

**NDSU Carrington Research Extension Center
2007 Variety Trial Data**

Oil Sunflower

Carrington (Page 1 of 3)

Brand	Hybrid	Oil Type	Neck Drop	Plant Ht.	Days		Moisture at Harvest	Test Weight	Oil Content	Seed Yield			
					to Bloom	Days to PM				2007	2-yr. Avg.	3-yr. Avg.	Oil Yield
			%	inch			%	lb/bu	% @ 10% M	lb/ac	lb/ac	lb/ac	
Proseed	6294	NS CL	5	79	68.3	111.0	8.2	33.4	44.0	2687	--	--	1166
Proseed	6481	NS	5	83	67.5	114.5	8.2	29.8	43.6	2604	--	--	1128
Proseed	6004	NS CL	13	78	67.5	111.8	8.4	33.0	42.3	2334	--	--	991
Proseed	EE-1	NS DMR	23	74	65.5	110.5	8.2	30.5	38.6	2116	--	--	817
Proseed	EE-2	NS DMR	63	80	68.5	111.0	8.4	28.3	38.4	1283	--	--	492
Proseed	EE-3	NS DMR	18	71	68.5	110.0	8.1	30.3	39.3	2196	--	--	866
Proseed	E-85	HO DMR	3	73	64.0	109.5	8.3	27.4	41.3	2553	--	--	1051
Proseed	E-3	NS DMR	18	69	65.5	108.8	8.3	30.6	43.5	2248	--	--	979
Proseed	E-4	NS DMR	13	72	64.8	109.8	8.5	30.2	43.2	2023	--	--	873
Proseed	E-5	NS DMR	3	79	67.8	114.5	8.9	28.9	40.9	2656	2778	--	1088
Proseed	CL-7001	NS CL	10	81	69.0	118.8	9.0	29.8	43.1	2551	--	--	1100
Proseed	A-1	NS	20	73	65.3	114.5	8.3	32.4	49.7	1932	2249	2154	960
Garst	XF06NS16	NS	10	66	61.8	114.8	8.6	30.7	43.6	2659	--	--	1162
Garst	XF07NC68	NS/CL/DM	35	74	68.3	116.0	8.4	29.0	46.5	1960	--	--	905
Garst	XF07NC82	NS CL	10	68	64.8	111.3	8.4	29.8	42.5	2346	--	--	997
Garst	XF07NS75	NS	0	70	66.0	113.5	9.1	33.6	45.6	3053	--	--	1394
Mycogen Seeds	8N270	NS	0	65	59.8	112.0	8.0	30.4	44.9	2275	2079	--	1020
Mycogen Seeds	8N288 DM	HO	8	70	60.5	110.5	8.2	31.3	46.4	2297	--	--	1065
Mycogen Seeds	8N337 DM	NS	0	67	62.5	109.5	8.3	30.5	46.7	2095	2176	--	982
Mycogen Seeds	8N358 CL	NS	3	73	65.0	114.5	8.3	30.5	47.0	2567	2539	--	1206
Mycogen Seeds	8N419 CL	HO	8	74	68.3	116.5	8.7	29.7	43.4	2190	--	--	951
Mycogen Seeds	8H350 DM	HO	8	71	62.8	109.5	8.3	29.9	45.2	2136	1950	1961	1028
Mycogen Seeds	8N453 DM	NS	0	71	65.3	116.5	8.7	33.7	48.4	2905	2675	2657	1407
Mycogen Seeds	8D310	NS	3	71	64.5	114.0	8.5	30.0	38.7	2561	2383	2385	991
Pioneer Brand	63M40	NS	3	63	63.5	108.3	8.3	30.9	43.5	2745	--	--	1196
Pioneer Brand	63N81	NS	3	70	65.8	118.0	8.4	32.9	45.9	2322	--	--	1044
Pioneer Brand	64H41	HO	3	70	65.8	114.5	8.3	33.7	42.8	2560	2423	2407	1097
Pioneer Brand	4635	HO	3	76	68.3	117.0	8.4	32.8	41.0	2410	--	--	993
Pioneer Brand	3622	NS	5	72	65.3	116.0	8.4	33.8	44.6	2716	--	--	1212
Monsanto	MH6643	NS/DM	0	71	64.5	114.3	8.9	32.2	45.9	2992	--	--	1429
Monsanto	MH6642	NS/DM	13	68	63.5	114.8	8.8	31.0	44.9	2602	--	--	1169
Monsanto	MH6641	NS/DM	5	70	66.3	115.0	8.7	32.3	45.5	3358	--	--	1526
Dekalb	DKF29-30	NS/DM	0	68	61.3	110.0	8.1	32.0	44.7	2467	--	--	1101
Dekalb	DKF34-33	NS/DM	3	69	64.5	111.0	8.2	34.3	48.0	3016	--	--	1448
Dekalb	DKF35-10	NS/DM	13	75	64.0	113.5	9.2	33.0	42.7	3337	2806	2647	1424
MEAN			10.1	70.9	65.5	114.3	8.5	31.2	44.4	2536	--	--	1130
C.V. %			116	5.7	1.4	1.9	4.8	3.5	3.3	12.5	--	--	13.0
LSD .05			16	5.6	1.3	3.0	0.6	1.5	2.0	438	--	--	203

