

Manitoba Agriculture, Food and Rural Initiatives

GROWING Opportunities

# Reduce Cropping Risks by Making the Most of Seed Manitoba

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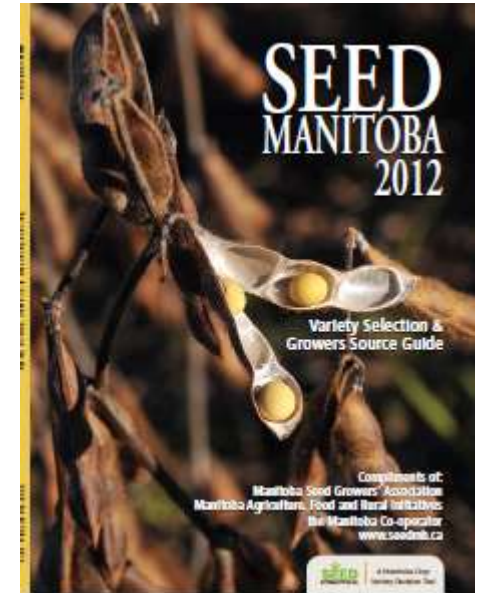
*Manitoba Agriculture, Food & Rural Initiatives*

Crops Knowledge Centre, Carman



# Outline

- Introduction
- Where Does the Information Come From?
- Reading the Tables
- Online Tools
  - [www.seedmb.ca](http://www.seedmb.ca)
  - Seed Interactive ([www.seedinteractive.ca](http://www.seedinteractive.ca))
- Summary & Questions



# Sorting Through the Data

- Yield is based on the genetic potential and environmental conditions in which the crop is grown
- Farmers should select those varieties that perform well not only in their area but across experimental sites and years
  - **Use long-term, multi-site data to select the best, yield-stable varieties**
  - This will increase the likelihood that given next years environment (which cannot be controlled) the variety selected will perform well
- But don't forget about the agronomic package
  - maturity, standability, disease package

# Data Provided by:

- **MCVET – Manitoba Crop Variety Evaluation Team/Trials**
  - Spring Wheat, Winter Wheat, Barley, Oats, Flax, Peas, Industrial Hemp
- **Commodity Groups**
  - Manitoba Pulse Growers Association
    - Soybeans: Western MB Adaptation, Natto, Conventional & Roundup Ready
    - Fababeans
    - Field Beans: Western MB Adaptation & Wide Row
    - Lentils
  - Canola Council of Canada - Canola Performance Trials
  - National Sunflower Association of Canada Inc.
  - Manitoba Corn Committee
  - Manitoba Forage Council

	Barley	Oats	Wheat	Winter Wheat	Soybeans	Soybeans Western Adaptation	Sunflowers	Peas	Edible Beans	Fababeans
Arborg	✓	✓	✓	✓	✓			✓	✓	✓
Beausejour		✓	✓	✓	✓			✓		✓
Bolshevik		✓	✓	✓		✓		✓		✓
Carberry		✓		✓		✓		✓		✓
Carman		✓		✓	✓			✓		✓
Crandall		✓		✓		✓		✓		✓
Dauphin	✓	✓	✓	✓		✓		✓		✓
Hamiota	✓	✓	✓	✓		✓		✓		✓
Melita	✓	✓	✓	✓		✓		✓		✓
Minto		✓		✓		✓	✓	✓		✓
Morden		✓		✓	✓		✓	✓		✓
Morris		✓		✓	✓			✓		✓
Neepawa	✓	✓	✓	✓		✓		✓		✓
Portage	✓	✓	✓	✓	✓	✓		✓		✓
Reston		✓		✓		✓		✓		✓
Roblin		✓		✓		✓		✓		✓
Rosebank	✓	✓	✓	✓	✓			✓		✓
Souris	✓	✓	✓	✓		✓		✓		✓
St Adolphe	✓	✓	✓	✓	✓			✓		✓
Stonewall	✓	✓	✓	✓	✓			✓		✓
Thornhill	✓	✓	✓	✓		✓		✓		✓
Winnipeg		✓		✓		✓		✓		✓

- 2011 Crop Testing Matrix

- > 8200 plots!

- Spring wheat – 1053
- Oat – 468
- Barley – 957
- Soybean - >2300

# July/August/September/October

- Plot Tours
- Harvest
- Samples cleaned, weighed and sub-sampled
- Samples sent for quality testing (protein, oil)
- Data sent to Craig Linde for data analysis
- Internal data review meeting
- MCVET team data review
  - Presentation of ANOVA tables, overall data summaries
  - Accept/Reject data

# Mid October - November

- Data inputted into database (MCPIQ)
  - Long term data averages → Commodity Specialists
- Commodity groups – their own process
- Tables created (& other info) → sent to FBC
- Proofing – 2<sup>nd</sup> week of November
- FBC inserts ads, etc & shipped to printers end of 3<sup>rd</sup> week of November
- First copies arrive the Friday before the launch

# SPRING WHEAT

## New for 2012

Variety	Class	Code	Breeder	Distributor	Seed Availability
5604HR CL	CWRS	BW878	Syngenta	Viterra	2011, Limited
CDC Stanley	CWRS	BW880	Crop Development Centre	Viterra	2011, Limited
CDC Utmost VB	CWRS	BW883	Crop Development Centre	FP Genetics	2012
Vesper VB	CWRS	BW415	AAFC (Winnipeg)	SeCan	2013
SY985	CPSR	HY985	Syngenta	Viterra & Richardson Pioneer	2013
Pasteur	CWGP	GP032	Wiersum Plant Breeding	SeCan	2012

### Varieties that have been supported for registration

CWRS	BW433	Syngenta
CWHWS	HW024	AAFC (Winnipeg)

### Comments:

The Canadian Grain Commission advises that the following wheat varieties belonging to the Canada Prairie Spring White (CPSW) class were deregistered effective April 28, 2011: **Snowwhite 475** and **Snowwhite 476**. Effective August 1, 2011, these varieties will only be eligible for the grade Wheat, Canada Western Feed.

