Post-Registration Trial Data

The 2008 Manitoba Sunflower Post-Registration Trial Data

The Manitoba Sunflower Post-Registration variety testing is organized and conducted by the National Sunflower Association of Canada (NSAC) in co-ordination with the Manitoba Agriculture, Food and Rural Initiatives. The Sunflower Post-Registration Trials serve as a tool to provide Sunflower Growers with regional third-party performance date of varieties that are registered or have interim registration status in Canada OR have been recommended for registration by the Manitoba Sunflower Committee. The varieties that appear in these trials are varieties that sunflower companies are actively pursuing or marketing in Manitoba.

In 2008, the Board of Directors of the NSAC agreed to expand the Sunflower Post-Registration Variety Trials to six locations around Manitoba. This year, the trials were located in Carman, Morden, Minto, Medora, MacGregor and Oak Bluff. These trials and results are made possible with your continued support through the sunflower check-off levy.

Growing conditions in 2008 were abnormal in terms of both heat accumulation and rainfall in most areas of Manitoba. Some areas of the province experienced early season frosts and excessive rainfall. In general, disease incidence was more prevalent in 2008 as compared to previous years, specifically with increases in sunflowers rust and sclerotinia (basal, mid-stalk and head rot). In addition, high Sunflower Bud Moth infestations were reported in localized hot spots around the province. Total

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SUNFLOWERS - NON-OIL TYPE

Comments:
Trial locations for 2008 were Carman, MacGregor, Melita, Minto and Morden
Disease resistance, maturity, height, and seed sizing ratings are taken from results gathered during the Manitoba Sunflower Committee Co-op Performance Testing
These varieties were tested and data donated by the National Sunflower Association of Canada Inc.

Variety Descriptions

					Registration Data (Manitoba Sunflower Committee)						
								Disease Resistance to:			
		Yield (lbs/acre)		% over 22/64 inch	Days to Maturity	Days to Maturity	Height (inches)	Rust[1]	Verticillium Wilt	Downy[2] Mildew	Sclerotinia[3] Wilt
Company	Variety	2008	2007								
CHS Sunflower	05EXP01	2355	2393	80	117	126	76	S	MS	HS	MS
Seeds 2000	6946	2746	2797	41	122	118	69	S	MR	MS	MS
DahlgrenDahlgren	Dahlgren 9530	2480	2584	52	121	123	69	MR	S	HS	MS
DahlgrenDahlgren	Dahlgren 9532	2405	2609	39	123	120	57	HS	MR	HS	MS
Monsanto	IS 8048	2247	-	44	118	123	74	MS	MS	MS	MS
Monsanto	IS 8135	2504	-	66	118	114	71	MS	MS	HS	MS
Seeds 2000	Jaguar *	2425	2799	66	115	119	68	S	MR	MS	MS
CHS Sunflower	RH 316	-	2293	-	128	124	73	MS	MS	HS	MS
CHS Sunflower	RH 1121	2418	-	69	119	126	70	HS	MR	HS	MS
Seeds 2000	X4407 (Panther)	2616	2659	53	114	121	69	MS	MS	MS	MS
Overall Average (lbs/acre)		2466	2591	61							
# Site Years		6	4	6							

* indicates Clearfield tolerant sunflower
1 Reaction indicated is to Races 2, 3, and 4 under controlled indoor conditions.
2 Reaction indicated is to Race 2.
3 Reaction to sclerotinia wilt (stem rot) is based on naturally infested fields.

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seeded sunflower acres in 2008 as reported by MASC were 110,017 acres of confections and 71,274 acres of oils.

The NSAC appreciates the hard work of the MAFRI Oilseed Specialist, Anastasia Kubinec, who compiled the data for the trials. As well, a big thank you goes to Keystone Grain Ltd. for providing seed sizing services and to Agriculture and Agri-Food Canada-Morden for providing the oil data. In addition, we appreciate the hard work of all the contractors who plant, monitor and harvest the plots throughout the growing season.

