

Table . Oilseed sunflower hybrid trial, Miller, SD - 2008.

Brand	Hybrid	Type <sup>1</sup>	Seed Yield (lbs/A)			2008	Oil %	Plant Hght cm	Lodg %	Harv. Moist. %	Test Wt. lb/bu	Pop. 1000 p/A
			2008	2007	Avg.	Yield Rank						
Advanta Pacific LLC	F30008NS,CL	NS/CL	1859	--	--	48	45.9	184	3.3	13.0	30.9	17.4
Advanta Pacific LLC	F30294NS,Rust	NS	1904	--	--	44	46.6	169	2.1	14.2	31.1	17.4
Advanta Pacific LLC	F51132NS,CL	NS/CL	1796	--	--	51	48.2	171	2.9	13.3	30.5	17.4
Advanta Pacific LLC	F51137NS,CL	NS/CL	1587	--	--	60	47.4	160	0.8	13.5	31.0	17.4
Advanta Pacific LLC	F51139NS,DM,CL	NS/CL	1766	--	--	54	47.0	170	0.4	13.1	32.1	17.4
Croplan Genetics	CG 306 DMR NS	NS	1826	--	--	50	47.8	166	0.0	12.7	31.8	17.4
Croplan Genetics	CG 3080 DMR NS	NS	2028	--	--	33	49.8	164	2.1	12.5	30.9	17.4
Croplan Genetics	CG 325 DMR NS	NS	2041	--	--	31	48.3	173	0.8	13.1	31.4	17.4
Croplan Genetics	CG 356 NS	NS	2584	--	--	4	47.3	164	2.5	15.3	33.3	17.4
Croplan Genetics	CG 369 DMR NS	NS	2349	--	--	14	47.8	181	3.3	14.6	30.9	17.4
Croplan Genetics	CG 378 DMR NS	NS	2108	--	--	25	47.1	185	7.5	14.1	32.0	17.4
Croplan Genetics	CG 528 CL NS	NS/CL	1929	--	--	41	47.2	172	1.4	12.1	32.6	17.0
Croplan Genetics	CG 551 CL NS	NS/CL	2069	--	--	27	48.1	183	0.0	13.9	29.9	17.4
Croplan Genetics	CG 564 CL NS	NS	1948	--	--	38	49.2	182	1.7	14.3	32.2	17.4
Dahlgren & Co.	4421	NS	1937	2024	1981	39	45.4	173	2.9	12.5	30.4	17.4
Dahlgren & Co.	4455	NS	2060	1884	1972	28	46.2	173	3.3	12.5	31.5	17.4
Dahlgren & Co.	4370NS	NS	1895	--	--	45	47.2	163	0.5	12.9	32.2	17.0
Dahlgren & Co.	4500CL	NS/CL	2051	--	--	30	47.6	174	2.1	12.9	31.4	17.4
Dekalb	DKF 29-30	NS	2033	1234	1633	32	48.2	165	1.3	12.3	31.7	17.0
Dekalb	DKF 34-33	NS	2339	1190	1764	17	49.5	168	0.8	13.3	33.1	17.4
Dekalb	DKF 34-80CL	NS/CL	1534	1142	1338	62	48.1	168	3.5	12.8	32.7	16.7
Dekalb	DKF 37-31	NS	2346	2200	2273	15	48.9	168	2.1	13.9	32.9	17.4
Dekalb	DKF 38-45	NS	2460	1758	2109	10	49.2	174	2.1	13.5	31.8	17.4
Dekalb	DKF 3875	Trad.	2650	1841	2246	3	49.3	171	1.7	13.6	33.0	16.8
Dekalb	DKF 39-80CL	NS/CL	1646	--	--	58	45.8	186	5.8	12.8	31.4	17.4
Dekalb	IS 7120	HO	1615	2164	1890	59	47.6	158	1.9	12.8	31.3	17.0
King Seed Inc.	SunKing 4404 NSCL	NS/CL	2126	2272	2199	23	47.0	180	6.7	13.7	31.0	17.4
King Seed Inc.	SunKing 4505	Trad.	1833	1670	1751	49	48.7	184	1.7	12.2	31.2	17.4
Legend Seeds	LSF 318NCL	NS/CL	1551	--	--	61	46.0	160	1.3	12.6	32.4	17.4
Monsanto	MH6640	NS	2494	--	--	8	50.0	162	0.0	14.0	32.2	17.4
Monsanto	MH6643	NS	1881	--	--	46	48.3	167	2.9	13.0	31.6	17.4
Monsanto	MH7632	NS	2699	--	--	1	48.7	172	0.0	13.7	32.3	17.4
Monsanto	MH7633	NS	2483	--	--	9	47.2	172	2.5	13.1	31.8	17.4
Mycogen Seeds	8D481	NS	1981	--	--	36	45.7	172	2.9	13.0	31.2	17.4
Mycogen Seeds	8H449DM	HO	2556	2030	2293	5	50.5	182	2.9	15.6	32.4	17.4
Mycogen Seeds	8N187	NS	1424	--	--	64	45.8	162	4.2	12.7	30.5	17.4
Mycogen Seeds	8N270	NS	1779	--	--	53	48.2	157	0.4	12.9	31.3	17.4
Mycogen Seeds	8N358CL	NS/CL	1866	1869	1868	47	48.9	170	1.7	13.8	31.4	17.4
Mycogen Seeds	8N453DM	NS	2176	1855	2015	22	50.5	180	3.3	14.2	31.9	17.4
Mycogen Seeds	8N510	NS	2117	2205	2161	24	46.8	166	2.9	13.6	31.3	17.4
Pannar	Pan 7813	NS	2403	2686	2544	12	47.8	171	2.2	15.3	32.6	16.8
Pannar	Pan 7924	NS	2302	2217	2259	18	46.3	168	3.8	15.1	30.8	17.4
Pannar	Pan 7986	NS	1916	--	--	42	46.2	175	2.9	13.8	31.3	17.4
Pannar	Pan 9501	Trad.	1937	2027	1982	40	47.6	178	2.1	14.2	31.4	17.4
Pioneer Hi-Bred	Pioneer Brand 63M91	NS	1725	--	--	56	48.8	180	2.1	12.6	31.1	17.4
Pioneer Hi-Bred	Pioneer Brand 63N82	NS/SU	2194	--	--	21	48.0	164	0.4	14.1	32.6	17.2
Pioneer Hi-Bred	Pioneer Brand 64H41	HO	1717	--	--	57	47.0	193	3.3	14.2	32.6	17.4
Seeds 2000	Barracuda CL-NS	NS/CL	1910	1337	1623	43	46.6	176	0.8	15.4	31.3	17.4
Seeds 2000	Blazer CL-NS	NS/CL	2059	1994	2027	29	48.3	189	4.2	15.7	30.4	17.4
Seeds 2000	Firebird-Expsun-NS	NS/SU	2342	2265	2303	16	47.3	166	1.7	16.3	31.6	17.4