The Canadian Grain Commission advises that the following wheat variety belonging to the Canada Western Red Spring (CWRS) class will be deregistered effective August 1, 2013: **Garnet**. After August 1, 2013, this variety will only be eligible for the grade Wheat, Canada Western Feed.

Producers are strongly encouraged to use a combination of the Canadian Food Inspection Agency's List of Registered Varieties ([www.inspection.gc.ca](http://www.inspection.gc.ca)) and the Canadian Grains Commission's Variety Designation Lists ([www.grainscanada.gc.ca](http://www.grainscanada.gc.ca)) to determine the registration and grade eligibility status of varieties.

### Variety Descriptions

Variety	Yield % Check	Site Years Tested	Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Spike Awned	Resistance Level:						
							Lodging	Loose Smut	Common Bunt	Leaf Spots	Stem Rust	Leaf Rust	Fusarium <sup>2</sup> Head Blight
<b>Canada Western Red Spring (% of AC Barrie)</b>													
5602HR	111	89	0.3	1	0	Y	F	R	MR	I	R	R	MR
5603HR	111	28	-0.2	2	0	Y	G	MS	I	MR	MR	R	I

### Yield Comparisons

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of AC Barrie									
			Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
<b>Canada Western Red Spring</b>												
5604HR CL	103	11	81	103	145	109	92	104	107	87	90	118
AC Barrie	100	11	100	100	100	100	100	100	100	100	100	100
Carberry	103	11	101	127	154	105	79	99	84	106	92	104
CDC Kernen	101	11	91	104	123	90	101	97	127	109	92	107
CDC Stanley	99	11	85	104	103	98	92	101	109	101	98	110
CDC Thrive	101	11	91	104	123	90	101	97	127	109	92	107
CDC Utmost VB	111	11	85	111	184	108	121	106	130	106	104	107
Glenn	115	2	—	—	—	—	—	—	—	—	99	—
Goodeve VB	106	11	115	107	175	91	98	94	108	87	89	125
KANE	101	11	83	111	133	107	90	94	108	91	86	117
Muchmore	106	11	93	126	121	112	82	102	80	104	99	131
Shaw VB	109	11	102	110	165	103	110	103	113	109	99	118
Stettler	99	11	100	111	103	105	95	86	87	102	94	114
Unity VB	112	11	103	105	186	109	106	108	136	103	101	117
Vesper VB	119	11	106	117	195	109	116	128	130	112	102	116
WR859 CL	103	11	88	114	157	103	83	104	91	106	94	109
<b>Canada Prairie Spring Red</b>												
Conquer VB	121	11	134	132	176	104	132	90	121	126	99	126
SY985	111	11	125	129	110	109	98	98	106	115	87	129
<b>Canada Western Soft White Spring</b>												
Sadash	131	11	152	147	210	139	139	102	107	134	113	96
<b>Canada Western General Purpose</b>												
CDC NRG003	117	11	133	118	130	120	112	104	124	106	101	114
Minnedosa	112	11	114	116	131	105	110	100	104	106	97	128
NRG010	126	11	119	133	175	117	129	111	135	129	106	142
Pasteur	134	11	156	146	200	121	144	120	143	150	120	107
<b>Varieties that have been supported for registration</b>												
<b>Canada Western Red Spring</b>												
BW433	100	10	80	116	117	107	89	100	107	97	86	113
<b>Canada Western Hard White Spring</b>												
HW024	92	9	88	93	146	93	79	92	95	—	84	95
CHECK YIELD	AC Barrie (bu/ac)	61	60	22	71	57	49	38	44	61	60	60
	CV%	10.1	3.0	8.2	3.7	7.8	5.4	7.9	6.6	3.9	8.6	8.6
	LSD%	17	6	20	7	13	9	14	12	6	16	16
	Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

# SPRING WHEAT (continued)

Variety	Yield % Check	Site Years Tested	Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Spike Awned	Resistance Level:						
							Lodging	Loose Smut	Common Bunt	Leaf Spots	Stem Rust	Leaf Rust	Fusarium <sup>2</sup> Head Blight
Unity VB	113	52	-0.3	0	0	Y	F	MS	R	I	MR	R	I
Vesper VB	119	15	0.1	0	-1	Y	G	I	S	I	MR	R	I
Waskada	107	42	0.0	1	2	Y	F	MR	R	MS	R	I	MR
WR859 CL	106	39	0.0	0	-3	Y	G	R	R	MS	MR	R	MR
<b>Canada Prairie Spring Red</b>													
5700PR	113	36	-1.1	3	-6	Y	VG	MS	R	MS	R	MR	S
5702PR	112	30	-1.9	1	-4	Y	VG	MS	I	I	I	MR	MS
AC Crystal	104	25	—	4	-4	Y	VG	I	R	S	R	MS	S
AC Taber	113	26	—	5	-4	Y	VG	MS	R	MS	R	I	S
Conquer VB	111	27	-1.6	2	-1	Y	G	MS	R	I	R	MR	MS
SY985	112	15	-0.8	2	-6	Y	G	R	MR	I	R	R	I
<b>Canada Prairie Spring White</b>													
AC Vista	120	31	—	2	-4	Y	VG	S	R	MS	R	MS	S
<b>Canada Western Extra Strong</b>													
Burnside	101	50	0.0	-1	2	N	G	R	I	MS	R	R	S
CDC Rama	107	45	-0.1	0	3	Y	G	R	R	MR	R	MR	I
CDN Bison	111	37	-0.9	1	-2	Y	G	R	I	I	R	MR	I
Glencross VB	107	41	-0.5	0	3	N	G	R	I	MS	R	MR	S
Glenlea	106	36	—	0	4	N	G	R	I	MR	R	I	MS
<b>Canada Western Hard White Spring</b>													
Snowbird	104	96	-0.7	0	0	N	G	MR	MS	MS	MR	I	I
Snowstar	110	36	-1.1	-1	-4	N	VG	MS	S	MS	R	MR	MS
<b>Canada Western Soft White Spring</b>													
AC Andrew	121	30	-3.8	4	-4	Y	VG	S	S	—	MR	S	I
Sadash	124	35	-3.8	4	-2	Y	VG	MS	S	—	R	S	S
<b>Canada Western General Purpose</b>													