SUNFLOWERS - NON-OIL TYPE

Yield Comparisons

		2008 Yield: lbs/acre					
Variety	2008 Average Yield	Carman	MacGregor	Medora	Minto	Morden	Oak Bluff
05EXP01	2355	928	3187	2738	3513	2103	1663
6946	2746	2259	3133	2538	2889	3294	2362
Dahlgren 9530	2480	1516	2765	2399	3374	2904	1923
Dahlgren 9532	2405	1670	2426	2454	3110	2708	2060
IS 8048	2247	1515	2341	2319	2734	2547	2028
IS 8135	2504	1736	3261	2036	3123	2747	2122
Jaguar *	2425	1587	2832	1942	3485	2700	2003
RH 1121	2418	1263	2717	2511	3021	3051	1945
X4407 (Panther)	2616	1929	3059	2439	3104	2732	2431
Grand Mean	2466	1568	2857	2387	3111	2749	2040
CV%		15.8	10.9	13.5	8.9	9.4	13.6
LSD (lbs/acre)		424	533	-	472	442	-
Sign Diff		Yes	Yes	No	Yes	Yes	No

* indicates Clearfield tolerant sunflower

SUNFLOWERS – NON-OIL TYPE

Sizing Comparisons

Variety	2008 Sizing Average			Carman			MacGregor			Medora			Minto		
	% Seed over Screen														
	18/64	20/64	22/64	18/64	20/64	22/64	18/64	20/64	22/64	18/64	20/64	22/64	18/64	20/64	22/64
05EXP01	5	15	80	1	4	95	3	11	86	1	4	95	9	30	61
6946	22	37	41	14	35	51	18	32	51	11	36	52	26	40	34
Dahlgren 9530	16	32	52	10	26	65	23	35	42	11	22	67	7	15	78
Dahlgren 9532	25	36	39	10	31	59	30	49	21	16	33	51	10	34	56
IS 8048	22	33	44	15	28	57	23	39	38	15	25	60	15	33	52
IS 8135	9	25	66	3	12	85	6	19	75	5	16	79	14	44	42
Jaguar *	10	23	66	2	16	82	9	31	60	5	10	85	17	29	54
RH 1121	11	20	69	3	8	89	15	21	64	6	16	78	22	40	38
X4407 (Panther)	16	31	53	8	30	62	20	39	41	5	11	84	13	31	56
Grand Mean	15	28	57	7	21	71	16	31	53	9	19	72	15	33	52

* indicates Clearfield tolerant sunflower

SUNFLOWERS - OIL TYPE

Comments:
Trial locations for 2008 were Carman, MacGregor, Melita, Minto and Morden.
Disease resistance, maturity, height, and %oil ratings are taken from results gathered during the Manitoba Sunflower Committee Co-op Performance Testing
These varieties were tested and data donated by the National Sunflower Association of Canada Inc.

Variety Descriptions

					Registratilon Data (Manitoba Sunflower Committee)						
								Resistance to :			
Company	Variety	Yield (lb/acre)		%Oil	Days to Maturity	Days to Maturity	Height (inches)	Rust[1]	Verticillium Wilt	Downey[2] Mildew	Sclerotinia[3] Wilt
		2008	2007								
HIGH OLEIC SUNFLOWERS											
Dow AgroSciences	8H288DM	2459	-	50.2	118	122	63	HS	MR	R	S
Dow AgroSciences	8H350DM	2276	-	46.8	121	124	70	HS	MR	R	S
Seeds 2000	Defender HO	-	2994	-	116	119	68	HS	MR	R	S
NUSUN SUNFLOWERS (MID OLEIC TYPE)											
CROPLAN Genetics	3080 DMR, NS	2390	3016	49.4	128	126	67	HS	MR	R	MS
Pioneer Hi-Bred	63M40	2623	2986	43.8	123	123	63	S	MR	MS	S
Pioneer Hi-Bred	63M80	2564	2818	49.9	122	122	71	S	R	R	MS
Dow AgroSciences	8N358CL *	2428	-	46.7	124	128	66	HS	MR	MS	S
Seeds 2000	Defender Plus	2640	2745	44.5	126	123	66	HS	MR	HR	S
Interstate Seed	IS 3433 NS/DM	2432	-	47.7	118	122	64	HS	MR	MR	MS
Interstate Seed	IS 6131 NS/DM	2546	-	49.4	116	120	61	MR	MR	MR	MS
Seeds 2000	Viper *	2221	2571	40.9	119	123	63	HS	MR	MS	MS
Overall Average (lbs/acre)		2457	2855	46.9							
Site Years		5	3	5							

* indicates Clearfield tolerant sunflower
1 Reaction indicated is to Races 2, 3, and 4 under controlled indoor conditions.
2 Reaction indicated is to Race 2.
3 Reaction to sclerotinia wilt (stem rot) is based on naturally infested fields.

