

2008 Oil Sunflower - Langdon, ND

Brand	Hybrid	Oil Type	Herb Type	DMR	Days to		Plant Ht.	Oil ¹ Content	Test Weight	Harvest Moist.	Seed Yield	
					Bloom (days)	Mature (days)					(inch)	(%)
Advanta Pacific	F51289NS, DM	NS	C	Yes	79	129	52	46.9	30.8	17.9	2025	--
Advanta Pacific	F30236NS, DM	NS	C	Yes	80	128	46	45.9	28.1	17.5	1746	2182
Advanta Pacific	F51292NS,DM	NS	C	Yes	88	134	63	49.1	32.6	28.4	2227	--
Advanta Pacific	F51122NS,CL	NS	CL	No	85	131	58	44.3	29.7	17.3	2122	--
CHS	08EXP01	NS	C	No	86	133	56	--	24.3	21.9	2081	--
Croplan Genetics	306 DMR	NS	C	Yes	82	131	55	48.0	31.0	18.2	2199	--
Croplan Genetics	3080 DMR	NS	C	Yes	85	132	56	49.3	29.9	22.1	1967	2589
Croplan Genetics	325 DMR	NS	C	Yes	86	131	56	46.6	31.0	19.8	2340	--
Croplan Genetics	369 DMR	NS	C	Yes	89	135	62	45.3	30.5	24.5	1739	--
Croplan Genetics	356	NS	C	No	90	135	61	47.5	32.8	24.8	2080	--
Croplan Genetics	528 CL DMR	NS	CL	Yes	87	132	63	44.8	32.2	19.7	1989	--
Croplan Genetics	551 CL	NS	CL	No	88	136	63	45.6	30.9	27.5	1816	--
Croplan Genetics	564 CL	NS	CL	No	90	134	66	48.7	31.6	31.8	2092	--
Dahlgren	4421	NS	C	No	82	130	59	42.2	29.4	19.3	2486	2904
Dahlgren	4455	HO	C	No	86	135	65	42.3	32.9	19.6	2323	--
Dahlgren	4370	T	C	No	83	129	51	49.3	30.4	17.3	1646	--
Dahlgren	4370NS	NS	C	No	84	131	54	48.4	30.6	19.5	2057	--
Dahlgren	4500CL	NS	CL	No	89	134	60	48.2	30.0	27.3	1979	--
Dekalb	MH6643	NS	C	Yes	82	132	57	46.8	30.2	18.9	2127	--
Dekalb	DKF29-30	NS	C	Yes	80	131	57	46.7	31.4	16.6	1971	--
Dekalb	IS6131	NS	C	Yes	81	132	54	47.2	33.0	16.7	2077	--
Dekalb	IS7120	HO	C	Yes	82	132	56	44.8	32.0	18.8	2258	--
Dekalb	DKF34-80CL	NS	CL	No	89	133	62	46.3	30.8	20.9	2143	--
Dekalb	DKF34-33	NS	C	Yes	88	134	59	49.3	33.3	19.7	1897	--
Dyna-Gro	92N53	NS	C	Yes	84	132	55	50.9	30.7	22.7	1839	--
Dyna-Gro	94C38	NS	CL	No	91	135	66	44.8	30.6	27.3	1791	--
Garst	4651NS	NS	C	No	86	134	61	46.7	31.7	23.3	2028	--
Garst	NX43489	NS	C	No	86	132	62	45.7	33.4	21.0	2166	--
Garst	NX44166	HO	C	No	87	132	64	45.5	32.6	21.8	2098	--
Integra Seed	Int. 536 NSDM	NS	C	Yes	86	133	57	44.9	30.2	28.3	2182	2701
Integra Seed	IX0834 NSDM	NS	C	Yes	86	134	57	48.6	33.6	30.6	1991	--
Integra Seed	Int. 735 NSCLDM	NS	CL	Yes	86	132	57	45.5	29.3	19.4	2056	2400
Mycogen Seeds	8N270	NS	C	No	81	133	50	47.3	31.1	18.9	1866	--
Mycogen Seeds	8N337DM	NS	C	Yes	84	130	56	49.8	31.2	21.2	1864	2597
Mycogen Seeds	8H288DM	HO	C	Yes	83	130	57	46.2	31.9	22.0	1651	--
Mycogen Seeds	8D310	NS	C	No	83	130	61	42.7	29.0	19.3	2270	--
Mycogen Seeds	8N358CLDM	NS	CL	Yes	88	133	62	49.0	30.8	27.0	2173	2625
Mycogen Seeds	8H449DM	HO	C	Yes	88	136	64	49.3	33.7	30.0	2244	--
Pioneer Brand	63N82	NS	EX	Yes	86	133	67	49.4	33.7	21.7	2187	--
Pioneer Brand	63M40	NS	C	Yes	86	130	57	44.9	30.7	18.8	2131	--
Pioneer Brand	64H41	HO	C	Yes	87	133	64	45.2	34.5	22.4	2268	2673
Proseed	6007	NS	CL	No	89	133	69	44.9	33.5	23.2	1788	--
Proseed	6008	NS	CL	No	89	132	64	43.2	30.7	23.1	2067	--
Proseed	6481	NS	C	No	87	132	63	42.7	28.5	19.2	1837	--
Proseed	7016	NS	CL	No	93	133	74	42.2	30.3	22.7	1644	--
Proseed	7025	NS	CL	No	92	133	62	41.2	30.7	23.9	1969	--
Proseed	7052	NS	CL	No	88	132	68	48.2	32.4	17.5	2024	--
Proseed	7069	NS	CL	No	90	133	69	44.4	31.5	19.3	1919	--
Proseed	7207	NS	CL	No	91	133	69	46.2	31.9	19.9	2217	--
Proseed	EE-2	NS	C	No	88	131	64	41.2	29.9	17.8	2103	--
Proseed	E-85	HO	C	Yes	85	132	63	42.9	29.0	20.2	1944	2423
Proseed	E-5	NS	C	Yes	88	132	62	44.7	30.8	23.2	1837	--
Proseed	E-6	NS	C	Yes	91	133	64	43.1	27.6	25.1	1641	--
Proseed	E-7	NS	C	Yes	85	131	66	46.5	28.9	20.6	1882	--

