

**North Central Research Extension Center—Minot 2008
Sunflower Variety Trial—Oilseed**

Company	Variety	Oil Type ¹	Herb. Type ²	DMR ³	Days	Days	Plant Height	Moisture	Lodge	Seed Weight	Test Weight	Oil ⁴	Yield				
					50% Flower	to Maturity							in	%	0-9 ⁶	g/1000	lb/bu
ADVANTA PACIFIC LLC	F30236NS,DM	NS	C	Y	DAP ⁵ 67	DAP ⁵ 98	40	8.1	1.3	56.6	29.6	42.8	1733	1541	1874	1707	1716
ADVANTA PACIFIC LLC	F51122NS,CL	NS	CL	N	71	99	55	9.1	0.0	55.7	31.0	43.1	--	1887	2575	2231	--
ADVANTA PACIFIC LLC	F51137NS,CL	NS	CL	N	72	102	55	11.6	0.5	51.4	31.9	44.6	--	--	2791	--	--
ADVANTA PACIFIC LLC	F51139NS,DM,CL	NS	CL	Y	73	99	59	9.8	1.5	53.7	34.3	44.7	--	--	2654	--	--
ADVANTA PACIFIC LLC	F51179NS,DM	NS	C	Y	71	103	52	14.5	2.0	49.9	33.2	44.6	--	1763	2156	1959	--
ADVANTA PACIFIC LLC	F51289NS,DM	NS	C	Y	68	98	43	8.4	3.5	58.4	31.6	42.9	--	1481	1283	1382	--
ADVANTA PACIFIC LLC	F51292NS,DM	NS	C	Y	74	106	53	16.3	0.0	55.8	31.7	45.4	--	--	2607	--	--
ADVANTA PACIFIC LLC	F51321NS,DM	NS	C	Y	70	102	48	14.4	0.5	45.0	30.7	41.0	2917	1781	2403	2092	2367
CROPLAN GENETICS	356	NS	C	N	74	106	54	13.9	1.0	53.1	32.7	44.7	2603	2277	3181	2729	2687
CROPLAN GENETICS	306 DMR	NS	C	Y	69	104	55	13.4	3.0	61.2	31.8	43.1	--	--	2040	--	--
CROPLAN GENETICS	3080 DMR	NS	C	Y	70	105	56	10.7	5.8	50.4	32.0	46.4	2276	2343	1687	2015	2102
CROPLAN GENETICS	325 DMR	NS	C	Y	72	102	50	14.9	0.0	63.7	30.9	42.0	--	--	2249	--	--
CROPLAN GENETICS	369 DMR	NS	C	Y	72	104	57	16.3	1.0	55.8	28.5	42.8	--	--	2659	--	--
CROPLAN GENETICS	528 CL DMR	NS	CL	Y	70	100	56	10.0	3.0	53.7	31.3	43.0	--	--	1618	--	--
CROPLAN GENETICS	551 CL	NS	CL	N	72	107	61	18.7	0.3	52.1	31.0	44.8	--	--	2508	--	--
CROPLAN GENETICS	564 CL	NS	CL	N	73	105	65	19.3	1.3	46.0	31.9	45.0	--	1675	2301	1988	--
CROPLAN GENETICS	803DMR	NS	C	Y	68	98	52	7.6	3.0	50.1	33.3	45.5	--	1571	1687	1629	--
Dahlgren	4455	NS	C	N	72	108	59	15.7	0.3	82.6	32.3	41.2	--	--	3132	--	--
Dahlgren	4500CL	NS	CL	N	72	101	58	12.5	0.5	46.1	32.4	45.9	--	--	2333	--	--
DEKALB	DKF29-30	NS	C	Y	69	100	54	9.1	3.0	48.9	31.1	45.2	--	1853	2327	2090	--
DEKALB	DKF34-33 NS/DM	NS	C	Y	73	103	52	9.1	2.3	53.3	32.7	48.1	--	2093	2195	2144	--
DEKALB	DKF34-80 CL	NS	CL	Y	71	103	50	9.8	0.5	46.7	30.9	44.3	--	1859	2138	1998	--
DEKALB	DKF37-31	NS	C	N	72	103	51	10.6	1.5	54.9	33.5	45.3	2445	2043	2573	2308	2354
DEKALB	DKF38-45	NS	C	N	72	103	50	1.6	0.0	56.9	32.3	45.6	--	1937	2537	2237	--
DEKALB	DKF39-80CL	NS	CL	N	75	109	66	19.4	0.5	51.0	32.2	40.6	--	--	2640	2640	--
DEKALB	IS6131	NS	C	Y	69	100	48	8.1	3.5	48.8	30.7	43.5	--	1787	1737	1762	--
DEKALB	IS7120	HO	C	Y	70	101	50	9.7	0.5	58.7	31.0	43.2	--	1681	1946	1813	--
Dyna-Gro	91H44	HO	C	Y	68	101	48	11.4	3.3	49.6	30.2	46.4	--	--	2025	--	--
Dyna-Gro	92N53	NS	C	Y	70	104	50	11.7	1.0	43.4	32.0	46.6	--	--	2291	--	--
Dyna-Gro	93H11	HO	C	N	70	102	58	12.5	0.0	44.9	30.8	46.2	--	--	2694	--	--
Dyna-Gro	94C38	NS	CL	N	75	108	67	22.4	0.0	57.4	31.7	41.7	--	--	2713	--	--
Dyna-Gro	94N82	NS	C	N	74	104	59	15.2	1.5	44.9	31.8	46.8	--	--	2463	--	--
Integra Seed	Int. 536 NSDM	NS	C	Y	69	106	53	15.1	0.8	54.9	30.7	41.5	2643	2211	2565	2388	2473
Integra Seed	Int.735 NSCLDM	NS	CL	Y	71	99	54	9.2	2.0	56.1	31.4	43.2	2387	1955	2709	2332	2350
Integra Seed	Int.737 NSCLDM	NS	CL	Y	74	108	67	22.3	0.0	57.7	31.2	41.5	--	1719	2761	2240	--
Integra Seed	IX0834NSDM	NS	C	Y	72	105	53	15.0	0.0	46.0	32.9	46.6	--	--	2247	--	--
Monsanto	MH7633	NS	C	Y	75	105	56	13.9	1.5	54.7	32.2	43.5	--	--	3159	--	--