	Morden			Oak Bluff		
	18/64	20/64	22/64	18/64	20/64	22/64
	10	23	66	8	15	76
	33	42	23	29	38	33
	27	43	28	18	50	32
	50	37	10	31	31	38
	43	40	12	21	33	46
	14	42	41	9	18	73
	23	43	32	4	11	85
	13	23	62	7	11	82
	30	46	22	18	27	55
	27	38	33	16	26	58

SUNFLOWERS - OIL TYPE

Yield Comparisons

		2008 Yield: lbs/acre				
Variety	2008 Average Yield	Carman	MacGregor	Medora	Minto	Morden
8H288DM	2459	1360	2562	2193	2937	3244
8H350DM	2276	1224	2159	2509	2720	2766
3080 DMR	2390	1749	2179	2407	2805	2808
63M40	2623	1762	3143	1958	3000	3252
63M80	2564	1386	2666	2015	2935	3819
8N358CL *	2428	1570	2511	1887	3094	3079
Defender Plus	2640	1792	2800	2557	2891	3158
IS 3433 NS/DM	2432	1481	2215	-	2995	3036
IS 6131 NS/DM	2546	1636	2711	-	2831	3006
Viper *	2221	854	2252	2044	3377	2579
Grand Mean	2457	1481	2520	2232	2959	3075
CV%		9.0	12.8	12.9	10.7	6.0
LSD (lbs/acre)		227	552	-	-	317
Sign Diff		Yes	Yes	No	No	Yes

* indicates Clearfield tolerant sunflower

SUNFLOWERS - OIL TYPE						
% Oil Comparisons						
Variety	2008 Average Oil	Carman	MacGregor	Medora	Minto	Morden
8H288DM	50.2	48.2	52.5	49.5	49.5	51.1
8H350DM	46.8	41.4	48.5	47.0	49.0	48.0
3080 DMR	49.4	49.4	50.5	49.4	49.8	48.1
63M40	43.8	43.4	45.5	41.2	43.4	45.5
63M80	49.9	49.1	51.6	49.5	48.9	50.5
8N358CL *	46.7	44.7	45.2	44.6	49.7	49.4
Defender Plus	44.5	44.7	47.6	43.2	42.4	44.6
IS 3433 NS/DM	47.7	45.2	47.8	48.3	48.8	48.6
IS 6131 NS/DM	49.4	46.9	53.0	-	48.3	49.4
Viper *	40.9	34.2	41.1	41.8	44.6	42.9
Grand Mean	46.9	44.7	48.3	46.0	47.4	47.8
* indicates Clearfield tolerant sunflower						

Ag-Chieve
Favorable Ag Marketing Solutions

Ag-Chieve Adds Online Resource Centre to its Grain Marketing Advisory Services

A new online resource centre featuring weekly audiovisual market commentaries and daily web TV segments on grain marketing topics is the latest offering from Winnipeg based Ag-Chieve Corporation, a grain marketing advisory firm subscribed to by hundreds of farmers across Alberta,Saskatchewan and Manitoba.

Founded in 2002, by David Drozd with just a dozen clients, Ag-Chieve Corporation has grown quickly since then and now employs a staff of 14, including 7 full time Grain Marketing Advisors.

"Our purpose at Ag-Chieve is to assist and empower Canadian farmers and help them make informed grain marketing decisions when it comes time to sell their crops. We know every farm and farmer is unique so we tailor our advice to meet their specific needs and help them be more successful in their business and in their lives," says Drozd, a former grain farmer turned commodities broker, now Senior Grain Marketing Analyst for the company.

Ag-Chieve's new online resource centre will allow farmers to access the information they need whenever they need it, whether it be early morning, dinner time, or the middle of the night—all via a secure user name and password protected web portal.

"We know the electronic services we're launching will never replace the personalized one-on-one service that our Grain Marketing Advisors currently deliver to our clients," says Drozd, "but we do think the new services are a step in the right direction allowing clients greater access to information in easy-to-use formats, like video, any time that is convenient for them."

Visit Ag-Chieve online at www.ag-chieve.ca for additional information.