### Protein Comparisons

Variety	2011 Average % Protein	Site Years Tested	2011 % Protein									
			Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
<b>Canada Western Red Spring</b>												
5604HR CL	14.9	11	13.0	14.9	15.6	14.5	16.1	13.9	16.3	13.2	14.5	15.6
AC Barrie	14.6	11	12.7	14.7	16.2	14.7	15.3	13.7	15.8	13.5	12.6	15.4
Carberry	15.1	11	12.9	14.9	15.3	16.0	16.4	14.5	16.8	14.9	13.5	15.8
CDC Kernen	15.0	11	13.1	15.0	16.0	15.4	16.3	14.6	15.5	14.3	13.5	15.3
CDC Stanley	15.0	11	12.5	14.7	15.7	15.6	16.4	14.2	16.0	14.1	13.8	15.4
CDC Thrive	14.8	11	12.7	14.8	16.3	15.1	15.8	14.0	16.1	13.9	12.4	15.5
CDC Utmost VB	14.8	11	12.4	14.6	15.1	15.5	15.4	14.4	15.4	14.5	13.7	15.5
Glenn	14.8	2	—	—	—	—	—	—	—	—	13.7	—
Goodeve VB	15.1	11	12.1	15.3	15.8	16.1	15.8	14.2	16.2	14.1	13.9	16.3
KANE	14.9	11	13.2	14.6	15.5	15.2	16.3	14.4	15.4	14.5	13.5	15.4
Muchmore	14.5	11	12.4	14.3	15.4	14.6	15.9	13.5	16.6	14.3	12.6	14.9
Shaw VB	14.5	10	12.1	14.2	15.3	15.3	15.6	14.0	15.5	14.1	12.9	15.7
Stettler	15.1	11	12.6	15.1	16.2	15.0	16.2	14.4	16.4	13.7	13.8	15.5
Unity VB	14.5	11	12.2	14.2	15.4	15.1	14.1	15.3	14.2	12.5	15.2	15.2
Vesper VB	14.7	11	12.5	14.7	15.2	15.9	14.9	14.3	15.6	14.1	13.1	15.5
WR859 CL	14.7	11	12.4	14.8	15.4	15.1	16.1	14.8	16.1	13.6	12.9	15.5
<b>Canada Prairie Spring Red</b>												
Conquer VB	13.0	11	11.8	13.6	14.5	12.7	12.8	13.8	12.6	12.3	12.5	12.8
SY985	14.0	11	12.8	13.8	15.2	14.1	14.8	14.3	14.8	12.6	12.8	13.9
<b>Canada Western Soft White Spring</b>												
Sadash	11.5	10	—	11.8	11.6	11.3	11.0	11.3	10.7	12.6	11.7	10.9
<b>Canada Western General Purpose</b>												
CDC NRG003	13.1	11	11.3	13.4	14.1	13.5	14.0	12.2	14.2	13.0	11.3	13.6
Minnedosa	13.2	11	11.5	13.5	14.1	13.4	14.0	12.4	14.2	12.7	11.9	13.7
NRG010	12.4	11	10.8	12.3	13.6	12.6	13.3	11.9	13.2	11.8	10.9	12.6
Pasteur	12.7	11	10.9	12.9	13.6	13.0	13.3	12.7	12.6	12.0	11.7	12.9
<b>Varieties that have been supported for registration</b>												
<b>Canada Western Red Spring</b>												
BW433	14.9	10	12.6	15.7	16.2	15.2	16.2	13.7	16.1	13.9	13.5	16.1
<b>Canada Western Hard White Spring</b>												
HW024	14.1	9	12.1	13.8	14.8	15.3	15.5	13.2	15.5	—	11.4	15.1

# Top Portion of Table

## SPRING WHEAT

*New for 2012*

Variety	Class	Code	Breeder	Distributor	Seed Availability
5604HR CL~	CWRS	BW878	Syngenta	Viterra	2011, Limited
CDC Stanley~	CWRS	BW880	Crop Development Centre	Viterra	2011, Limited
CDC Utmost VB~	CWRS	BW883	Crop Development Centre	FP Genetics	2012
Vesper VB~	CWRS	BW415	AAFC (Winnipeg)	SeCan	2013
SY985~	CPSR	HY985	Syngenta	Viterra & Richardson Pioneer	2013
Pasteur	CWGP	GP032	Wiersum Plant Breeding	SeCan	2012
<b>Varieties that are being tested or proposed for registration</b>					
	CWRS	BW433~	Syngenta		
	CWHWS	HW024~	AAFC (Winnipeg)		

### Comments:

The Canadian Grain Commission advises that the following wheat varieties belonging to the Canada Prairie Spring White (CPSW) class were deregistered effective April 28, 2011: **Snowwhite 475** and **Snowwhite 476**. Effective August 1, 2011, these varieties will only be eligible for the grade Wheat, Canada Western Feed.

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Producers are strongly encouraged to use a combination of the Canadian Food Inspection Agency's **List of Registered Varieties** ([www.inspection.gc.ca](http://www.inspection.gc.ca)) and the Canadian Grains Commission's **Variety Designation Lists** ([www.grainscanada.gc.ca](http://www.grainscanada.gc.ca)) to determine the registration and grade eligibility status of varieties.





# Example Calculation

- The relative yield comparison at multiple sites is calculated as the actual average yield of the variety at those sites vs the actual average yield of the check at those same sites.