Monsanto	MH6640	NS	C	Y	72	104	49	12.1	1.0	49.7	32.2	44.6	--	--	2519	--	--
Monsanto	MH7632	NS	C	Y	73	105	54	11.3	2.0	53.4	32.6	45.8	--	--	2741	--	--
Monsanto	MH6643	NS	C	Y	70	104	47	12.7	0.0	60.5	31.1	39.4	--	1691	2009	1850	--
Mycogen Seeds	8D310	NS	C	N	69	102	56	15.8	0.5	69.9	30.0	38.4	--	--	2441	--	--
Mycogen Seeds	8H288DM	HO	C	Y	68	101	54	11.2	4.3	44.3	33.3	47.0	2289	2067	2153	2110	2170
Mycogen Seeds	8H350DM	HO	C	Y	70	102	60	16.5	0.0	46.5	30.3	44.4	2030	1739	2097	1918	1955
Mycogen Seeds	8H449DM	HO	C	Y	72	105	56	20.5	0.0	44.9	33.7	46.3	--	--	3120	--	--
Mycogen Seeds	8N270	NS	C	N	66	101	45	10.6	0.8	58.1	31.7	42.6	1820	1695	2453	2074	1989
Mycogen Seeds	8N337DM	NS	C	Y	69	101	55	11.2	2.0	51.4	32.5	48.9	2136	1899	2649	2274	2228
Mycogen Seeds	8N358CLDM	NS	CL	Y	71	104	55	12.9	1.0	47.0	32.2	47.7	2555	1957	2087	2022	2200
Mycogen Seeds	8N453DM	NS	C	Y	71	105	53	14.2	0.8	46.7	33.2	49.5	--	--	3105	--	--
Pioneer	63M40	NS	C	Y	72	100	54	11.2	1.5	63.5	29.5	39.9	--	1983	2177	2080	--
Pioneer	63M91	NS	C	Y	71	104	57	12.8	0.5	56.7	33.3	45.3	--	--	2298	--	--
Pioneer	63N82	NS	E	Y	70	105	57	12.3	1.3	62.0	33.0	45.8	--	--	2600	--	--
Proseed	6007	NS	CL	N	73	102	62	11.8	0.5	55.0	34.3	44.7	--	--	2283	--	--
Proseed	6008	NS	CL	N	73	101	60	12.7	0.8	49.9	31.0	41.1	--	--	1833	--	--
Proseed	6481	NS	C	N	74	102	60	10.2	0.5	51.6	30.4	42.3	--	1897	1995	1946	--
Proseed	7016	NS	CL	N	78	104	67	15.3	1.0	46.5	31.7	40.0	--	--	1893	--	--
Proseed	7025	NS	CL	N	74	100	58	9.7	2.5	48.0	31.0	39.8	--	--	1787	--	--
Proseed	7052	NS	CL	N	73	99	67	11.2	0.8	48.8	34.0	46.3	--	--	2087	--	--
Proseed	7069	NS	CL	N	73	99	66	10.3	1.0	44.8	32.9	43.4	--	--	1343	--	--
Proseed	7207	NS	CL	N	73	102	63	12.5	1.0	54.8	33.1	42.2	--	--	1961	--	--
Proseed	E-5	NS	C	Y	75	106	56	15.6	1.3	52.9	30.0	38.1	2096	1489	2447	1968	2011
Proseed	E-6	NS	C	Y	74	105	58	15.6	0.5	65.8	28.9	38.2	--	--	2539	--	--