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			2008	2007	Avg.							
<b>Seeds 2000</b>	<b>Sierra HO</b>	<b>HO</b>	<b>2028</b>	<b>2076</b>	<b>2052</b>	<b>34</b>	<b>46.4</b>	<b>178</b>	<b>2.1</b>	<b>13.5</b>	<b>29.2</b>	<b>17.4</b>
Triumph Seed Co.	660CL	NS/CL	2195	2215	2205	20	47.8	175	1.7	14.8	31.8	17.4
Triumph Seed Co.	R859HOCL	HO/CL	2511	2089	2300	7	47.0	184	1.3	14.1	31.4	17.4
Triumph Seed Co.	s672	NS	2523	--	--	6	49.6	113	0.0	16.0	31.2	17.4
Triumph Seed Co.	s675	NS	2672	2323	2498	2	49.4	102	0.0	16.5	30.8	17.4
Triumph Seed Co.	s678	NS	2439	2443	2441	11	48.8	144	0.0	15.9	32.4	17.4
Triumph Seed Co.	630CL	NS/CL	1741	--	--	55	47.7	172	5.4	12.7	30.4	17.4
Triumph Seed Co.	TRXs5423	NS	1789	2343	2066	52	49.4	104	0.0	13.6	31.2	17.4
Triumph Seed Co.	TRXs7322	NS	2026	--	--	35	49.8	117	0.0	15.3	31.1	17.4
Triumph Seed Co.	s671	NS	2080	2345	2213	26	48.9	136	0.0	15.5	31.4	17.4
Triumph Seed Co.	s880CL	HO/CL	2280	2714	2497	19	48.0	98	0.4	14.0	31.0	17.4
Triumph Seed Co.	s878	HO	2372	2059	2215	13	48.9	149	0.8	16.3	32.4	17.4
Triumph Seed Co.	TRX7435HO	HO	1981	--	--	37	49.4	175	1.7	13.6	30.2	17.4
USDA	USDA 894 (check)	Trad.	1489	1606	1548	63	51.3	154	2.7	13.2	31.8	16.3
(CHS	08EXP01**		1543	--	--		39.8	181	5	--	24.0	16.5)
Grand Mean			2062	1879	2062		48.0	166	2.0	13.8	31.5	17.3
LSD 5%			402	502	317		1.2	9	3.5	0.9	1.4	0.5
C.V.			14.0	16.6	14.6		1.8	3.7	124.2	4.6	3.1	2.1

\*\*CHS 08EXP01 was mistakenly entered into the confection trial. The data presented are from that trial and are not included in the oilseed trial statistics.

<sup>1</sup>NS=NuSun, HO=High Oleic, Trad.=Traditional linoleic, CL=Clearfield, DM=downy mildew resistant, SU=Express-resistant.

Planted June 10, 2008. Harvested October 31, 2008.

Yield is reported at 10% moisture. Oil % is adjusted for oleic acid content.