

2007 Oil Type Sunflower Variety Trial – Continuously Cropped, No-till Hettinger, N. Dakota

Brand	Hybrid	Oil Type & Traits	Days to Bloom	Days to Mature	Plant Height	Test Weight	Oil Content	Seed Yield
		*			inches	lbs/bu	%	lbs/ac
Croplan	356 NS	NS	76	123	50	31.7	45.4	1701
Genetics	528 CL,DMR,NS	NS, DMR, CL	74	120	56	32.8	45.2	1545
	3080 DMRNS	NS, DMR	73	124	49	31.8	47.7	1319
	803 DMRNS	NS, DMR	72	118	51	32.6	48.2	1172
	564 CLNS	NS, CL	78	120	46	34.7	47.0	940
	378 DMRNS	NS, DMR	73	123	52	31.0	44.3	903
Dekalb	DKF38-45	NS	76	125	51	35.0	47.7	1637
	DKF34-33	NS, DMR	74	120	50	33.5	48.4	1381
	DKF34-80CL	NS, DMR, CL	75	120	53	32.6	45.2	1262
	DKF37-31	NS	75	125	49	32.8	45.3	1141
	DKF35-10	NS, DMR	72	124	50	31.4	41.4	1033
	DKF29-30	NS, DMR	72	119	56	28.3	45.0	997
Garst Seed	XF07NC68	NS, CL	76	124	54	29.8	46.3	1192
	XF06NS16	NS	72	123	51	31.1	43.6	1098
	XF07NC82	NS, CL	74	120	50	31.5	42.6	964
Integra Seed	Int. 737 NSCLDM	NS, DMR, CL	77	126	51	29.0	42.4	1392
	Int. 536 NSDM	NS, DMR	73	125	52	31.4	41.4	1138
	Int. 735 NSCLDM	NS, DMR, CL	74	122	48	32.7	42.1	1014
Interstate	IS4704 NS	NS	72	124	48	27.5	40.0	1383
Seed	IS4575 NS/CL	NS, CL	74	125	48	31.4	45.2	1173
	IS7120 HO/DM	HO, DMR	73	124	48	28.4	45.4	1171
	IS4668 NS/CL	NS, CL	76	124	58	27.3	40.3	1127
	IS5770 NS/DM	NS, DMR	74	123	52	31.3	43.8	1095
	IS6131 NS/DM	NS, DMR	72	123	49	30.9	45.2	1012
	IS5880 NS/CL	NS, CL	74	126	50	30.9	44.4	874
Monsanto	MH6643	NS, DMR	74	123	51	30.4	45.3	1712
	MH6641	NS, DMR	75	124	50	31.4	45.0	1687
	MH6642	NS, DMR	73	123	51	30.1	42.7	1207
Mycogen	8N337DM	NS, DMR	72	122	50	31.5	48.1	1904
Seeds	8N510	NS	77	125	52	30.3	45.5	1605
	8N358CL	NS, CL	74	124	48	32.6	48.5	1447
	8N453DM	NS, DMR	75	122	51	35.1	49.0	1374
	8N337DM	NS, DMR	72	122	50	31.5	48.1	1232
	8H419CL	HO, CL	76	126	51	28.3	46.6	1088
Proseed	EE-3	HO, DMR	76	118	54	31.2	39.8	1470
	6481	NS	76	120	60	31.7	45.6	1380
	6004	NS, CL	78	120	55	34.0	44.3	1257
	EE-1	HO, DMR	76	120	52	29.8	43.2	1250
continued								

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Proseed	EE-2	HO, DMR	75	119	60	31.6	42.0	1148
	6294	HO, CL	77	118	61	34.1	46.0	1101
Seeds 2000	Blazer	NS	76	120	49	31.7	45.0	2021
	Sierra	HO	81	126	50	29.4	43.2	1929
	Firebird NS-SU	NS, SU	79	122	49	30.3	44.4	1647
	Barracuda	NS, CL	77	124	55	32.4	46.0	1485
Triumph Seed	TRX 7449	NS, DMR	78	124	48	29.3	43.9	1920
	s678	NS	79	128	46	27.6	44.6	1839
	TRXs 7426HO	HO	78	124	48	29.7	46.4	1640
	s675	NS	81	127	35	29.8	48.6	959
Trial Mean			75	123	51	31.1	44.9	1333
CV %			1.1	1.1	5.5	4.4	2.6	13.3
LSD .05			1	2	4	1.9	1.6	248
LSD .01			2	2	5	2.5	2.2	328

* Oil Type: NS = NuSun, HO = high oleic

Traits: CL = Clearfield, DMR = downy mildew resistant, SU = Express herbicide tolerant

Planting Date: May 15, 2007

Harvest Date: October 25, 2007

Seeding Rate: 21,000 seeds / acre, thinned to 18,650 plants / acre.

Row Spacing: 28" Previous Crop: HRSW Soil Type: Sandy Loam

Notes: Oil content and seed yields are based on 10% moisture.