

2009 Sunflower - Oilseed - Casselton, ND - Author, Brent Hulke

Company Brand	Hybrid	Hybrid Type	Days to Flower (days)	Days to Mat. (days)	Plant Height (inch)	Head Diam. (inch)	Logd. (0-9)	Phom. (%)	Head Rot (%)	Stalk Rot (%)	Vert. (%)	Harvest Moist. (%)	Test Wt. (lb/bu)	Oil Content (%)	Seed Yield (lb/a)	Hulling screen test
Advanta	F51137NSCL	NS,CL	73	120	71	8.13	2.0	6.1	2.6	1.7	0.0	11.5	26.5	38.5	3167	
Advanta	F51139NSDMCL	NS,CL,DM	72	114	71	7.92	1.3	3.0	3.6	6.5	0.0	10.7	27.5	37.9	2983	
CHS	08EXP01 (RH866)	Trad.	72	119	71	7.25	4.0	6.5	4.6	1.0	0.0	10.9	23.6	33.0	3233	
Croplan	306 DMRNS	NS,DM	69	121	66	7.17	2.3	12.9	3.5	8.5	1.2	10.4	27.5	39.8	2620	
Croplan	3080 DMRNS	NS,DM	70	115	67	7.50	2.7	4.0	4.6	11.6	0.0	10.0	27.7	43.2	2933	
Croplan	356 A NS	NS	72	121	58	7.75	1.7	4.5	3.4	6.9	0.0	11.3	27.5	40.9	3534	
Croplan	369 DMRNS	NS,DM	72	120	73	7.42	2.7	5.8	5.8	4.6	0.0	11.5	27.0	38.1	3008	
Croplan	460 E NS	NS,Ex	72	119	75	7.58	2.0	1.9	6.6	11.6	0.6	10.2	27.1	40.9	3063	
Croplan	555 CLDMRNS	NS,CL,DM	73	117	71	7.75	2.3	3.6	6.3	3.4	0.0	10.3	25.8	38.4	2736	
Dahlgren	4416CL	NS,CL	74	111	80	8.00	3.0	4.8	5.9	5.7	0.0	11.6	23.8	31.7	2703	
Syngenta	2930 NS/DM	NS,DM	69	118	66	6.38	2.0	15.3	2.6	10.3	0.0	9.1	27.4	40.3	2186	
Syngenta	3433 NS/DM	NS,DM	72	120	65	7.67	2.7	8.9	5.2	7.6	0.0	9.1	30.5	42.4	2558	
Syngenta	3480 NS/CL/DM	NS,CL,DM	71	117	65	8.50	2.3	6.0	8.2	10.2	0.6	9.5	27.6	41.0	2517	
Syngenta	3731 NS	NS	72	118	67	8.00	2.7	4.4	4.9	10.6	0.0	11.0	28.4	40.9	3479	
Syngenta	3732 NS	NS	72	118	66	7.58	1.7	4.6	7.5	24.3	0.0	10.9	27.8	40.5	3158	
Syngenta	3845 HO	HO	72	118	68	7.67	2.3	11.1	4.1	15.8	0.0	9.3	29.1	42.7	3352	
Syngenta	3875 NS	NS	74	112	72	8.50	4.5	4.7	7.5	12.1	0.0	11.6	28.4	39.9	3266	
Syngenta	3980 NS/CL	NS,CL	73	120	73	7.75	1.7	9.4	4.7	10.5	0.0	10.6	26.5	36.9	2859	
Syngenta	7120 HO/DM	HO,DM	69	119	66	7.58	2.0	2.3	3.5	4.0	0.6	10.4	28.6	39.4	2674	
Syngenta	MH9001CL	NS,CL	75	122	77	8.67	4.0	2.8	2.8	0.5	0.0	13.7	27.8	39.4	3096	
Syngenta	MH9002CL	NS,CL	72	114	68	7.67	1.7	1.7	3.5	14.4	0.0	11.1	28.2	37.1	2817	
Mycogen	8D310	NS	69	116	72	7.00	3.0	4.6	5.7	6.9	1.8	10.9	26.3	35.6	2677	Exc.
Mycogen	8D481	NS	73	123	73	6.75	3.0	0.0	3.6	11.8	1.7	11.1	27.3	35.7	3478	Exc.
Mycogen	8H288CLDM	HO,CL,DM	69	120	64	7.63	2.5	10.5	4.4	13.9	0.0	14.0	27.5	42.1	2560	
Mycogen	8H449DM	HO,DM	73	116	68	7.88	3.5	6.4	7.1	6.9	0.0	11.0	28.8	44.0	2550	
Mycogen	8N187	NS	70	113	62	8.50	2.3	12.0	7.2	11.4	4.3	10.8	26.6	38.4	2822	Fail
Mycogen	8N270CLDM	NS,CL,DM	66	112	67	7.67	2.0	14.3	3.4	10.3	0.6	9.9	29.3	41.2	2922	Fail
Mycogen	8N358CLDM	NS,CL,DM	71	115	69	7.33	3.3	9.3	6.4	11.7	0.0	10.0	27.7	40.9	3059	
Mycogen	8N433DM	NS,DM	72	116	67	7.63	2.0	11.1	3.8	2.3	0.0	11.8	27.9	43.9	3078	Fail
Nidera	KN9035	HO,IMI,DM	73	120	76	7.50	1.3	4.2	7.7	9.5	0.0	10.5	28.5	39.6	3132	
Nidera	LN9714	HO,IMI,DM	73	120	71	7.42	1.7	4.1	4.8	4.2	0.6	9.9	29.1	39.0	2733	
Nidera	LN9987	NS,IMI,DM,Rres	74	116	69	7.50	1.0	4.1	8.9	10.6	0.6	10.2	28.4	37.6	2937	
