

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

Company/Brand	Variety	Oil Type <sup>1</sup>	Herb. Type <sup>2</sup>	DMR <sup>3</sup>	Days to Flower	Days to Maturity	Plant Height	Lodge	Harvest Moisture	Seed Weight	Test Weight	Oil <sup>4</sup>	Seed Yield				
													in	0-9 <sup>6</sup>	%	lb/1000	lb/bu
ADVANTA US INC	F51313NS,DM,CL	NS	CL	Y	DAP <sup>5</sup> 77	DAP <sup>5</sup> 133	52	1.5	12.0	42.5	29.3	40.3	--	--	1895	--	--
ADVANTA US INC	F51139NS,DM,CL	NS	CL	Y	76	131	56	2.5	10.7	55.2	32.6	41.9	--	2654	1866	2255	--
CHS Sunflower	08EXP01	Trad.	Conv.	N	77	134	51	3.3	12.7	88.7	24.4	37.1	--	--	2048	--	--
CROPLAN GENETICS	306 DMR NS	NS	C	Y	74	132	49	2.0	11.0	56.0	29.8	43.9	--	2040	1937	1989	--
CROPLAN GENETICS	3080 DMR NS	NS	C	Y	74	132	49	2.8	10.5	39.5	30.3	46.9	2343	1687	2030	1858	2020
CROPLAN GENETICS	356A NS	NS	C	N	77	133	46	3.3	12.7	55.4	32.1	43.7	2277	3181	2037	2609	2499
CROPLAN GENETICS	369 DMR NS	NS	C	Y	76	133	52	1.8	11.8	51.1	29.9	44.1	--	2659	2246	2452	--
CROPLAN GENETICS	460 E NS	NS	E	N	78	135	55	2.8	13.8	57.5	30.3	46.3	--	--	1893	--	--
CROPLAN GENETICS	555 CL DMR NS	NS	CL	Y	77	132	58	1.5	12.0	49.9	28.1	41.2	--	--	1962	--	--
Dahlgren & Company	4455	NS	C	N	77	136	54	2.5	12.6	76.2	31.9	41.4	--	3132	2594	2863	--
Syngenta	2930 NS/DM	NS	C	Y	75	130	49	3.5	8.5	51.0	29.1	44.1	1853	2327	1366	1846	1848
Syngenta	3433 NS/DM	NS	C	Y	76	132	47	4.5	9.3	54.5	33.0	45.0	2093	2195	1672	1933	1986
Syngenta	3731 NS	NS	C	N	76	134	48	3.5	10.5	57.1	32.0	44.3	2043	2573	2283	2428	2300
Syngenta	3732 NS	NS	C	N	77	134	48	1.3	12.0	52.7	32.1	45.3	--	--	2337	--	--
Syngenta	3845 HO	NS	C	N	77	135	49	3.0	10.8	51.8	32.1	44.2	1937	2537	2006	2271	2160
Syngenta	3875 NS	NS	C	N	79	135	50	4.0	13.1	54.7	31.8	42.4	--	--	2049	--	--
Syngenta	3480 NS/CL/DM	NS	CL	Y	76	133	45	1.3	10.7	54.5	29.8	43.5	1859	2138	1831	1984	1943
Syngenta	3980 NS/CL	NS	CL	N	77	135	56	2.0	15.1	52.4	30.8	41.1	--	2640	2265	2453	--
Syngenta	7120 HO/DM	HO	C	Y	74	132	45	5.3	11.3	53.6	30.5	41.3	1681	1946	1373	1660	1667
Syngenta	MH9001CL	NS	CL	N	81	136	52	1.5	21.9	46.8	31.4	42.3	--	--	1950	--	--
Syngenta	MH9002CL	NS	CL	N	78	132	52	2.3	11.6	56.7	33.0	41.6	--	--	1825	--	--
Integra Seed	735 NSCLDM	NS	CL	Y	76	132	50	1.0	9.8	58.6	30.1	42.3	1955	2709	2118	2414	2261
Integra Seed	IX09-85716 NSCLDM	NS	CL	Y	77	132	55	1.3	11.3	53.7	32.9	41.9	--	--	1841	--	--
Integra Seed	IX09-95010 NSDM	NS	C	Y	72	130	43	1.0	8.4	50.2	29.1	43.7	--	--	1865	--	--
Integra Seed	516 NSDM	NS	C	Y	76	136	48	2.0	20.2	54.1	31.4	44.9	--	--	1852	--	--
Mycogen Seeds	8D310	NS	C	N	75	134	57	2.0	14.5	80.2	26.6	38.4	--	--	2555	--	--
Mycogen Seeds	8D481	NS	C	N	77	136	53	2.5	13.1	80.1	30.3	41.0	--	--	2472	--	--
Mycogen Seeds	8H288CLDM	HO	CL	Y	74	134	45	1.8	12.6	44.5	31.5	44.3	2067	2153	1829	1991	2016
Mycogen Seeds	8H449DM	HO	C	Y	76	136	50	2.5	15.4	44.8	32.6	45.8	--	3120	2142	2631	--
Mycogen Seeds	8N270CLDM	NS	C	N	72	133	48	1.8	10.3	51.5	31.2	43.7	1695	2453	1835	2144	1994
Mycogen Seeds	8N358CLDM	NS	CL	Y	75	133	46	3.0	12.3	41.0	31.0	46.0	1957	2087	1992	2040	2012
Mycogen Seeds	8N433DM	NS	C	Y	77	134	50	3.0	14.4	45.8	30.9	46.9	--	--	2250	--	--