Proseed	E-7	NS	C	Y	72	106	62	14.1	1.8	58.9	30.5	42.4	--	--	2118	--	--
Proseed	E-85	HO	C	Y	71	100	63	11.8	1.3	56.8	29.9	40.5	1974	2201	1983	2092	2053
Proseed	EE-2	NS	C	N	72	99	63	9.9	1.5	55.7	30.2	36.9	--	2207	2276	2241	--
Seeds 2000	DEFENDER PLUS-NS-DMR	NS	C	Y	70	100	46	10.2	0.0	50.0	30.0	41.5	1793	1385	1823	1604	1667
Seeds 2000	TETON-HO-DMR	HO	C	Y	72	99	51	10.1	2.0	38.3	31.1	44.9	--	--	2144	--	--
Seeds 2000	VIPER CL-NS	NS	CL	N	72	101	55	9.7	1.3	43.0	31.4	43.8	2148	1705	2450	2077	2101
Seeds 2000	X4206-HO-DMR	HO	C	Y	70	99	47	9.0	1.5	42.6	30.1	44.9	--	--	1691	--	--
Triumph	s672	NS	C	N	74	105	42	20.1	0.0	38.9	31.8	48.3	2735	1745	2546	2145	2342
Triumph	s630CL	NS	C	N	72	106	56	12.8	0.5	53.4	32.7	45.8	--	--	2381	--	--
Triumph	TRXDM8247	NS	C	Y	70	99	54	8.2	1.3	51.5	32.8	44.9	--	--	2342	--	--
Triumph	TRXDM8340	NS	C	Y	70	105	53	13.8	0.0	53.0	31.6	46.2	--	--	2439	--	--
Triumph	TRXR8341	NS	C	N	72	105	58	19.3	0.0	55.5	30.6	45.0	--	--	2430	--	--
Triumph	TRXR8343	NS	C	N	72	101	58	10.2	0.0	56.3	32.7	44.8	--	--	2391	--	--
Triumph	TRXs7322	NS	C	Y	73	104	39	14.9	0.0	43.1	32.9	47.1	--	2007	2241	2124	--
Triumph	s671	NS	C	N	74	106	41	18.2	0.0	44.4	31.7	46.9	--	1821	2769	2295	--
Triumph	TRX7341	NS	C	Y	75	100	56	9.4	1.3	50.0	32.8	45.6	2444	1802	2005	1903	2084
LSD 5%	--	--	--	--	1	3	7	4.0	2.4	7.1	2.1	2.4	725	455	642	--	--
C.V.%	--	--	--	--	1.5	2.3	9.0	22.9	147.9	8.3	4.7	4.0	--	15.8	20.1	--	--
Mean	--	--	--	--	71	103	55	12.6	1.2	52.4	31.7	44.0	2214	1778	2304	--	--

¹ Oil Type: NS = NuSun, HO = high oleic.

² Herbicide Type: C = Conventional, CL = Clearfield, E = Express.

³ Downy Mildew Resistance: Y = yes, N = no. Downy mildew resistance information provided by company.

⁴ Oil % adjusted based on oil type.

Due to high CV % for seed yield value, caution should be taken in interpreting yield data for 2008. Additional data sites should be used for making decisions.