

**North Central Research Extension Center—Minot
Sunflower Variety Trial—Confection**

Company	Variety	Days		Plant Height	Harvest Moisture	Seed Weight	Test Weight	Seed Over Screen			Yield			
		to Flower	Plant					>22/64	>20/64	>18/64	2003	2004	2005	Year
		DAP	in	%	g/1000	lb/bu	%	%	%	lb/A				
Red River Comm.	R.R.C.2214	91	61	18	133.5	23.0	62.4	80.8	92.6	--	1193	2279	1736	--
Red River Comm.	R.R.C.2215	89	61	21	140.8	25.2	55.5	76.2	86.5	2023	2094	1831	1962	1983
Red River Comm.	R.R.C.2216	89	60	20	140.3	25.1	52.8	78.2	91.6	--	--	1948	--	--
Seeds 2000	Cougar	90	56	14	143.5	24.6	83.6	93.7	96.1	1894	1931	1788	1859	1871
Seeds 2000	6946	91	54	14	141.3	25.9	64.8	95.3	97.0	1894	1847	2064	1956	1935
Mycogen Seeds	8C416	91	62	19	144.0	25.2	62.4	84.9	91.1	--	2100	1731	1915	--
Mycogen Seeds	8C481	90	66	23	173.0	24.5	49.5	79.5	92.8	--	--	2529	--	--
CHS Sunflower	RH316	93	63	23	162.3	25.2	51.8	81.5	93.3	--	--	1718	--	--
CHS Sunflower	RH112	93	59	20	171.3	24.5	83.7	92.0	94.6	--	--	2162	--	--
CHS Sunflower	RH312	97	58	22	168.0	21.1	72.6	84.3	92.9	--	--	933	--	--
CHS Sunflower	RH9558	97	60	21	173.5	27.1	58.3	83.9	92.1	--	--	1640	--	--
Dahlgren & Co.	D-9530	98	53	21	121.0	25.0	46.3	65.8	82.7	2011	2084	1154	1619	1750
Dahlgren & Co.	D-9531	95	60	20	151.5	25.2	57.2	76.9	89.7	--	--	1608	--	--
Dahlgren & Co.	D-9532	98	54	19	156.5	24.0	69.8	86.9	92.9	1513	1952	1856	1904	1774
Triumph Seed	757C	96	62	16	158.8	21.7	81.2	88.4	93.0	--	--	1668	--	--
Croplan Genetics	130	96	61	13	120.8	23.0	62.8	76.2	90.5	--	--	2020	--	--
Croplan Genetics	135	97	60	19	152.8	21.8	87.8	93.9	96.9	--	2047	2444	2246	--
Interstate Seed	IS 8048	98	59	17	141.8	25.8	58.7	82.2	94.2	--	1454	1291	1373	--
Confectionary Check	Hybrid 924	96	61	15	147.0	26.3	26.9	61.8	87.2	--	--	2050	--	--
LSD 5%	--	NS	6	6	25.4	1.1	16.2	13.6	NS	376	299	591	--	--
C.V.%	--	9.1	6.8	22.8	8.1	3.2	12.5	7.9	4.0	13.7	11.7	22.9	--	--
Mean	--	94	59	18	149.9	24.5	62.3	82.4	92.2	1916	1812	1821	--	--

DAP=Days after planting

Downy Mildew disease incidence was significant for non-resistant hybrids

Record precipitation in June caused water damage in some plots, and these were dropped from the analysis

