

**2011 SUNFLOWER HYBRID PERFORMANCE TRIAL**

**WILLISTON RESEARCH EXTENSION CENTER**

Brand	Hybrid	Oil Type	Flower	Plant	Test	Seed	Seed	Seed Yield				
			Date	Height	Weight	Oil	Moist	2009	2010	2011	2 yr avg	3 yr avg
			from	inch	lb/bu	%	%	lb/ac				
			planting			c	d					
Syngenta	3158 NS/CL/DM	NS	66.5	49.0	33.8	43.1	11.8	--	--	1254	--	--
Syngenta	NX01162 NS/CL/DMR	NS	65.3	45.4	30.3	40.1	12.0	--	--	1153	--	--
Syngenta	NX82758 NS/CL/DMR	NS	66.5	51.4	31.5	43.1	12.7	--	--	1129	--	--
Syngenta	3480 NS/CL/DM	NS	68.3	47.2	32.4	44.7	12.7	--	959	1352	1155	--
Syngenta	3495 NS/CL/DM	NS	67.3	51.1	34.7	41.9	10.9	--	--	1343	--	--
Syngenta	3990 NS/CL/DM	NS	68.3	47.2	33.7	42.8	12.1	--	--	1285	--	--
Syngenta	3733 NS/DM	NS	66.8	48.3	34.9	43.3	11.6	--	--	1285	--	--
Syngenta	3733 NS COATED	NS	67.3	46.0	34.2	43.3	11.5	--	--	1383	--	--
Syngenta	3995 NS/SU	NS	66.5	48.4	34.2	41.7	12.4	--	--	1284	--	--
Syngenta	4596 HO/DM	HO	66.5	55.2	34.0	44.7	13.7	--	--	1713	--	--
Syngenta	3845 HO	HO	66.5	45.0	34.2	46.6	12.3	--	--	1372	--	--
Syngenta	7120 HO/DM	HO	66.0	45.7	32.8	43.3	12.2	--	1062	1161	1111	--
Seeds 2000,Inc	Falcon NS/SU	NS	67.5	44.0	33.7	43.5	13.8	--	--	1377	--	--
Seeds 2000,Inc	Camaro NS/CL/DMR	NS	69.0	49.2	33.8	42.7	13.7	--	--	1469	--	--
Seeds 2000,Inc	Defender Plus NS/DMR	NS	65.0	46.9	32.7	41.2	10.4	2226	877	1243	1060	1449
Seeds 2000,Inc	X9822 HO/CL/DMR	HO	68.0	49.7	33.4	44.0	12.1	--	--	1150	--	--
Elite Seeds	Pomar DMR	Trad	68.8	53.4	31.5	41.7	11.9	--	--	1189	--	--
Elite Seeds	Pacific HO/DMR	HO	67.5	52.4	29.7	42.9	12.4	--	--	1076	--	--
Elite Seeds	Biba	Trad	66.5	51.3	31.8	42.6	11.9	--	--	1435	--	--
Elite Seeds	Balistic HO/CL/DMR	HO	67.5	58.5	31.8	41.5	11.0	--	--	1394	--	--
Elite Seeds	Ethic HO/DMR	HO	68.0	53.6	32.2	45.1	12.5	--	--	1248	--	--
Triumph Seeds	S673 NS	NS	71.0	38.8	32.4	45.9	16.7	--	948	1806	1377	--
USDA	Hybrid 894	Trad.	66.3	48.9	32.8	42.1	12.3	1879	578	939	758	1132
Croplan Genetics	460 E NS	NS	68.5	47.6	34.1	47.0	13.0	2421	--	1132	--	--
Croplan Genetics	559 CL DMR NS	NS	68.5	46.9	32.3	45.9	13.2	--	--	1427	--	--
MEAN			67.3	48.8	32.9	43.4	12.4	2228	954	1304	--	--
C.V. %			1.4	6.7	1.9	2.7	8.7	15	16	17	--	--
LSD 5%			1.4	4.6	1.3	2.4	1.5	563	215	319	--	--

a - CL = Clearfield and SU = Express Tolerant. DM and DMR - Downy Mildew resistance.

b - NS designates the NuSun Hybrids. HO = High Oleic. Trad=Traditional.

c - Seed oil content determined on an NMR machine and adjusted to 10% moisture.

NuSun and High Oleic oils also adjusted for oil type.

d - Seed moisture taken at harvest.

Planting Date: June 2 , 2011      Previous Crop: Durum

Date Harvested: October 24

Comments: Heads from the middle rows (two harvested rows) were netted after seed set. However blackbird damage did occur.