

NDSU Langdon Research Extension Center
2012 Hybrid Trial Data

Confectionary (Non-oil) Sunflower - 2012											Langdon			
Brand	Hybrid	Days to Bloom	Plant Height	Test Weight	Midge Incid. ⁵	Midge Sev. ⁶	Seed over screen			Yield @ 10% moisture			Average	
							22/64	20/64	18/64	2010	2011	2012	2 yr	3yr
							-----(% over)-----			------(lbs/a)-----				
Genosys	12GCF05	83	71	23.1	61	7	75	90	95	--	--	1004	--	--
Genosys	12GCF06	79	83	20.9	33	5	89	94	95	--	--	1765	--	--
Genosys	12GCF07	81	78	22.1	29	6	78	92	95	--	--	1183	--	--
Genosys	12GCF08	80	70	21.1	78	6	86	96	98	--	--	1081	--	--
Genosys	12GCF09	82	70	24.2	25	6	72	90	94	--	--	1311	--	--
Mycogen	8C451CP ¹	79	61	21.6	3	1	71	89	93	1805	2436	1789	2113	2010
RRC	2215	78	74	22.5	6	5	74	91	95	2225	2404	2124	2264	2251
RRC	2215 CL ¹	80	72	23.0	8	5	65	90	95	1665	2823	1785	2304	2091
Seeds 2000	Jaguar ¹	75	68	21.9	5	3	63	90	95	1785	3035	2297	2666	2372
Seeds 2000	Jaguar DMR ^{1,2}	74	62	23.2	2	0	59	91	97	--	2992	2489	2741	--
Seeds 2000	Sundance DMR ²	78	68	25.1	13	4	64	88	95	--	--	2117	--	--
Seeds 2000	6946DMR ²	77	67	24.5	12	3	23	64	90	1512	2992	2335	2663	2280
Seeds 2000	x918022 ³	76	65	23.4	21	4	60	88	94	--	--	1804	--	--
SunOpta/Dahlgren	9530CL ^{1,4}	79	72	22.1	16	3	80	93	95	1698	2532	1861	2197	2030
SunOpta/Dahlgren	9530	77	66	22.4	16	2	77	92	95	2218	2463	2047	2255	2243
USDA	924	77	64	24.1	35	4	32	62	90	2071	2720	1413	2067	2068
Trial Mean		78	70	22.8	23	4	--	--	--	1916	2612	1775	--	--
C.V. %		2.1	6.1	4.5	46.7	43.9	--	--	--	13.3	12.6	19.7	--	--
LSD 10%		2.3	5.8	1.4	15	2	--	--	--		459	484	--	--
LSD 5%		2.8	7.0	1.7	18	3	--	--	--	427	NS	583	--	--

¹ Clearfield hybrid, ² Downy mildew resistant, ³ Express hybrid

All lines are commercially available except those designated experimental⁴

⁵Incidence of plants that were infected by sunflower midge.

⁶Sunflower Midge Severity: Scored on 0 to 9 scale, where 0=no symptom to 9=head fully cupped.

Planting Date: May 16, Harvest Date: October 2