Location	Yield (kg/ha)	Yield (kg/ha)
	CDC Seabiscuit	Leggett
Arborg	4421.65	5229.63
Beausjour	4276.19	3807.15
Boissevain	4027.05	3650.00
Dauphin	5490.37	5509.65
Hamiota	6718.66	6067.61
Neepawa	3738.15	3435.48
Rosebank	4814.93	4980.28
Souris	4471.96	4121.62
St. Adolphe	5322.51	4962.71
Stonewall	3033.02	2741.34
Thornhill	5682.73	5104.86
Winnipeg	4950.63	4530.64
<b>Average of 12 sites</b>	<b>4745.65</b>	<b>4511.75</b>
<b>Yield Relative to Check</b>	<b>105</b>	

# Reading the 2011 Yield Results

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of Leggett			
			Arborg	Beausejour	Boissevain	Dauphin
Bradley~	105	13	89	118	124	101
CDC Big Brown~	99	13	90	117	89	108
CDC Minstrel~	111	13	111	127	123	108
CDC ProFi	97	11	88	116	119	95
CDC Seabiscuit~	105	12	85	112	110	100
Furlong~	100	2	-	-	-	-
Leggett~	100	13	100	100	100	100
Summit~	111	13	108	97	147	97
Triactor~	104	2	-	-	-	-
<b>Varieties that are being tested or proposed for registration</b>						
OT2069~	104	12	97	107	98	112
<b>CHECK YIELD</b>	<b>Leggett (bu/ac)</b>		137	100	96	145
	CV %		4.1	4.6	4.7	5.4
	LSD %		7	9	13	-
	Sign Diff		Yes	Yes	Yes	No

- CV% = Coefficient of Variation
  - measures amount of variation caused by factors not uniform over an entire site (15%)
- Sign Diff = Significant Difference
  - YES – variety yields at that site are truly different
  - NO – varieties all yielded the same at that site
- LSD% = Least Significant Difference
  - percentage the varieties must differ by before their yields are significantly different

# An Example

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % c	
			Arborg	Boissevain
<b>Canada Western Red Winter</b>				
CDC Buteo	95	6	102	101
CDC Falcon	100	6	100	100
Flourish~	99	6	96	103
McClintock~	98	6	102	99
Moats~	102	6	104	97
<b>Canada Western General Purpose</b>				
Accipiter~	103	6	107	100
Broadview~	106	6	107	111
CDC Ptarmigan	94	6	104	115
Peregrine~	105	6	106	104
Sunrise	101	6	99	111
<b>Varieties that are being tested or proposed for registration</b>				
<b>Canada Western Red Winter</b>				
DH00W31N*34	106	6	100	87
<b>Canada Western General Purpose</b>				
DH99W18I*45	110	6	100	90
DH99W19H*16	102	6	110	109
<b>CHECK YIELD</b>	<b>CDC Falcon (bu/ac)</b>		68	61
	CV %		6.1	4.8
	LSD %		-	12
	Sign Diff		No	Yes

Comparing to CDC Falcon:

$$100 + 12 = 112$$

$$100 - 12 = 88$$

Comparing to Moats:

$$97 + 12 = 109$$

$$97 - 12 = 85$$



# If We Take a Closer Look

Variety	2011 Average Yield	Site Years Tested	Boissevain
<b>Canada Western Red Spring</b>			
5604HR CL~	103	11	145
AC Barrie~	100	11	100
Carberry~	103	11	154
CDC Kernen~	101	11	123
CDC Stanley~	99	11	103
CDC Thrive~	101	11	123
CDC Utmost VB~	111	11	184
Glenn~	115	2	-
Goodeve VB~	106	11	175
KANE~	101	11	133
Muchmore~	106	11	121
Shaw VB~	109	11	165
Stettler~	99	11	103
Unity VB~	112	11	186
Vesper VB~	119	11	195
WR859 CL~	103	11	157