Planting Date = June 3 ; Harvest Date = November 14 & 15 ; Previous Crop = Spring Wheat

**NDSU Carrington Research Extension Center
2007 Variety Trial Data**

Oil Sunflower

Carrington (Page 2 of 3)

Brand	Hybrid	Oil Type	Neck Drop	Plant Ht.	Days		Moisture at Harvest	Test Weight	Oil Content	Seed Yield			
					to Bloom	Days to PM				2007	2-yr. Avg.	3-yr. Avg.	Oil Yield
			%	inch			%	lb/bu	% @ 10% M	lb/ac	lb/ac	lb/ac	
Dekalb	DKF34-80CL	NS/DM/CL	8	70	65.8	114.0	8.5	30.6	44.7	2890	--	--	1292
Dekalb	DKF37-31	NS	8	71	66.8	113.5	8.6	32.5	47.4	2991	2906	--	1416
Dekalb	DKF38-45	NS	0	71	65.0	111.5	8.3	32.0	47.7	2965	--	--	1408
Interstate Seed	IS6131 NS/DM	NS/DM	3	67	62.0	109.5	8.2	32.2	44.6	2626	--	--	1169
Interstate Seed	IS7120 HO/DM	HO/DM	3	69	63.8	113.5	8.8	31.4	43.1	2588	--	--	1117
Interstate Seed	IS4704 NS	NS	0	68	63.5	112.0	8.5	31.7	43.7	2659	2488	2404	1159
Interstate Seed	IS5770 NS/DM	NS	5	73	64.8	114.0	8.6	32.3	42.8	2778	2637	--	1195
Interstate Seed	IS4575 NS/CL	NS/CL	48	71	66.3	114.0	8.0	30.6	43.6	2155	2273	2224	953
Interstate Seed	IS4668 NS/CL	NS/CL	15	74	69.5	119.3	8.3	29.4	42.1	2594	2536	--	1092
Interstate Seed	IS5880 NS/CL	NS/CL	20	74	66.8	116.0	8.8	30.2	40.6	2337	2468	--	949
Legend Seeds	LSF117N	NS	5	66	59.8	111.0	8.9	33.0	42.9	2880	2573	--	1224
Legend Seeds	LSF121N	NS	0	68	63.5	112.8	8.4	32.3	45.4	2649	2575	--	1202
Legend Seeds	LSF223NCL	NS	15	85	69.8	120.0	8.5	29.6	42.3	2649	2454	--	1119
Seeds 2000	Blazer	NS	25	69	66.5	116.8	8.8	31.8	49.6	2809	2813	2620	1406
Seeds 2000	Defender HO	HO/DMR	8	68	63.0	112.0	8.4	31.5	40.0	2003	1998	1933	801
Seeds 2000	Defender Plus	NS/DMR	5	69	64.0	110.8	8.3	30.9	42.9	2222	2184	2199	954
Seeds 2000	Viper	NS	48	68	66.3	115.5	8.1	30.2	43.5	2228	2176	2150	968
Seeds 2000	Teton	HO/DMR	3	71	65.0	114.5	8.3	29.3	43.7	2489	2311	--	1087
Seeds 2000	X4806 HO	HO	3	77	68.8	114.0	8.2	29.3	44.1	2587	--	--	1141
SPS Argentina	SPS-06EX01-AO	HO	5	72	68.0	116.3	9.0	30.7	41.4	2460	--	--	1017
SPS Argentina	SPS-06EX05	Trad	3	72	69.3	119.8	8.8	32.8	52.6	3177	--	--	1671
Pannar	7813NS	NS	23	70	65.5	114.5	8.6	31.5	44.3	2664	2754	--	1177
Pannar	7924NS	NS	3	72	67.0	116.3	8.9	31.6	43.7	2594	2446	--	1128
Pannar	PEX2453	NS	20	72	65.5	112.3	8.8	32.1	43.8	2459	2525	--	1078
Pannar	9501DM	NS	25	78	69.3	115.5	8.1	31.0	39.4	2142	--	--	843
Integra Seed	Int 536 NS/DM	NS	20	67	62.8	112.8	8.7	31.3	42.3	2578	2512	2375	1092
Integra Seed	Int 735 NS/CL/DM	NS	18	66	65.0	111.3	8.2	30.5	43.1	2369	2301	2255	1023
Integra Seed	Int 737 NS/CL/DM	NS	13	82	69.8	119.3	8.7	30.1	42.4	2249	2422	--	954
Integra Seed	Exp736 NS/CL/DM	NS	33	75	67.5	117.3	8.4	29.8	46.7	2303	--	--	1074
Croplan Genetic	3080 DMR NS	NS	8	68	63.3	114.0	8.1	30.2	48.9	2403	2525	2444	1177
Croplan Genetic	803 DMR NS	NS	8	68	60.3	108.8	8.4	32.5	47.4	2220	--	--	1053
Croplan Genetic	378 DMR NS	NS	3	72	65.8	118.3	8.9	30.6	44.7	2773	2802	2575	1240
Croplan Genetic	356 NS	NS	3	70	65.8	116.8	8.8	33.2	47.1	3267	3112	--	1537
Croplan Genetic	528 CL	CL	3	69	63.5	109.8	8.1	31.7	45.1	2790	--	--	1258
Croplan Genetic	564 CL	CL	8	71	69.0	116.3	9.5	32.0	46.0	2945	--	--	1356
MEAN			10.1	70.9	65.5	114.3	8.5	31.2	44.4	2536	--	--	1130
C.V. %			116	5.7	1.4	1.9	4.8	3.5	3.3	12.5	--	--	13.0
LSD .05			16	5.6	1.3	3.0	0.6	1.5	2.0	438	--	--	203