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Brand	Hybrid	Oil Type	Herb Type	DMR	Days to		Plant Ht.	Oil ¹ Content	Test Weight	Harvest Moist.	Seed Yield	
					Bloom (days)	Mature (days)					2008	3-yr. (bu/a)
Seeds 2000	Defender Plus-NS-DMR	NS	C	Yes	84	130	53	45.0	30.7	19.6	2069	2664
Seeds 2000	Teton-HO-DMR	HO	C	Yes	87	132	57	45.9	28.9	21.2	1736	2492
Seeds 2000	X4206 -HO-DMR	HO	C	Yes	83	132	56	46.5	29.8	18.5	1849	--
Seeds 2000	Viper CL-NS	NS	CL	No	88	134	59	45.7	30.5	25.0	1679	--
Triumph Seed	TRXS 7322	NS	C	Yes	89	135	40	48.9	33.6	26.5	1593	--
Triumph Seed	TRXDM 8340	NS	C	Yes	85	133	52	49.2	32.0	24.7	2027	--
USDA	894	T	C	No	84	131	58	46.5	33.2	20.3	2051	2681
Mean					86	132	60	46.2	31.0	21.9	2001	2578
C.V. %					1.3	0.9	4.3	2.2	3.0	9.2	13.1	--
LSD 0.05					1.8	1.9	4.1	1.7	1.5	3.2	424.9	--

¹Oils were adjusted to 10% moisture. Oil % of NuSun and Traditional hybrids were adjusted for oil type.

Oil Types: T=Traditional, NS=NuSun, HO= High Oleic. Herbicide Types: C=Conventional, CL=Clearfield, EX=Express
DMR=Downy Mildew Resistance.

Roundup applied October 1 by air.

Days to mature for hybrid checks: Hysun 311=130, SF270=130, PI6451=134

Planting Date: May 15

Harvest Date: October 24,27