- CV
- Check Yield – 22bu/ac
- 95% increase = 43 bu/ac

CHECK YIELD	AC Barrie (bu/ac)	
	CV%	8.2
	LSD%	20
	Sign Diff	Yes

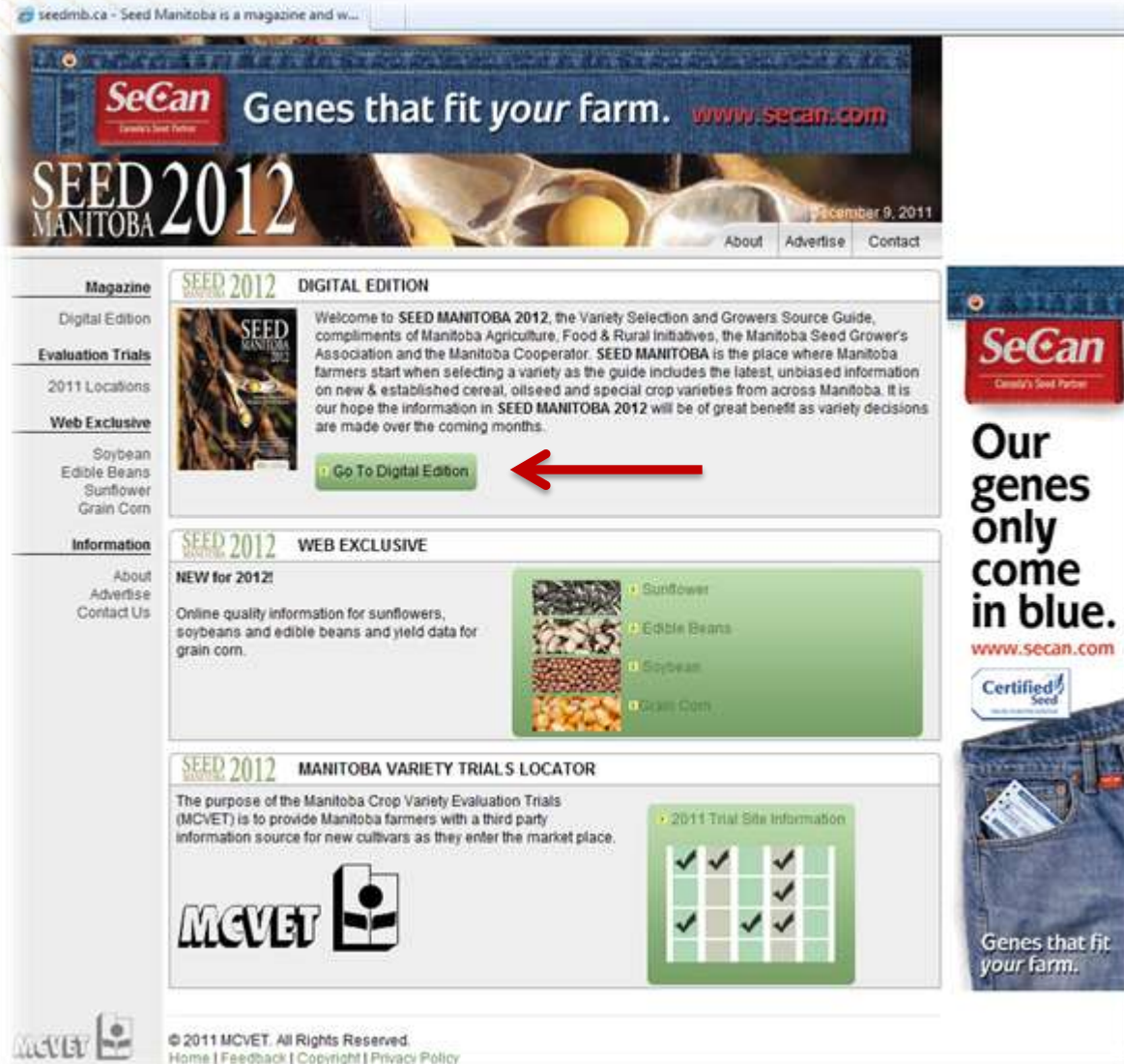
# Protein Comparison Table

Variety	2011 Average % Protein	Site Years Tested	2011 % Protein					
			Arborg	Boissevain	Carman	Roblin	Stonewall	Winnipeg
<b>Canada Western Red Winter</b>								
CDC Buteo	10.9	6	10.0	12.0	12.4	11.4	11.1	8.4
CDC Falcon	11.1	6	10.1	11.9	12.4	11.8	11.4	8.9
Flourish~	11.3	6	10.1	12.4	12.6	11.8	11.5	9.3
McClintock~	11.5	6	9.8	13.1	13.2	11.6	11.6	9.9
Moats~	11.5	6	9.8	12.5	13.1	12.0	12.1	9.7
<b>Canada Western General Purpose</b>								
Accipiter~	10.8	6	9.3	11.8	12.3	11.4	11.4	8.7
Broadview~	10.6	6	9.6	11.7	11.9	11.3	10.7	8.3
CDC Ptarmigan	9.3	6	7.7	10.8	10.1	9.8	9.5	7.6
Peregrine~	10.8	6	9.9	12.3	12.3	10.9	11.1	8.5
Sunrise	10.2	6	8.6	11.7	10.7	11.3	10.8	8.1
<b>Varieties that are being tested or proposed for registration</b>								
<b>Canada Western Red Winter</b>								
DH00W31N*34	11.2	6	9.7	12.2	13.0	11.8	11.7	8.8
<b>Canada Western General Purpose</b>								
DH99W18I*45	11.1	6	10.3	11.8	12.2	11.9	11.5	9.1
DH99W19H*16	11.2	6	9.8	12.7	12.2	12.3	11.6	8.3

# Commodity Editors:

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- Anastasia Kubinec – Canola, Flax, Mustard
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- Dennis Lange – Soybeans, Edible Beans, Field Peas
  - Email: [dennis.lange@gov.mb.ca](mailto:dennis.lange@gov.mb.ca)
- Glenn Friesen – Forages
  - Email: [glenn.friesen@gov.mb.ca](mailto:glenn.friesen@gov.mb.ca)
- Patti Cuthbert – MCVET Coordinator
  - Email: [patti.cuthbert@gov.mb.ca](mailto:patti.cuthbert@gov.mb.ca)

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**SEED 2012 DIGITAL EDITION**

Welcome to **SEED MANITOBA 2012**, the Variety Selection and Growers Source Guide, compliments of Manitoba Agriculture, Food & Rural Initiatives, the Manitoba Seed Grower's Association and the Manitoba Cooperator. **SEED MANITOBA** is the place where Manitoba farmers start when selecting a variety as the guide includes the latest, unbiased information on new & established cereal, oilseed and special crop varieties from across Manitoba. It is our hope the information in **SEED MANITOBA 2012** will be of great benefit as variety decisions are made over the coming months.

[Go To Digital Edition](#)

**SEED 2012 WEB EXCLUSIVE**


**NEW for 2012!**

Online quality information for sunflowers, soybeans and edible beans and yield data for grain corn.

- Sunflower
- Edible Beans
- Soybean
- Grain Corn

**SEED 2012 MANITOBA VARIETY TRIALS LOCATOR**

The purpose of the Manitoba Crop Variety Evaluation Trials (MCVET) is to provide Manitoba farmers with a third party information source for new cultivars as they enter the market place.

**MCVET** 

2011 Trial Site Information

✓	✓	✓
✓	✓	✓
✓	✓	✓

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December 7, 2011

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## Soybean

### "2011 Data Coming Soon"

#### Conventional and Natto Soybean - 2010

- [Summary of Conventional Soybean by Location & by Variety](#)
- [Summary of Natto Soybean by Location & by Variety](#)
- [Arborg](#)
- [Carman](#)
- [Morden](#)
- [Portage](#)
- [Rosebank](#)
- [StAdolphe](#)
- [Stonewall](#)

#### Roundup Ready Soybean - 2010

- [Summary by Location & by Variety](#)
- [Arborg](#)
- [Beausejour](#)
- [Morden](#)
- [Morris](#)
- [Portage](#)
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## MCVET Field Trial Locations 2011

Field trial locations for 2011 are listed below. Please click on town for site details including plot plans [PDF format]. In order to navigate the PDF documents you will require Acrobat Reader version 8 or higher. [Click here](#) to download latest version of Acrobat Reader.

