

**NDSU Langdon Research Extension Center
2010 Hybrid Trial Data**

Confectionary (Non-oil) Sunflower - 2010 **Langdon**

Brand	Hybrid	Days to Flower	Plant Height	Test Weight	Head Rot ³	Stalk Rot ⁴	Broken Stems ⁵	Seed over screen			Yield @ 10% moisture			Average	
								22/64	20/64	18/64	2008	2009	2010	2 yr	3yr
								-----(% over)-----			------(lbs/a)-----				
Croplan Genetics	179	77	70	21.8	3	32	0	67	87	95	--	1290	1685	1487	--
Dahlgren	9530	76	75	22.7	4	25	0	68	87	94	2365	1570	2218	1894	2051
Dahlgren	9592	75	73	20.4	5	12	0	73	89	94	2588	1821	2038	1930	2149
Dahlgren	95EXCL-9530CL ¹	77	75	21.7	8	16	0	50	81	94	2437	1471	1698	1585	1869
Mycogen Seeds	8C451	74	70	20.0	4	19	0	76	93	96	2218	1707	1805	1756	1910
RRC	2215 CL ¹	79	78	21.9	3	23	0	60	90	96	--	--	1665	--	--
RRC	2215	76	73	22.0	3	20	0	63	92	96	2572	1632	2225	1928	2143
RRC	2217	75	70	20.4	2	8	0	72	93	96	--	1559	2105	1832	--
Seeds 2000	Jaguar ¹	74	70	22.1	5	20	6	44	82	93	2208	2136	1785	1960	2043
Seeds 2000	Panther DMR ²	72	68	22.5	2	35	2	30	78	93	2084	1819	1925	1872	1943
Seeds 2000	6946 DMR ²	73	68	22.9	5	28	8	3	38	84	--	--	1512	--	--
Seeds 2000	X9151	74	70	23.5	1	17	1	7	41	80	--	--	2038	--	--
Triumph	TRX10454C	74	70	22.2	4	11	3	69	90	96	--	--	2218	--	--
Triumph	747C	72	69	21.4	7	11	0	73	87	95	2408	1399	1751	1575	1853
Check-USDA	924	72	62	24.2	11	28	2	34	72	89	2249	1167	2071	1619	1829
Trial Mean		75	71	22.0	5	20	2	--	--	--	2315	1614	1916	--	--
C.V. %		1.2	3.8	2.6	97	47	321	--	--	--	12.1	13.5	13.3	--	--
LSD 5%		1.5	4.5	1.0	NS	15.8	NS	--	--	--	465	364	427	--	--

¹ Clearfield hybrid

² Downy mildew resistant

³Sclerotinia head rot. Indicates percent incidence of head rot for each hybrid. It does not indicate severity.

⁴Sclerotinia stalk rot. Indicates percent incidence of basal or mid-stalk rot for each hybrid.

⁵Broken stems were laying flat on the ground. Breakage may have resulted from stalk rot, phoma, or insects. Plants were not harvested.

Planting Date: May 18

Harvest Date: October 12