

Oil Type Sunflower Variety Trial—Minot

North Central Research Extension Center—Minot

Company/Brand	Hybrid	Herbicide System	Oil Type	Days to Bloom	Days to Mature	Plant Height	Oil %	Test Weight	Seed Yield					
				DAP*	DAP*				inches	lbs/bu	2011	2012	2013	Year
AgVenture Scherr	3H93DM	Clearfield	HO	64	110	66	41.2	26.3	--	--	2381	--	--	
AgVenture Scherr	3N94DM	Clearfield	NS	66	107	75	40.8	25.5	--	--	2468	--	--	
AgVenture Scherr	3H95	Clearfield	HO	68	109	63	40.8	24.6	--	--	2163	--	--	
Croplan	432 E	Express	NS	61	107	69	37.0	22.9	--	--	2091	--	--	
Croplan	460 E	Express	NS	66	109	73	45.0	25.1	1297	2428	2352	2390	2026	
Croplan	559 CL	Clearfield	NS	66	108	70	42.8	26.6	2446	3040	2483	2761	2656	
Croplan	548 CL	Clearfield	NS	66	106	74	43.9	24.8	--	2132	2454	2293	--	
Croplan	13-59 CL	Clearfield	NS	67	111	65	41.4	26.5	--	--	2396	--	--	
Genosys	12G20	Clearfield	HO	65	106	71	41.9	23.1	--	--	2744	--	--	
Genosys	12E12	Clearfield	HO	65	107	75	38.2	23.9	--	2070	2599	2335	--	
Genosys	12E13	Clearfield	HO	65	104	75	39.6	22.0	--	2572	1902	2237	--	
Genosys	12E14	Clearfield	HO	68	108	80	39.6	22.3	--	2978	2541	2760	--	
Genosys	11G08	Convent.	NS	66	104	82	43.6	28.0	--	2257	2904	2581	--	
Genosys	12E06	Convent.	HO	65	107	81	42.1	25.8	--	--	2715	--	--	
Mycogen Seeds	8N270CLDM	Clearfield	NS	61	104	63	42.8	24.3	1435	3040	1830	2435	2102	
Mycogen Seeds	8H288CLDM	Clearfield	HO	63	107	64	44.8	24.1	1316	2504	2134	2319	1985	
Mycogen Seeds	8N358CLDM	Clearfield	NS	66	106	65	43.7	24.1	1483	2998	2294	2646	2258	
Mycogen Seeds	8N421CLDM	Clearfield	NS	67	106	73	42.3	23.7	1779	3526	1946	2736	2417	
Mycogen Seeds	8H449CLDM	Clearfield	HO	68	108	67	45.5	24.8	1443	3548	1975	2761	2322	
Mycogen Seeds	8N310CL	Clearfield	NS	67	106	77	38.4	23.4	--	--	2599	--	--	
Mycogen Seeds	8D417	Convent.	NS	68	112	55	37.2	21.4	--	2566	1655	2111	--	
Nuseed/Seeds 2000	Camaro II	Clearfield	NS	66	109	70	42.8	26.1	--	3063	2280	2671	--	
Nuseed/Seeds 2000	Falcon	Express	NS	66	107	63	43.8	25.7	1890	2460	1960	2210	2103	
Nuseed/Seeds 2000	NLK12S069	Express	NS	66	106	72	45.2	23.9	--	--	2454	--	--	
Nuseed/Seeds 2000	NLK12S070	Express	NS	64	104	70	42.2	23.5	--	--	2033	--	--	
Nuseed/Seeds 2000	Torino	Clearfield	NS	69	110	70	42.3	25.8	1947	3020	1931	2476	2299	
Nuseed/Seeds 2000	Cobalt II	Clearfield	HO	67	108	66	42.3	25.3	--	1930	1844	1887	--	
Nuseed/Seeds 2000	Daytona	Clearfield	HO	67	111	63	42.6	24.6	--	2459	2236	2348	--	
Nuseed/Seeds 2000	NHK12M010	Clearfield	HO	68	110	71	42.7	23.5	--	--	2657	--	--	
Nuseed/Seeds 2000	NLK12M006	Clearfield	NS	66	107	67	41.2	25.5	--	--	2396	--	--	
Nuseed/Seeds 2000	NLK12M178	Clearfield	NS	68	110	71	39.2	23.4	--	--	2265	--	--	
Nuseed/Seeds 2000	NHK12M140	Clearfield	HO	68	110	71	42.1	21.9	--	--	2033	--	--	
Nuseed/Seeds 2000	NHK12M141	Clearfield	HO	69	105	77	41.4	23.4	--	--	2991	--	--	
Nutrisun	MS9024	Convent.	NS	69	107	76	42.3	24.6	--	--	2991	--	--	
Proseed	E-85 CL	Clearfield	HO	66	104	78	40.4	23.4	--	2626	2004	2315	--	
Proseed	E-21 CL	Clearfield	HO	65	108	78	39.8	23.1	1767	2086	2120	2103	1991	
Proseed	E-31 CL	Clearfield	HO	65	106	77	38.9	23.2	--	--	2222	--	--	
Proseed	E-362436	Convent.	HO	61	108	74	36.9	24.6	--	2647	2933	2790	--	
Sunopta/Dahlgren	4421	Convent.	NS	64	106	78	41.5	22.6	--	1831	2410	2121	--	
Sunopta/Dahlgren	4421CL	Clearfield	NS	66	106	72	38.9	23.3	--	2370	2614	2492	--	
USDA	Hybrid 894	Convent.		64	105	76	42.6	24.2	--	--	2396	--	--	
Trial Mean				66	107	71	41.5	24.2	1577	2582	2327	--	--	
C.V.%				1.9	1.9	6.8	5.8	5.1	21.6	10.7	9.5	--	--	
LSD 10%				2	2	6	2.8	1.4	343	321	259	--	--	

*DAP = Days after planting.

Planting Date: June 13

Seeding Rate: 24,000 PLS/A

Row Spracing: 30"

Previous Crop: 2010 & 2011 = summer fallow, 2012 = field pea

Harvest Date: November 12

Soil Type: Williams loam

Note: Oil content, test weight and seed yield are adjusted to 10% moisture.