**Cereal Crops**

**Oilseed Crops**

**Pulses**

	Barley	Oats	Wheat	Winter Wheat	Soybeans	Soybeans Western Adaptation	Sunflowers	Peas	Edible Beans	Fababeans
Arborg	✓	✓	✓	✓	✓			✓	✓	✓
Beausejour		✓	✓		✓					
Boissevain		✓	✓	✓		✓				
Carberry						✓				
Carman				✓	✓					
Crandall				✓						
Dauphin	✓	✓	✓					✓		
Hamiota	✓	✓	✓			✓				
Melita	✓	✓	✓			✓		✓		✓
Minto							✓			
Morden					✓		✓	✓		
Morris					✓					
Neepawa	✓	✓	✓							



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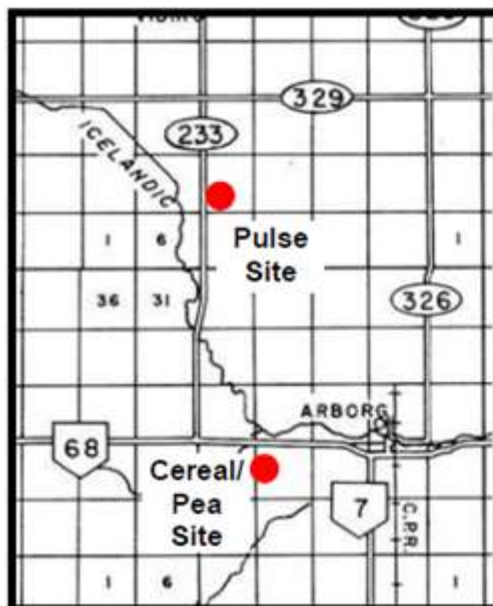
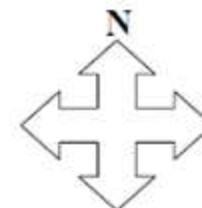


## MANITOBA CROP VARIETY EVALUATION TRIALS (MCVET) 2011

**Location: Arborg** ([Click on red dot to view detailed site layout](#))

❖ [Site Map – Cereal/Pea Site](#)

❖ [Site Map – Pulse Site](#)



### Directions:

**Cereal/Pea Site:** From the junction of Hwy 7 and Hwy 68 in Arborg, travel west on Hwy #68 for 2 miles. Then turn south on RD 8E. Plots on the east side of the road, across the ditch.

**Pulse Site:** From the junction of Hwy 68 and Provincial Road 233, travel north for four miles along Provincial Road 233. Turn east and the plots are located on the north side of the road.

If you have any questions regarding the MCVET plots please feel free to contact the appropriate person from the list below:

#### Johnson Seed

Eric Klassen  
Pulse Agronomist  
PH: 204-453-2514

#### PESAI

Roger Burak  
MAFRI Technician  
PH: 204-641-4640

#### MCVET

Craig Linde  
Interim MCVET Coordinator  
PH: 204-841-4712

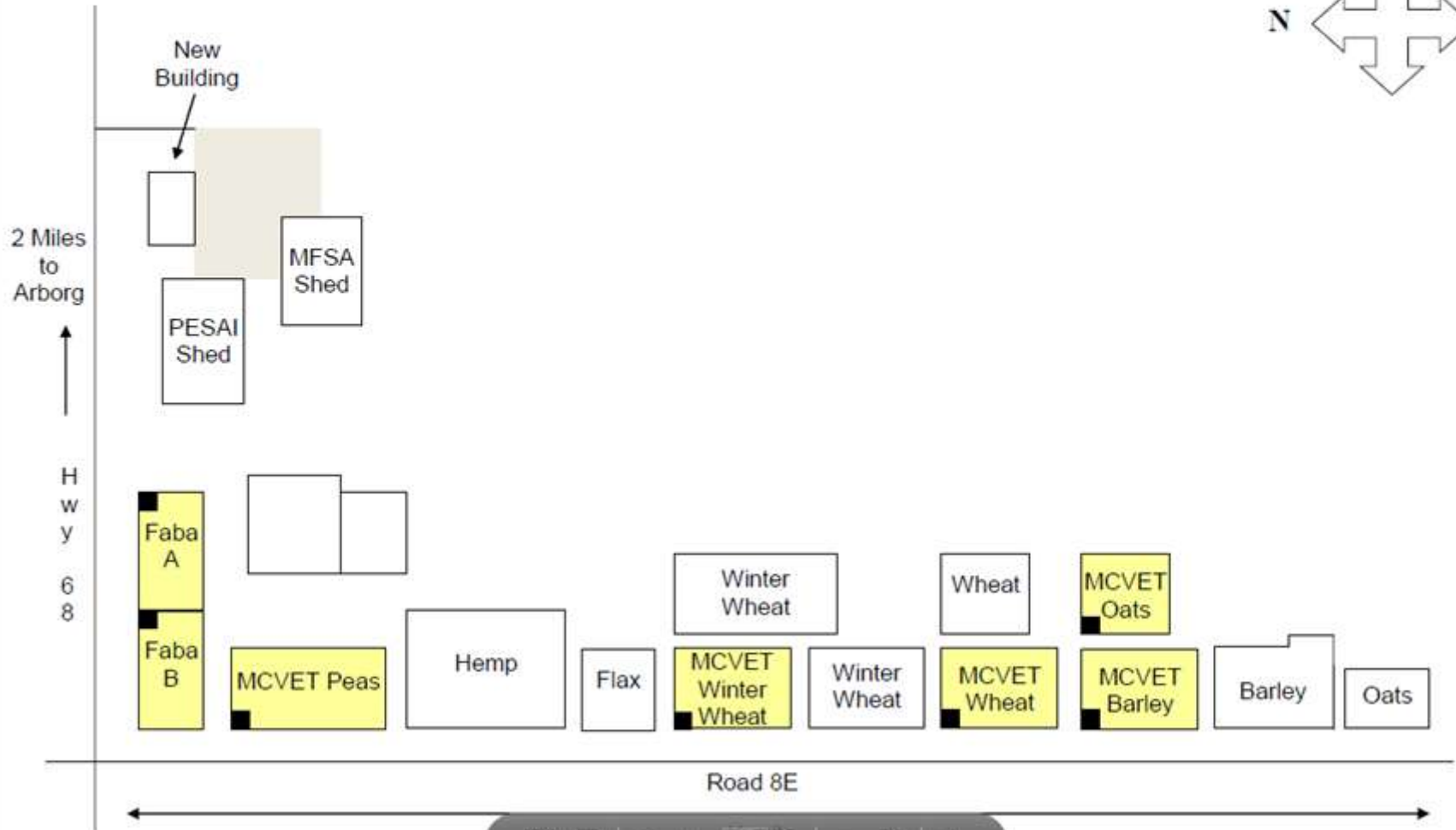
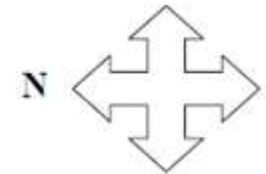
#### Crops Knowledge Centre

