

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

Brand	Hybrid	Seed Type ¹	Seed Yield lbs/A	Yield Rank	Oil %	Days to		Plant Hght cm	Lodg %	Harv. Moist. %	Test Wt. lb/bu	Pop. 1000 p/A	Hulling Quality
						Flwr	Mat.						
Advanta Pacific LLC	F30008NS,CL	NS/CL	1831	24	41.9	65	113	177	14.6	13.0	29.8	17.4	
Advanta Pacific LLC	F51137NS,CL	NS/CL	1495	56	42.9	64	106	157	2.1	11.9	29.8	17.4	
Advanta Pacific LLC	F51139NS,DM,CL	NS/CL	1625	44	45.1	63	106	168	2.1	12.7	29.8	17.4	
Croplan Genetics	CG 306 DMR NS	NS	1809	25	45.2	61	105	152	0.4	12.9	29.5	17.4	
Croplan Genetics	CG 3080 DMR NS	NS	1603	50	46.2	60	106	158	2.9	12.5	30.0	17.4	
Croplan Genetics	CG 325 DMR NS	NS	1845	23	44.7	62	101	171	1.3	12.3	29.3	17.4	
Croplan Genetics	CG 356 NS	NS	2176	1	44.7	63	104	161	2.1	13.7	30.3	17.4	
Croplan Genetics	CG 369 DMR NS	NS	1859	21	45.6	64	106	167	2.1	12.3	29.7	17.4	
Croplan Genetics	CG 378 DMR NS	NS	1400	59	44.4	63	99	178	10.4	13.3	28.8	17.4	
Croplan Genetics	CG 528 CL NS	NS/CL	1409	58	43.8	60	104	172	2.5	12.1	29.9	17.4	
Croplan Genetics	CG 551 CL NS	NS/CL	1510	55	44.2	64	103	170	2.1	12.9	29.6	17.4	
Croplan Genetics	CG 564 CL NS	NS	1706	35	45.3	66	107	172	0.8	13.2	30.3	17.4	
Dahlgren & Co.	4421	NS	1722	31	42.1	61	97	168	1.3	12.3	28.8	17.4	
Dahlgren & Co.	4455	NS	1991	10	42.0	64	102	165	2.1	13.0	29.4	17.4	
Dahlgren & Co.	4370NS	NS	1737	29	44.3	59	97	153	3.0	11.2	29.8	16.5	
Dahlgren & Co.	4500CL	NS/CL	1674	39	45.9	64	101	167	2.9	12.2	30.2	17.4	
Dekalb	DKF 29-30	NS	1684	38	44.9	60	95	165	1.3	12.2	30.3	17.4	
Dekalb	DKF 34-33	NS	1718	33	45.8	63	97	163	4.4	12.7	30.5	16.1	
Dekalb	DKF 34-80CL	NS/CL	1910	18	45.5	62	97	167	0.0	12.3	29.7	17.4	
Dekalb	DKF 37-31	NS	2002	9	43.7	63	101	167	1.3	12.9	29.6	17.4	
Dekalb	DKF 38-45	NS	1916	17	44.9	63	102	168	2.1	12.0	29.1	17.4	
Dekalb	DKF 3875	Trad.	2020	8	47.0	64	104	167	9.2	13.0	29.8	17.4	
Dekalb	DKF 39-80CL	NS/CL	1216	63	42.2	64	105	186	25.0	12.8	29.3	13.9	Excel
Dekalb	IS 7120	HO	1722	30	45.4	61	106	150	0.4	12.6	29.7	17.4	
Garst Seed Co.	4651NS	NS	1291	62	45.3	63	104	177	9.6	13.2	28.9	16.3	
Garst Seed Co.	NX43489	NS	1359	61	45.3	64	104	169	10.5	13.3	29.6	15.9	
Garst Seed Co.	NX44166	HO	1861	20	44.5	63	106	174	2.9	12.5	30.9	17.4	
King Seed Inc.	SunKing 4404 NSCL	NS/CL	1554	53	43.4	65	104	180	18.3	12.8	30.8	16.5	
King Seed Inc.	SunKing 4505	Trad.	1606	49	47.4	66	99	176	2.1	12.0	29.8	17.4	Excel
Legend Seeds	LSF 318NCL	NS/CL	1483	57	43.7	61	99	148	5.0	11.3	29.8	17.4	Excel
Monsanto	MH6640	NS	1617	46	45.3	62	107	159	2.5	12.8	30.5	17.4	
Monsanto	MH6643	NS	1611	47	44.2	61	104	157	0.7	13.2	28.9	15.7	
Monsanto	MH7632	NS	1907	19	45.8	65	104	164	0.4	13.5	31.2	17.4	
Monsanto	MH7633	NS	1853	22	45.3	65	112	170	30.0	12.4	30.8	17.4	
Mycogen Seeds	8D481	NS	2091	5	42.8	65	95	174	1.3	13.7	29.7	17.4	Excel
Mycogen Seeds	8H449DM	HO	1967	14	46.8	65	104	170	2.1	13.2	30.5	16.3	
Mycogen Seeds	8N187	NS	1619	45	44.1	62	104	151	1.3	12.4	29.6	17.4	Good
Mycogen Seeds	8N270	NS	1572	52	43.4	58	102	148	4.6	11.5	29.9	17.4	Good
Mycogen Seeds	8N358CL	NS/CL	1631	43	45.3	63	97	165	3.8	13.3	29.0	17.4	
Mycogen Seeds	8N453DM	NS	1973	12	48.3	63	104	167	1.3	13.4	31.3	17.4	
Mycogen Seeds	8N510	NS	2075	6	45.3	64	103	171	6.7	13.0	30.0	17.4	Excel
Pannar	Pan 7813	NS	1665	40	44.8	64	112	150	0.8	13.7	30.0	17.4	
Pannar	Pan 7924	NS	2113	3	44.7	64	106	167	5.8	13.8	29.3	17.4	
Pannar	Pan 7986	NS	1955	16	42.3	65	115	169	0.8	13.4	30.3	17.4	
Pannar	Pan 9501	Trad.	1609	48	42.9	66	110	171	7.9	12.8	29.6	17.4	
Pioneer Hi-Bred	Pioneer Brand 63M91	NS	1524	54	46.1	60	99	176	4.2	12.7	30.4	17.4	
Pioneer Hi-Bred	Pioneer Brand 63N82	NS/SU	1793	27	44.1	62	99	161	0.0	13.1	29.6	17.4	Excel
Pioneer Hi-Bred	Pioneer Brand 64H41	HO	1653	42	42.8	64	99	170	5.4	12.9	30.9	17.4	
Seeds 2000	Barracuda CL-NS	NS/CL	1972	13	45.3	66	104	169	1.7	13.7	30.6	17.4	
Seeds 2000	Blazer CL-NS	NS/CL	1701	36	44.3	67	102	175	6.3	13.6	30.9	17.4	
Seeds 2000	Firebird-Expsun-NS	NS/SU	2072	7	43.7	67	104	160	0.8	13.4	28.6	17.4	
Seeds 2000	Sierra HO	HO	1588	51	43.2	68	115	165	1.3	13.1	27.9	17.4	
Triumph Seed Co.	845HO	HO	2163	2	46.2	64	104	160	1.3	13.4	29.0	17.4	

