

**2008 Oil Type Sunflower Variety Trial – Continuously Cropped, No-till Hettinger, N. Dakota**

Brand	Hybrid	Oil Type & Traits <sup>1</sup>	Days to Bloom	Days to Mature	Test Weight	Oil Content	Seed yield	
							2008	2-yr. avg.
							-----lb/a-----	
			(days)	(days)	(lb/bu)	%		
Croplan Genetics	528CL	NS, CL	83	126	28.5	44	710	1128
Croplan Genetics	325DMR	NS, DMR	83	128	26.9	43.2	994	--
Croplan Genetics	369DMR	NS, DMR	83	132	25.8	41.5	1259	--
Croplan Genetics	551CL	NS, CL	83	130	28.5	42.4	1115	--
Croplan Genetics	3080DMR	NS, DMR	80	127	29.4	40.1	1066	1192
Croplan Genetics	564CL	NS, CL	87	135	28.9	42.9	998	969
Croplan Genetics	803DMR	NS, DMR	78	124	25.1	43.6	779	976
Croplan Genetics	356	NS	87	134	29.4	41.7	1172	1436
Croplan Genetics	306DMR	NS, DMR	82	132	28.2	42.3	1157	--
Dekalb	DDF29-30	NS, DMR	77	124	27	43.2	726	862
Dekalb	DKF34-33	NS, DMR	88	129	30.5	41.1	980	1180
Dekalb	IS6131	NS, DMR	80	124	26.1	42.8	644	828
Dekalb	IS7120	HO, DMR	79	124	26.1	42.8	825	998
Dekalb	DKF39-80CL	NS, CL	86	134	30.3	40	1127	--
Dekalb	DKF34-80CL	NS, CL, DMR	82	129	31.9	45.2	1070	1166
Dekalb	DKF37-31	NS	83	133	29.8	43	1010	1078
Dekalb	DKF38-45	NS	83	128	30.2	44.7	1393	1515
DynaGro	92N53	NS	82	131	29	45.2	1094	--
DynaGro	91H44	HO	81	134	31.5	42.6	804	--
DynaGro	93H11	HO	80	126	30	42.7	998	--
DynaGro	94C38	NS, CL	88	133	27.8	41.7	1225	--
DynaGro	94N82	NS	88	137	27.2	43.5	1295	--
Integra Seed	536NSDM	NS, DMR	81	132	27.9	42.8	1000	1069
Integra Seed	IX0834NSDM	NS, DMR	84	132	33.3	43.4	858	--
Integra Seed	735NSCLDM	NS, CL, DMR	83	128	29.2	45	897	956
Integra Seed	737NSCLDM	NS, CL, DMR	86	137	27.3	45.6	1186	1289
Monsanto	MH7633	NS, DMR	86	131	29.6	41.8	1075	--
Monsanto	MH7632	NS, DMR	87	133	29.1	43.5	1061	--
Monsanto	MH6640	NS, DMR	84	127	29.9	42.2	1092	--
Monsanto	MH6643	NS, DMR	78	128	29.1	42	843	1278
Mycogen Seed	8H449DM	HO, DMR	86	136	29	42.2	1636	1770
Mycogen Seed	8H350DM	HO, DMR	82	128	28.8	43.4	1255	--
Mycogen Seed	8N453DM	NS, DMR	84	133	29.9	43.4	1639	1506
Mycogen Seed	8N337DM	NS, DMR	77	126	28.7	43.8	900	1066
Mycogen Seed	8N358CLDM	NS, CL, DMR	83	127	30.4	42.1	1494	1470
Mycogen Seed	8D481	NS	83	132	28.3	42.7	1655	--
Pioneer Hi-Bred	63M91	NS	78	132	29.9	42.9	1210	--
Pioneer Hi-Bred	63N82	NS, SU	82	134	29.2	43.4	1408	--
Proseed	6007	NS, CL	89	135	30.4	41.4	1038	--
Proseed	6008	NS, CL	88	133	28.2	41.3	1160	--
Proseed	6481	NS	84	128	29.5	41.8	871	1126
Proseed	7016	NS, CL	90	136	28.5	45.2	939	--
Proseed	7025	NS, CL	89	132	28.6	44	822	--
Proseed	7052	NS, CL	88	132	30.1	40.6	1223	--
Proseed	7069	NS, CL	88	134	29.9	44.3	885	--
Proseed	7207	NS, CL	88	132	28.6	43.6	903	--
Seeds 2000	Blazer	NS, CL	89	135	27	42.9	1207	1614
Seeds 2000	Barracuda	NS, CL	86	133	31	42.2	1203	1344
Seeds 2000	Sierra	HO	88	135	26.4	42	1577	1753
Seeds 2000	Firebird	NS, SU	88	136	28.4	40.7	1580	1614
Triumph seed	s678	NS, SS	89	138	28.4	45.9	1448	1644
Triumph seed	s878	HO, SS	88	137	28.4	41.5	1220	--
Triumph seed	s671	NS, SS	88	133	29.3	43.6	1683	--
Triumph seed	s7322	NS, SS, DMR	88	132	28.7	41	1403	--
Triumph seed	s672	NS, SS	84	132	29.3	42.2	1309	--
E. mat. check	Hysun 311		78	121	28.6	42.7	627	--
M. mat. check	Carg. 270		82	126	29.8	43	975	--

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			(days)	(days)	(lb/bu)	%	------(lb/a)-----	
L. mat. check	P6451		89	138	27.1	43.6	968	--
Oil check	USDA 894		83	132	28.7	43.6	834	--
Mean			84	131	28.9	42.8	1111	1263
CV %			1.3	1.3	3.4	4.4	8.5	--
LSD 0.05			1	2	1.4	2.6	131	--
LSD .01			2	3	1.9	3.4	173	--

<sup>1</sup> Oil Type: NS = NuSun, HO = high oleic. Traits: CL = Clearfield, DMR = downy mildew resistant,

SU = Express herbicide tolerant, SS = short stature.

<sup>2</sup>Days to Bloom and Days to Mature = the number of days from planting to 10% Bloom and seed maturity.

Planting Date: May 14, 2008. Harvest Date: October 8, 2008.

Seeding Rate: 21,000 seeds / acre, thinned to 18,650 plants /acre. Row Spacing 28 inch. Previous Crop HRSW.

Oil content and seed yields are based on 10% moisture. The 2008 trial sustained moderate late season moisture stress.