Monika Menold or Heather Wiebe  
Extension Co-ordinator – Industry Focus  
PH: 204-745-5663

# MANITOBA CROP VARIETY EVALUATION TRIALS (MCVET) 2011

Location: **Arborg – Cereal/Pea/Fababean Site** ([click on trial to see detailed variety map](#))

■ Indicates Plot 101

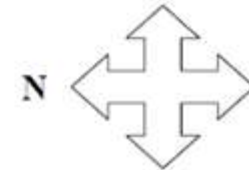


Back To Site  
Layout

Back To  
Crop/Location  
Chart

MANITOBA CROP VARIETY EVALUATION TRIALS (MCVET) 2011

Location: Arborg – Wheat



Guard	Conquer VB	Vesper VB	Guard	Guard
101	102	201	301	302
5603HR	HY985	HY985	Pasteur	Pasteur
Sadash	CDC NRG003	CDC NRG003	HY985	HY985
103	203	204	303	304
HW024	5603HR	5603HR	Sadash	Sadash
104	204	205	305	306
Kane	Minnedosa	Minnedosa	5604HR CL	5604HR CL
105	205	206	Muchmore	Muchmore
Stettler	Carberry	Carberry	5603HR	5603HR
CDC Utmost VB	Sadash	Sadash	NRG010	NRG010
107	207	208	307	308
HY985	Shaw VB	Shaw VB	WR859 CL	WR859 CL
108	208	209	309	310
AC Barrie	Goodeve VB	Goodeve VB	Shaw VB	Shaw VB
109	209	210	311	312
Muchmore	AC Barrie	AC Barrie	Kane	Kane
110	210	211	313	314
Minnedosa	Conquer VB	Conquer VB	CDC Stanley	CDC Stanley
111	211	212	315	316
5604HR CL	CDC Thrive	CDC Thrive	CDC Utmost VB	CDC Utmost VB
112	212	213	317	318
CDC Thrive	NRG010	NRG010	Goodeve VB	Goodeve VB
113	213	214	319	320
Goodeve VB	Pasteur	Pasteur	CDC NRG003	CDC NRG003
114	214	215	321	322
WR859 CL	CDC Utmost VB	CDC Utmost VB	Stettler	Stettler
115	215	216	323	324
BW433	HW024	HW024	CDC Thrive	CDC Thrive
116	216	217	325	326
CDC Kernen	Muchmore	Muchmore	Vesper VB	Vesper VB
117	217	218	327	328
Carberry	5604HR CL	5604HR CL	HW024	HW024
118	218	219	329	330
NRG010	BW433	BW433	Carberry	Carberry
119	219	220	331	332
CDC NRG003	CDC Stanley	CDC Stanley	AC Barrie	AC Barrie
120	220	221	333	334
Pasteur	CDC Kernen	CDC Kernen	BW433	BW433
121	221	222	335	336
CDC Stanley	WR859 CL	WR859 CL	Unity VB	Unity VB
122	222	223	337	338
Vesper VB	Unity VB	Unity VB	Minnedosa	Minnedosa
123	223	224	339	340
Unity VB	Kane	Kane	Conquer VB	Conquer VB
124	224	225	341	342
Unity VB	Stettler	Stettler	Guard	Guard
125	225	226	343	344
Shaw VB	Guard	Guard		
126	226	227		
Guard				

Seeding date  
May 20, 2011

# Now Available!!



[www.seedinteractive.ca](http://www.seedinteractive.ca)

- **SEED INTERACTIVE** was created to improve Manitoba's grain producers' competitive ability by providing them an online decision tool to help make variety choices for their farms.
- The biggest advantage of **SEED INTERACTIVE** is it allows producers to tailor output taking into consideration their own agronomic and management requirements.



### Seed Interactive

Your Progress  30%

- ▶ Crop Category: Cereal 
- ▶ Crop Type: Wheat 
- ▼ Choose Report Type 

[Variety Characteristics »](#) [Yield Comparison »](#) 

### Built-in sclerotinia protection.

Make it easy.



### Protects the Best

Don't take our word for it. Hear from growers like you.



 Liberty

 Rollover

▶ Report Type: Variety Characteristics

▼ Choose Check Variety

▶ Most Commonly Grown

CWRS

- 5602HR
- AC Barrie
- AC Domain
- CDC Go
- Glenn
- Harvest
- KANE
- Superb

CWSWS

- AC Andrew

▼ Current and New

CPSR

- 5700PR
- 5702PR
- AC Crystal
- AC Taber
- Conquer VB\*
- HY985\*

CPSW

- AC Vista

CWES

- Burnside
- CDC Rama
- CDN Bison
- Glencross VB
- Glenlea

CWGP

- CDC NRG003\*
- Minnedosa
- NRG010\*

CWHWS

- Snowbird
- Snowstar

CWRS

- 5603HR
- AC Cadillac
- AC Cora
- AC Intrepid
- AC Splendor
- Alvena
- BW878\*
- Carberry\*
- CDC Abound
- CDC Imagine
- CDC Kernen\*
- CDC Teal
- CDC Thrive\*
- Fieldstar VB
- Goodeve VB
- Infinity
- Lovitt
- McKenzie
- Muchmore\*
- Shaw VB\*
- Somerset
- Stettler
- Unity VB
- Vesper VB\*
- Waskada
- WR859 CL

→ Most Commonly Grown category will give you the largest dataset which increases the reliability of the generated report

- ▶ Crop Category: **Cereal** ?
- ▶ Crop Type: **Wheat** ?
- ▶ Report Type: **Variety Characteristics** ?
- ▶ Check Variety: **KANE** ?
- ▼ Choose Varieties: ?