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

Brand	Hybrid	Seed Type ¹	Seed		Oil %	Days to		Plant		Harv. Moist. %	Test Wt. lb/bu	Pop. 1000 pl/A	Hulling Quality
			Yield lbs/A	Yield Rank		Flwr	Mat.	Hght cm	Lodg %				
Triumph Seed Co.	s675	NS	1956	15	46.3	68	105	113	0.0	13.7	29.9	17.4	
Triumph Seed Co.	s678	NS	1985	11	46.1	67	115	141	1.3	13.5	29.6	17.4	
Triumph Seed Co.	630CL	NS/CL	1796	26	43.3	64	102	170	7.5	12.8	29.2	17.4	
Triumph Seed Co.	TRXs7322	NS	2101	4	46.2	66	113	116	0.0	12.7	30.3	17.4	
Triumph Seed Co.	s671	NS	1711	34	45.6	66	111	136	0.4	13.4	29.8	17.4	
Triumph Seed Co.	s880CL	HO/CL	1663	41	44.9	68	111	102	0.0	13.2	28.3	17.4	
Triumph Seed Co.	s878	HO	1758	28	46.9	66	115	143	2.1	12.1	31.2	17.4	
Triumph Seed Co.	TRXs8325	NS	1721	32	46.5	66	101	132	1.3	14.0	29.1	17.4	
USDA	USDA 894 (check)	Trad.	1693	37	47.0	62	100	152	2.9	12.0	30.2	17.4	
USDA	cms HA412/RHA 377(chk)	Trad.	1397	60	48.3	60	97	159	12.1	12.5	30.2	17.4	
Grand Mean			1750		44.8	64		161	4.2	12.8	29.8	17.2	
LSD 5%			389		1.4	1		9	8.4	1.0	1.3	1.4	
C.V.			16.0		2.2	1.0		3.9	143.9	5.3	3.1	5.7	

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

Planted June 12, 2008. Harvested November 2, 2008.

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

Hulling quality: Excel = $\geq 65\%$ of seed passes over a 14/64 screen; Good = $\geq 75\%$ of seed passes over a 13/64 screen.