	39.1	30.7	12.4	--	--	2175	--	--
Syngenta	3990 ND/CL/DM	NS,CL,DMR	CA	75	68	41.4	31.0	16.1	--	--	2412	--	--
Syngenta	3733 NS/DM	NS,DMR	CA	74	65	39.9	29.4	13.3	--	--	1768	--	--
Syngenta	3733 NS Coated	NS,DMR	EXP	77	66	38.5	29.2	14.1	--	--	2168	--	--
Syngenta	3995 ND/SU	NS,EX,	EXP	75	72	38.1	32.3	13.5	--	--	1258	--	--
Syngenta	4596 HO/DM	HO,DMR	CA	73	69	37.6	30.7	12.7	--	--	2048	--	--
Syngenta	3845 HO	HO	CA	73	62	38.5	30.2	11.5	--	--	1428	--	--
Syngenta	7120 HO/DM	HO	CA	71	63	38.8	30.1	11.4	877	1836	1513	1675	--
USDA	894	Trad	CK	70	66	38.7	30.0	10.9	986	1948	1288	1618	--
Trial Mean				73	68	39.4	29.7	13.0	1196	1934	1768	--	--
C.V. %				1.9	4.8	2.6	3.9	15.8	21.4	17.9	15.6	--	--
LSD 5%				2.2	5.3	1.7	1.9	3.3	417	562	449	--	--

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: June 2

Harvest Date: October 13

Maturity Checks: Days to Flower. Falcon-73, 8N270CLDM-69, 378HO-70