Pannar	PAN 7813NS	NS	73	120	74	8.38	3.0	6.5	1.8	0.0	0.0	13.7	28.1	40.6	3358	
Pannar	PAN 7924NS	NS	74	120	67	8.00	3.0	5.6	3.6	1.9	0.0	13.0	25.7	38.9	2595	
Pannar	PAN 8466 NSCL	NS,CL	75	123	71	6.75	3.0	1.8	3.6	10.9	1.8	13.2	25.5	39.8	3246	
Pannar	PAN 8560 NSCL	NS,CL	75	121	79	7.83	3.3	5.8	4.1	9.3	1.2	10.8	27.3	36.3	2575	
Pannar	PAN 8579 NSDM	NS,DM	72	118	65	8.00	2.0	11.8	5.5	9.2	0.9	11.3	26.7	40.3	2823	
Pannar	PEX 7404	NS	72	117	70	7.58	1.7	2.9	6.3	3.2	0.6	11.3	26.8	37.8	3005	
Pannar	PEX 7803	HO	72	119	66	7.67	1.7	9.3	4.7	6.4	0.0	12.4	26.5	41.2	3161	
Pannar	PEX 7904	HO	73	117	69	7.50	3.3	7.5	3.7	4.4	0.0	12.2	25.9	39.7	2816	
Pioneer	63M91	NS	70	117	70	7.17	2.0	6.1	4.4	5.1	2.2	9.8	29.4	42.2	3094	
Pioneer	63N82	NS,Ex	70	121	69	7.08	2.0	5.2	5.3	3.4	0.0	10.1	28.3	40.8	2750	
Pioneer	64H41	HO	72	120	73	7.83	2.3	7.1	2.3	7.5	1.8	10.7	28.9	39.4	2748	
Proseed	6007	NS,CL	73	117	80	6.83	4.0	5.0	2.2	3.3	0.0	10.1	30.8	37.3	2445	
Proseed	7001 CL	NS,CL	72	119	69	7.50	2.0	8.7	0.9	25.7	0.9	10.4	26.5	36.3	2637	
Proseed	7052	NS,CL	73	115	77	7.58	3.0	7.3	4.0	4.5	0.5	9.4	29.5	40.2	2550	
Proseed	7207	NS,CL	74	115	72	7.17	2.0	5.3	5.9	12.6	0.0	9.9	27.6	36.1	2321	
Proseed	9001 CL	NS,CL	72	112	70	7.00	2.5	15.0	6.1	24.4	0.0	9.6	26.5	37.4	2658	
Proseed	E-4	NS,DM	69	117	73	7.92	2.3	5.6	1.2	3.5	0.0	10.0	26.6	36.8	2951	
Proseed	E-5	NS,DM	74	120	79	7.13	4.5	5.3	0.8	4.3	0.9	11.5	28.3	37.6	2789	
Proseed	E-6	NS,DM	75	120	75	6.92	2.3	2.3	1.2	0.6	0.0	10.5	24.4	39.0	2744	
Proseed	E-8	NS,DM	73	118	79	7.00	3.3	5.0	0.6	6.1	0.0	10.4	27.6	42.3	2497	Fail
Proseed	E-85	NS,DM	72	117	75	7.75	2.3	2.9	2.8	1.7	0.0	9.7	26.3	40.0	2877	
Seeds 2000	Badger CL	NS,CL	72	119	75	6.75	3.7	10.9	3.4	18.8	0.6	10.4	26.0	33.3	2554	
Seeds 2000	Barracuda	NS,CL	73	120	70	8.42	3.0	2.3	10.0	8.2	0.8	15.8	27.6	39.4	2933	
Seeds 2000	Blazer CL	NS,CL	73	122	70	7.50	3.0	9.9	7.6	4.6	0.0	11.4	26.4	40.0	2848	
Seeds 2000	Firebird	NS,Ex	75	122	65	7.75	1.7	5.8	2.9	3.5	0.0	11.5	24.9	38.6	3033	
Seeds 2000	Sierra	HO	75	122	73	7.67	3.7	2.8	7.4	10.1	0.6	12.2	25.2	38.0	3057	
Triumph	TRX7435HO	HO	73	121	73	7.25	3.7	6.8	3.8	3.8	0.0	12.2	27.1	41.3	2993	
USDA	Hybrid 894	Trad.	71	115	75	8.25	2.7	16.1	2.9	23.1	0.0	9.5	27.5	38.5	2519	
USDA	Hybrid 894	Trad.	69	115	72	7.50	2.0	7.8	5.2	19.8	3.5	9.0	27.7	38.9	2444	
Mean			72	118	71	7.59	2.6	6.5	4.6	8.5	0.5	10.9	27.3	39.2	2867	
CV %			1.0	2.1	4.4	7.4	30.1	73.3	57.0	68.0	233.3	10.8	4.0	2.2	11.1	
LSD 0.05			2	4	5	0.97	1.3	8.4	4.7	10.0	2.2	2.0	1.9	1.5	546	

1Type: HO = High Oleic, NS = NuSun, Trad = Traditional, CL = Clearfield, Ex= ExpressSun, DM = Downy Mildew Resistant, SS=Short Stature.

2 Hulling screen test: Average= 75% of seed over a 13/64 inch screen; Excellent = 65% of seed over a 14/64 inch screen; Fail= does not meet either criteria.

Planted June 1, 2009; Gramoxone Max applied Oct. 4, 2009; Harvested Nov. 10-11, 2009. Yield and oil content are shown on a 10% moisture basis.

Maturity date for Hysun 311=111, SF270=113, and P6451=117.