

Confectionary (Non-oil) Sunflower - 2009

Langdon

Brand	Hybrid	Days to Flower	Days to Mature	Plant Height	Test Weight	Harvest Moist.	Head Rot ³	Assert Damage ⁴	Yield							
									Seed over screen			@ 10% moisture			Average	
									22/64	20/64	18/64	2007	2008	2009	2 yr	3yr
									-----% over-----			-----lbs/a-----				
CHS Sunflower	RH1121	93	123	64	21.9	29	35	19	57	78	85	2440	3066	1766	2416	2424
CHS Sunflower	RH3126RT	89	122	64	22.5	30	24	7	55	77	86	--	--	1319	--	--
CHS Sunflower	RH400CL ¹	85	120	59	23.8	25	15	0	83	94	95	--	--	1913	--	--
Croplan Genetics	179	94	126	65	18.9	32	48	10	59	80	85	--	--	1290	--	--
Dahlgren	95EXCL ¹	93	124	67	21.3	28	54	2	45	78	85	--	2437	1471	1954	--
Dahlgren	9530	91	123	63	21.9	28	42	22	47	77	86	--	--	1570	--	--
Dahlgren	9592	89	122	44	21.3	25	26	0	55	75	83	--	2588	1821	--	--
Mycogen Seeds	8C451	89	122	58	20.7	28	36	2	55	81	87	--	2218	1707	--	--
RRC	2215	88	121	60	23.0	28	32	13	42	71	86	2398	2572	1632	2102	2201
RRC	2216	88	122	61	23.1	30	25	15	52	81	88	2740	2490	1639	2065	2290
RRC	2217	90	123	61	20.0	25	53	7	50	74	81	--	--	1559	--	--
Seeds 2000	Jaguar ¹	86	119	57	22.3	20	18	0	26	70	86	2612	2208	2136	2172	2319
Seeds 2000	Panther DMR ²	85	121	57	24.4	19	16	9	21	60	85	2465	2084	1819	1952	2123
Triumph Seed Co.	747C	88	124	56	23.2	37	6	16	71	89	93	2478	2408	1399	1904	2095
Check-USDA	924	86	120	59	24.7	23	21	23	18	45	76	2388	2249	1167	1708	1935
Trial Mean		89	122	60	22.2	27	30	10				2447	2315	1614	--	--
C.V. %		0.9	1.5	11.6	4.2	11.6	31.3	103.7				13.1	12.1	13.5	--	--
LSD 5%		1.4	3.0	NS	1.6	5.3	15.7	NS				538	465	364	--	--

¹ Clearfield hybrid

² Downy mildew resistant

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

⁴ Percent of plants with deformed heads. Assert sprayed June 23 at 0.7 pt/a. Temperature was 68°F, R.H. 46%. Growth stage was 6 leaves.

Heads were not harvested but replaced with normal heads from outside harvest area.

Days to mature hybrid check: Hysun 311=117, SF270=116, PI6451=121.

Planting Date: May 15

Harvest Date: October 22