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Sunflower Variety Trial—Oilseed—Cont.

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													g/1000	lb/bu	%
Mycogen Seeds	8N453DM	NS	C	Y	77	DAP <sup>5</sup>	49	3.8	14.4	40.0	33.1	48.1	3105	2096	2600
Pioneer	63M91	NS	C	Y	74	134	52	1.3	11.9	55.8	32.8	44.8	2298	1989	2144
Pioneer	63N82	NS	E	Y	76	135	51	1.8	13.7	62.8	31.2	44.1	2600	2012	2306
PROSEED	6007	NS	CL	N	78	132	60	4.5	13.8	54.4	33.3	40.8	2283	1580	1932
PROSEED	7052	NS	CL	N	77	131	57	3.3	10.0	49.8	33.3	44.8	2087	2022	2055
PROSEED	7207	NS	CL	N	79	131	52	1.5	10.6	49.0	31.0	40.9	1961	1328	1645
PROSEED	7001 CL	NS	CL	N	78	136	53	1.3	16.7	54.0	30.4	41.6	--	2046	--
PROSEED	9001 CL	NS	CL	N	77	133	49	1.0	10.8	61.5	30.2	43.3	--	2139	--
PROSEED	E-4	NS	C	Y	76	133	53	2.0	11.2	58.1	29.1	42.4	--	1640	--
PROSEED	E-5	NS	C	Y	78	135	54	2.5	15.1	57.0	29.4	42.0	1489	2447	2067
PROSEED	E-6	NS	C	Y	81	136	58	3.3	16.1	57.4	28.6	41.3	--	2539	1959
PROSEED	E-8	NS	C	Y	77	136	57	4.0	12.1	55.2	30.2	43.8	--	2114	--
PROSEED	E-85	HO	C	Y	76	134	54	1.8	13.2	60.0	27.6	42.0	2201	1983	2015
Seeds 2000	Defender Plus	NS	C	Y	75	131	46	2.3	10.1	53.8	30.4	42.0	1385	1823	1802
Seeds 2000	Viper	NS	CL	N	78	134	49	1.0	9.9	35.8	29.3	42.7	1705	2450	1327
Seeds 2000	X5619	NS	E	N	77	132	46	1.5	11.6	53.1	28.0	43.7	--	2127	--
Triumph	630CL	NS	CL	N	77	136	53	3.8	13.9	54.7	29.9	43.6	--	2381	1857
Triumph	s671	NS	C	N	78	137	36	1.0	15.6	43.4	31.2	46.2	1821	2769	2012
Triumph	TRX8247	NS	C	Y	75	131	47	2.3	10.1	55.7	30.5	43.9	--	2342	1883
Triumph	TRX8330HO	HO	C	N	77	136	51	2.8	14.9	59.2	30.7	44.2	--	1790	--
Triumph	s655 (TRXs7322)	NS	C	Y	79	137	33	1.0	14.3	41.6	32.9	46.0	2007	2241	1627
LSD 5%	--	--	--	--	2	2	4	1.8	1.6	7.4	1.6	1.4	455	642	454
C.V.%	--	--	--	--	1.6	1.1	5.9	52.7	9.4	6.8	3.7	2.3	15.8	20.1	16.8
Mean	--	--	--	--	76	133	50	2.4	12.4	54.4	30.7	43.4	1778	2304	1934

Trial was planted on May 29 with a seeding rate of 22,000 PLS and harvested on November 4.

<sup>1</sup> Oil Type: NS = NuSun, HO = High Oleic.

<sup>2</sup> Herbicide Type: C = Conventional, CL = Clearfield, E = Express.

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

<sup>4</sup> Oil % adjusted based on oil type.

<sup>5</sup> DAP = Days after planting.

<sup>6</sup> Lodging score based on scale 0-9 (0 = upright, 9 = flat).