

**Oil Type Sunflower Variety Trial**

**North Central Research Extension Center—Minot**

Company/Brand	Hybrid	Herb. System	Oil Type	Days to Bloom	Days to Mature	Plant Height	Stem Lodging	Test Oil	Test Weight	Seed Yield				
										2010	2011	2012	Year	Year
				DAP*	DAP*	inches	%	%**	lbs/bu	-----		lbs/A**	-----	-----
Croplan Genetics	460 E	Express	NuSun	72	92	58	6	45.4	31.8	2529	1297	2428	1863	2085
Croplan Genetics	559 CL	Clearfield	NuSun	72	91	59	6	44.3	34.0	2926	2446	3040	2743	2804
Croplan Genetics	548 CL	Clearfield	NuSun	70	87	53	0	40.4	33.2	--	--	2132	--	--
Dahlgren/Sunopta	4421	Convent.	NuSun	66	92	61	1	34.3	28.4	--	--	1831	--	--
Dahlgren/Sunopta	4421CL	Clearfield	NuSun	68	91	60	0	34.7	26.5	--	--	2370	--	--
Genosys	11G04	Convent.	H. Oleic	74	91	63	3	38.2	28.2	--	--	1471	--	--
Genosys	11G08	Convent.	NuSun	72	92	58	3	43.0	33.8	--	--	2257	--	--
Genosys	11G12	Clearfield	H. Oleic	73	90	58	11	40.2	32.9	--	--	1709	--	--
Genosys	11G13	Clearfield	NuSun	73	91	63	3	40.0	33.2	--	--	2759	--	--
Genosys	12E12	Clearfield	H. Oleic	71	90	69	2	37.1	27.7	--	--	2070	--	--
Genosys	12E13	Clearfield	H. Oleic	71	90	65	0	37.4	30.6	--	--	2572	--	--
Genosys	12E14	Clearfield	H. Oleic	72	91	68	0	39.3	27.8	--	--	2978	--	--
Mycogen Seeds	8D310	Convent.	NuSun	70	92	60	1	36.2	29.7	2514	2388	1987	2187	2296
Mycogen Seeds	8D417	Convent.	NuSun	71	94	47	0	37.8	33.0	--	--	2566	--	--
Mycogen Seeds	8H288CLDM	Clearfield	H. Oleic	69	92	58	6	45.1	32.2	2763	1316	2504	1910	2194
Mycogen Seeds	8H449CLDM	Clearfield	H. Oleic	72	93	63	1	48.1	35.0	3066	1443	3548	2496	2686
Mycogen Seeds	8N270CLDM	Clearfield	NuSun	68	87	58	3	42.7	32.2	2462	1435	3040	2237	2312
Mycogen Seeds	8N358CLDM	Clearfield	NuSun	71	89	58	8	45.8	33.2	2709	1483	2998	2240	2397
Mycogen Seeds	8N421CLDM	Clearfield	NuSun	71	91	58	3	45.1	33.5	--	1779	3526	2652	--
Pioneer	P63ME80	Express	NuSun	70	93	59	3	41.3	32.0	--	--	2557	--	--
Pioneer	P63ME70	Express	NuSun	71	91	64	1	42.5	32.2	--	--	2668	--	--
Pioneer	P63HE60	Express	H. Oleic	70	91	58	3	39.4	32.2	--	--	2391	--	--
Pioneer	P64HE01	Express	H. Oleic	71	91	56	5	40.8	32.2	--	--	1716	--	--
Proseed	E 21CL	Clearfield	NuSun	72	91	66	0	38.6	30.0	--	1767	2086	1927	--
Proseed	E-23CL	Clearfield	NuSun	73	94	75	3	38.7	30.6	--	--	1763	--	--
Proseed	CL 7001	Clearfield	NuSun	72	93	61	2	39.7	30.3	--	--	3021	--	--
Proseed	CL 8001	Clearfield	NuSun	72	90	58	8	40.6	33.5	--	--	2528	--	--
Proseed	E-85CL	Clearfield	H. Oleic	73	92	66	3	39.7	30.9	--	--	2626	--	--
Proseed	E-34	Convent.	H. Oleic	71	93	68	3	38.4	29.4	--	--	1984	--	--
Proseed	E-362436			70	91	67	3	40.3	33.9	--	--	2647	--	--

