

**North Central Research Extension Center—Minot
Sunflower Variety Trial—Non-Oil**

Company/Brand	Variety	Hybrid Type ¹	Days			Seed Weight	Seeds/ Pound	Test Weight	Seed Over Screen			Seed Yield			2 Year	3 Year
			50% Flower	Plant Height	Lodge				>22/64	>20/64	>18/64	2009	2010	2011		
			DAP ²	in	0-9 ³	g/1000	seeds	lb/bu	-----%-----			-----lb/A-----				
CHS	RH400CL	CL	66	63	4.3	156.8	2900	22.4	54.5	65.3	70.8	1935	1696	1274	1485	1635
CHS	RH402CL	CL	71	67	1.3	135.8	3357	24.0	76.7	89.3	95.8	--	--	2392	--	--
CHS	10EXP02	E	69	58	4.3	164.3	2777	21.5	44.0	61.5	70.0	--	2000	1516	1758	--
Dahlgren & Company	D-EX610	Conv.	66	58	5.5	138.8	3275	21.4	52.5	66.3	70.5	--	--	1143	--	--
Dahlgren & Company	D-9530	Conv.	69	72	2.3	135.5	3351	24.8	62.3	83.8	93.0	2495	3258	2655	2957	2803
Dahlgren & Company	D-9530CL	CL	71	74	5.5	136.8	3333	23.5	73.5	88.5	93.3	3076	3132	2118	2625	2775
Mycogen Seeds	8C410CL	CL	71	78	1.8	139.8	3274	25.0	49.0	63.3	69.3	--	--	2285	--	--
Mycogen Seeds	8C451	Conv.	68	66	3.5	140.5	3248	22.2	65.6	84.5	93.5	2667	2549	1830	2190	2349
Red River Commodities	2215	CL	69	74	3.3	128.5	3542	24.4	50.4	76.5	90.0	2887	2980	2130	2555	2666
Red River Commodities	2215 CL	CL	71	76	2.8	139.8	3249	24.3	45.8	62.5	69.5	--	2642	2064	2353	--
Red River Commodities	2217	CL	70	69	2.8	134.3	3376	22.9	54.1	66.5	70.8	2662	2868	1967	2418	2499
Seeds 2000	Jaguar	CL	67	69	2.8	149.3	3049	23.3	49.5	63.5	70.5	2379	1982	1966	1974	2109
Seeds 2000	Jaguar DMR⁴	CL	64	68	2.3	153.5	2958	24.9	32.6	77.0	91.3	2628	2853	2148	2500	2543
Seeds 2000	6946 DMR⁴	Conv.	66	62	3.8	119.8	3794	26.7	55.5	75.5	89.8	--	2612	1982	2297	--
Seeds 2000	X3207	Conv.	68	72	2.5	153.3	2971	27.3	36.0	58.3	69.3	--	--	2865	--	--
Seeds 2000	X9180	E	66	65	2.8	132.0	3446	25.8	39.1	57.8	69.3	--	--	1780	--	--
Syngenta Seed	3733 NS Coated	Conv.	70	61	4	64.5	7104	33.3	21.2	36.5	44.3	--	--	2269	--	--
Syngenta Seed	3845 HO	Conv.	69	65	1.8	69.3	6609	34.6	40.8	60.8	68.0	--	--	1812	--	--
Syngenta Seed	7120 HO/DM	Conv.	68	61	4.5	67.5	6767	32.6	47.3	61.5	69.3	--	--	1433	--	--
LSD 5%	--	--	2	5	3	10.6	384	1.3	NS	NS	NS	478	451	685	--	--
C.V.%	--	--	2.0	5.3	58.7	6.0	6.7	3.7	63.1	53.0	51.0	13.4	12.5	25.4	--	--
Mean	--	--	68	67	3.5	125.3	4037	25.8	47.5	65.7	74.6	2501	2517	1904	--	--

Trial was planted on May 28 with a seeding rate of 18,000 PLS and harvested on November 4.

¹ Hybrid Type: Conv. = Conventional, CL = Clearfield, E = Express.

² DAP = Days after planting.

³ Lodging score based on scale 0-9 (0 = upright, 9 = flat).

⁴ Downy Mildew resistant.

Due to the high CV% value for seed yield in 2011 no data is available. Additional data sites should be used for making decisions.

Bold varieties commercially available.