Planting Date = June 3 ; Harvest Date = November 14 & 15 ; Previous Crop = Spring Wheat

**NDSU Carrington Research Extension Center
2007 Variety Trial Data**

Oil Sunflower

Carrington (Page 3 of 3)

Brand	Hybrid	Oil Type	Neck Drop	Plant Ht.	Days to Bloom	Days to PM	Moisture at Harvest	Test Weight	Oil Content	Seed Yield			
										2007	2-yr. Avg.	3-yr. Avg.	Oil Yield
									% @ 10% M	lb/ac	lb/ac	lb/ac	
Croplan Genetic	584 CL	CL	15	81	68.5	119.3	8.6	30.8	42.2	2490	--	--	1050
Dahlgren	4421 NS	NS	5	71	63.8	113.3	8.3	29.2	38.7	2591	2330	2341	1004
Dahlgren	Ex 4370	Trad	3	63	58.8	111.3	8.8	30.5	45.0	2125	--	--	957
Dahlgren	Ex 4377 NS	NS	3	64	59.3	110.8	8.3	30.6	45.0	2263	--	--	1010
Dahlgren	Ex 4455 NS	NS	3	74	66.0	117.8	8.5	32.7	42.5	2951	--	--	1254
Advanta Pacific	F51231 NS DM	NS	5	65	58.0	108.0	8.2	31.0	45.7	2049	2417	--	935
Advanta Pacific	F51179 NS DM	NS	30	68	65.0	111.8	8.7	33.0	45.3	2608	--	--	1184
Advanta Pacific	F30236 NS DM	NS	8	57	56.8	109.3	8.1	28.9	44.9	2235	2213	--	1003
Advanta Pacific	F51321 NS DM	NS	10	67	61.5	117.5	8.7	31.0	43.2	2828	--	--	1222
Advanta Pacific	AP561 NS	NS	10	72	68.0	119.0	9.4	30.0	42.8	2556	--	--	1092
Advanta Pacific	F51122 CL/NS/DM	NS CL	15	67	64.5	111.8	8.3	29.9	42.9	2474	--	--	1059
Advanta Pacific	F51132 CL/NS/DM	NS CL	58	71	67.0	116.8	8.3	29.7	45.9	2444	--	--	1124
Advanta Pacific	AP534 NS/CL	NS CL	8	81	69.5	121.3	8.5	30.0	42.9	2720	--	--	1168
Nidera	JN6903	HO CL DM	3	71	64.3	113.3	8.2	31.5	43.2	2578	--	--	1115
Nidera	JN7381	ND CL DM	8	75	66.3	113.3	8.2	30.6	44.1	2487	--	--	1097
Triumph	TRX 6442	NS	3	75	69.3	119.3	8.9	31.9	48.4	2547	--	--	1233
Triumph	TRX 3244	NS	3	70	64.3	111.0	8.2	31.8	47.8	2669	2774	--	1274
Triumph	TRXs 7426 HO	HO	3	60	70.0	122.0	9.0	33.0	45.5	2525	--	--	1148
Triumph	845 HO	RT HO	3	72	65.8	119.3	8.9	29.1	46.7	2420	2554	--	1130
Triumph	TRX 7434 HO CL	RT HO CL	3	77	69.8	117.5	8.3	32.6	44.2	2693	--	--	1192
Triumph	TRX 7449	DM RT NS	0	76	70.5	118.5	9.8	30.5	47.4	2952	--	--	1400
Triumph	TRXs 7424	NS	5	54	70.0	122.3	8.5	32.3	46.6	2455	--	--	1141
Triumph	s672	NS	3	56	70.5	121.0	8.4	31.5	47.4	2350	2229	--	1117
USDA	894	Traditional	18	71	64.3	111.0	8.5	31.6	43.3	2409	2263	2142	1046
MEAN			10.1	70.9	65.5	114.3	8.5	31.2	44.4	2536	--	--	1130
C.V. %			116	5.7	1.4	1.9	4.8	3.5	3.3	12.5	--	--	13.0
LSD .05			16	5.6	1.3	3.0	0.6	1.5	2.0	438	--	--	203

Planting Date = June 3 ; Harvest Date = November 14 & 15 ; Previous Crop = Spring Wheat