**Oil Type Sunflower Variety Trial Cont.**

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										2010	2011	2012	Year	
				DAP*	DAP*	inches	%	%**	lbs/bu	----- lbs/A** -----				
Seeds 2000	Badger DMR	Clearfield	Oleic	69	91	67	0	33.4	30.9	--	2222	3048	2635	--
Seeds 2000	Camaro II	Clearfield	NuSun	72	89	60	1	41.3	32.8	--	--	3063	--	--
Seeds 2000	Torino	Clearfield	NuSun	73	92	60	5	42.5	32.8	--	1947	3020	2483	--
Seeds 2000	Cobalt II	Clearfield	H. Oleic	70	90	52	1	40.7	31.3	--	--	1930	--	--
Seeds 2000	Daytona	Clearfield	H. Oleic	72	93	52	3	42.4	31.3	--	--	2459	--	--
Seeds 2000	X5870	Express	NuSun	72	93	65	1	38.1	29.6	--	--	2427	--	--
Seeds 2000	X6814	Clearfield	H. Oleic	69	89	61	6	40.0	33.1	--	--	3127	--	--
Seeds 2000	Falcon	Express	NuSun	71	91	55	0	40.8	31.7	--	1890	2460	2175	--
Syngenta	NX24121	Clearfield	H. Oleic	65	89	55	1	37.2	31.7	--	--	1768	--	--
Syngenta	NX24122	Clearfield	H. Oleic	72	93	62	0	39.2	29.5	--	--	3414	--	--
Syngenta	NX24123	Clearfield	H. Oleic	72	92	61	1	40.9	28.4	--	--	2859	--	--
Syngenta	3158 NS/CL/DM	Clearfield	NuSun	71	93	56	13	43.3	32.4	--	1930	2536	2233	--
Syngenta	3495 NS/CL/DM	Clearfield	NuSun	73	88	67	9	41.2	35.4	--	2067	2696	2381	--
Syngenta	3990 NS/CL/DM	Clearfield	NuSun	72	91	62	4	40.5	32.4	--	1670	2710	2190	--
Syngenta	3733 NS/DM	Convent.	NuSun	72	94	60	11	43.4	34.9	--	2125	2886	2505	--
Syngenta	3733 NS/DM Pelleted	Convent.	NuSun	72	94	60	8	44.8	34.7	--	--	3000	--	--
Syngenta	3995 NS/SU	Express	NuSun	72	92	60	3	40.0	31.5	--	--	3160	--	--
Syngenta	3158 NS/CL/DM Pelleted	Clearfield	NuSun	71	93	58	9	43.8	32.6	--	1942	3400	2671	--
Syngenta	7120 HO/DM	Convent.	H. Oleic	70	93	52	15	42.0	31.8	--	1930	1655	1793	--
Syngenta	3845 HO	Convent.	H. Oleic	71	93	56	9	45.4	34.1	--	--	2582	--	--
Trial Mean				71	91	60	4	40.7	31.7	2501	1577	2582	--	--
C.V.%				1.3	1.8	5.2	264	2.9	2.7	11.9	21.6	10.7	--	--
LSD 10%				1	2	8	7	1.4	1.0	399	343	321	--	--

\*DAP = Days after planting.

\*\*Oil content and seed yield are adjusted to 10% moisture.

Planting Date: May 22

Seeding Rate: 22,000 PLS/A

Row Spracing: 30"

Harvest Date: October 16

Previous Crop: summer fallow

Soil Type: Williams Loam