

Sunflower Hybrid Performance - 2008

Williston Research Extension Center

Brand	Hybrid ^a	Oil Type ^b	Days to Flower	Plant Height	Seed Moist. ^d	Harvest Pop.	Test Weight	Seed Oil ^c	Grain Yield				
									2006	2007	2008	2 yr avg ^e	3 yr avg
			fr	plntg	inches	%	plt/a	lbs/bu	%	-----lbs/ac-----			
Mycogen Seeds	8N270	NS	73.5	33.3	10.3	16538	31.8	41.9	1206	--	1012	1109	--
Mycogen Seeds	8N337DM	NS	73.5	40.0	12.3	19062	32.8	46.0	1168	--	1080	1124	--
Mycogen Seeds	8N358CLDM	NS	78.3	38.4	13.1	19228	32.5	46.0	1095	556	1075	1085	909
Mycogen Seeds	8H449DM	HO	78.8	37.8	23.0	18467	34.5	46.4	--	--	1342	--	--
Mycogen Seeds	8D310	NS	77.3	41.1	16.0	15989	29.7	39.1	--	--	1081	--	--
Monsanto	MH7633	NS	81.5	40.7	20.3	16631	33.5	40.3	--	--	1168	--	--
Monsanto	MH7632	NS	82.0	39.3	18.1	19477	34.1	42.6	--	--	1167	--	--
Monsanto	MH6643	NS	74.3	37.2	13.0	19435	31.5	43.7	--	648	1018	--	--
Monsanto	MH6640	NS	80.8	36.7	10.8	19353	33.0	42.4	--	--	1006	--	--
DeKalb	DKF29-30	NS	73.8	36.7	9.3	17437	31.1	43.5	--	494	1200	--	--
DeKalb	DKF34-33	NS	79.5	39.4	10.9	19774	34.7	44.1	--	545	921	--	--
DeKalb	IS6131	NS	74.8	35.0	8.6	17326	32.0	44.1	--	398	1089	--	--
DeKalb	IS7120	HO	75.3	37.1	10.1	15819	31.4	42.6	--	518	1286	--	--
DeKalb	DKF39-80CL	NS	82.0	41.3	17.0	18512	32.9	42.8	--	--	1081	--	--
DeKalb	DKF34-80CL	NS	80.0	39.0	13.0	15919	31.2	42.2	--	628	1081	--	--
DeKalb	DKF37-31	NS	80.8	38.4	14.1	16464	34.8	43.4	--	522	1179	--	--
DeKalb	DKF38-45	NS	80.5	41.4	16.6	16256	33.7	44.1	--	503	1175	--	--
Dyna-Gro	92N53	NS	74.5	37.1	11.4	18897	33.1	46.2	--	--	1111	--	--
Dyna-Gro	91H44	HO	72.5	35.4	11.0	16199	32.9	45.1	--	--	1107	--	--
Dyna-Gro	93H11	HO	75.8	40.2	12.1	19233	32.0	45.2	--	--	1030	--	--
Dyna-Gro	93H89 CL	NS	73.8	41.9	16.5	17610	32.3	43.9	--	--	1137	--	--
Dyna-Gro	93H26	NS	81.3	37.6	17.3	16483	34.6	45.2	--	--	1274	--	--
Croplan Genetics	528CLDMRNS	NS	80.8	39.9	9.9	15879	32.6	40.8	--	531	765	--	--
Croplan Genetics	551CLNS	NS	80.8	43.6	18.5	16951	31.1	44.5	--	--	1057	--	--
Croplan Genetics	356NS	NS	81.3	39.1	23.7	18501	33.8	42.4	--	575	1233	--	--
Croplan Genetics	564CLNS	NS	81.3	40.4	21.7	17106	34.9	45.5	--	790	1161	--	--
Croplan Genetics	306DMRNS	NS	74.5	35.9	9.2	19242	31.2	43.5	--	--	1283	--	--
Croplan Genetics	325DMRNS	NS	77.8	35.9	20.8	17757	30.7	41.1	--	--	875	--	--
Croplan Genetics	803DMRNS	NS	72.3	36.0	11.0	18719	30.8	43.3	--	509	1021	--	--
Croplan Genetics	369DMRNS	NS	79.5	38.9	15.8	15154	29.5	41.9	--	--	983	--	--
Croplan Genetics	3080DMRNS	NS	74.8	36.0	9.3	19252	30.3	44.9	1267	689	957	1112	971
Seeds 2000,Inc	DefenderPlus-DMR	NS	79.0	36.0	11.0	15280	30.7	40.6	1167	548	1034	1100	916
Seeds 2000,Inc	Teton HO-DMR	HO	79.3	33.1	13.7	19226	30.8	42.9	--	--	863	--	--
Seeds 2000,Inc	X4206 HO-DMR	HO	75.3	32.9	9.6	18028	29.8	44.1	--	--	928	--	--
Triumph Seeds	TRXS7322	NS	83.8	27.7	31.9	15459	33.6	44.4	--	--	1011	--	--
NDSU (CHECK)	HY894	Trad	79.0	39.6	11.1	18613	32.4	41.2	953	--	996	975	--
Trial Mean			77.9	37.8	14.5	17646	32.3	43.4	1145	561	1077	--	--
CV %			1.5	6.3	23.1	13	1.8	1.6	12	19	15	--	--
LSD 0.05			1.7	3.4	4.7	3262	1.2	1.4	198	216	232	--	--

Planting Date: May 15

Harvest Date: October 9

a - CL = Clearfield. DM, DMR - Downy Mildew resistance.

b - NS designates the NuSun Hybrids. HO = High oleic. Trad=Traditional.

c - Seed oil content determined on an NMR machine and adjusted to 10% moisture.

NuSun and High Oleic oils also adjusted for oil type.

d - Seed moisture taken at harvest.

e - two year average is 2006 and 2008, head moth damage in 2007