

## 2010 SUNFLOWER HYBRID PERFORMANCE TRIAL - DRYLAND

## WILLISTON RESEARCH EXTENSION CENTER

Brand	Hybrid	Oil Type	Flower	Harvest	Seed	Test	Seed	Seed Yield			Average		
			Date	Pop.	Oil	Weight	Moist	2008	2009	2010	2 yr	3 yr	
	a	b	from plting	inches	plt/a	%	lbs/bu	%	lbs/a				
						c		d					
Syngenta	7120 HO/DM	HO	71.3	33.6	18818	44.0	31.6	7.7	--	--	1062	--	--
Syngenta	2930 NS/DM	NS	70.8	34.0	19341	39.4	30.0	6.9	--	--	813	--	--
Syngenta	3433 NS/DM	NS	73.5	37.6	14985	41.5	33.2	7.9	--	--	1300	--	--
Syngenta	3480 NS/CL/DM	NS	73.8	31.7	16379	42.2	32.8	8.7	--	--	959	--	--
Seeds 2000,Inc	Defender Plus	NS	71.3	33.6	16379	37.8	31.8	7.5	1034	2226	877	1551	1379
Seeds 2000,Inc	Cobra	NS	72.5	32.3	18644	40.1	28.6	8.1	--	--	831	--	--
Seeds 2000,Inc	X9866	NS	74.8	34.7	15682	40.2	31.3	10.3	--	--	1120	--	--
Seeds 2000,Inc	X9828	NS	75.5	33.9	17598	39.3	32.2	7.6	--	--	953	--	--
Triumph Seed Co.	610CLD	NS	73.8	34.0	18992	43.5	32.1	8.6	--	--	1006	--	--
Triumph Seed Co.	s671	NS	77.3	26.0	17947	45.0	34.3	16.9	--	2078	1001	1539	--
Triumph Seed Co.	s673	NS	79.3	29.6	17947	43.2	32.0	25.8	--	--	948	--	--
Public	NDSU 894	Trad.	73.5	36.5	17076	40.4	32.9	7.4	996	1879	578	1229	1151
	MEAN		73.9	33.1	17482	41.4	31.9	10.3	1077	2228	954	--	--
	C.V. %		0.9	9.0	12	1.3	1.8	12.3	15	15	16	--	--
	LSD 5%		1.0	4.3	NS	1.2	1.3	1.8	232	563	215	--	--

a - CL = Clearfield. DM - 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: May 20, 2010

Date Harvested: October 6.

Previous Crop: Durum

No significant weed or disease problems.

Comments: Heads from one of the middle rows (harvested row) were netted after seed set and no bird damage occurred.