<b>CPSR</b>		
<input type="checkbox"/> 5702PR	<input type="checkbox"/> Conquer VB	<input type="checkbox"/> HY985
<b>CWES</b>		
<input type="checkbox"/> Glencross VB	<input type="checkbox"/> Burnside	<input type="checkbox"/> CDN Bison
<b>CWGP</b>		
<input type="checkbox"/> Minnedosa	<input type="checkbox"/> NRG010	<input type="checkbox"/> CDC NRG003
<b>CWHWS</b>		
<input type="checkbox"/> Snowbird	<input type="checkbox"/> Snowstar	
<b>CWRS</b>		
<input type="checkbox"/> 5602HR	<input type="checkbox"/> CDC Abound	<input type="checkbox"/> WR859 CL
<input type="checkbox"/> AC Barrie	<input type="checkbox"/> Fieldstar VB	<input type="checkbox"/> BW878
<input type="checkbox"/> Alvena	<input type="checkbox"/> Goodeve VB	<input type="checkbox"/> Carberry
<input type="checkbox"/> CDC Go	<input type="checkbox"/> Unity VB	<input type="checkbox"/> Muchmore
<input type="checkbox"/> Harvest	<input type="checkbox"/> Waskada	<input type="checkbox"/> Shaw VB
<input type="checkbox"/> Infinity	<input type="checkbox"/> 5603HR	<input type="checkbox"/> CDC Kernen
<input type="checkbox"/> Somerset	<input type="checkbox"/> Glenn	<input type="checkbox"/> CDC Thrive
<input type="checkbox"/> Superb	<input type="checkbox"/> Stettler	<input type="checkbox"/> Vesper VB
<b>CWSWS</b>		
<input type="checkbox"/> AC Andrew	<input type="checkbox"/> Sadash	

**Bold** - Newest varieties gaining popularity in Manitoba (contact distributor for seed availability)  
 \* - Just registered or in final stages of registration - seed limited.

[Run Report »](#)

→ Ability to compare multiple varieties



## Variety Characteristics

Your Progress  100%

Crop Category: Cereal  
 Crop Type: Wheat  
 Check Variety: KANE



- Yield
- Agronomics
- Disease Resistance
- Other Information



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Variety	Site Years Tested	Yield (% of check)	Protein (+/- of check)	
KANE		100	14.6	
5603HR	26	104	-0.2	✘
WR859 CL	26	101	-0.1	✘



**Print** **Export**



Seed Interactive

Your Progress 45%

- ▶ Crop Category: Cereal
- ▶ Crop Type: Wheat
- ▶ **Report Type: Yield Comparison**
- ▼ Choose Locations

- Arborg
- Beausejour
- Boissevain
- Brandon
- Dauphin
- Glenlea
- Hamiota
- Melita
- Neepawa
- Rosebank
- Souris
- Starbuck
- Ste Adolphe
- Stonewall
- Thornhill
- Transcona
- Treherne

Select/Deselect All

Continue »



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**PROTECTOR**  
SCLEROTINIA

**Protects the Best**

Liberty

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**Rollover**

- ▶ Crop Category: **Cereal** ?
- ▶ Crop Type: **Wheat** ?
- ▶ Report Type: **Yield Comparison** ?
- ▶ **3 Locations Selected** ?
- ▶ Check Variety: **KANE** ?
- ▼ Choose Variety: ?

**CPSR**

- 5702PR
- Conquer VB
- HY985

**CWES**

- Glencross VB
- Burnside
- CDN Bison

**CWGP**

- Minnedosa
- NRG010
- CDC NRG003

**CWHWS**

- Snowbird
- Snowstar

**CWRS**

- 5602HR
- AC Barrie
- Alvena
- CDC Go
- Harvest
- Infinity
- Somerset
- Superb
- CDC Abound
- Fieldstar VB
- Goodeve VB
- Unity VB
- Waskada
- 5603HR
- Glenn
- Stettler
- WR859 CL
- BW878
- Carberry
- Muchmore
- Shaw VB
- CDC Kernen
- CDC Thrive
- Vesper VB

**CWSWS**

- AC Andrew
- Sadash

**Bold** - Newest varieties gaining popularity in Manitoba (contact distributor for seed availability)  
 \* - Just registered or in final stages of registration - seed limited.


Run Report »

→ Ability to only compare two varieties

### Site / Year Yield Comparison

Your Progress  100%

Crop Category: Cereal  
Crop Type: Wheat  
Check Variety: KANE

Report Display: Varieties by Year 

- Varieties by Year
- Varieties by Locations
- Varieties by Locations and Years

Display Yield as  pounds/acre  bushel/acre



#1 in yield.  
15 years running.

InVigor

Hear what real growers say about always having home field advantage  Rollover

			Yield by Year (Averaged over all Selected Locations)		
Variety	Yield Averaged Over all Years	Number of Site Years of Data	2010	2009	2008
KANE	100		100	100	100
WR859 CL	102	7	101	101	111

Print


Export



### Site / Year Yield Comparison

Your Progress  100%

Crop Category: Cereal  
 Crop Type: Wheat  
 Check Variety: KANE

Report Display: Varieties by Locations 

Display Yield as:  % check  kilogram/hectare  pounds/acre  bushel/acre 



[More »](#)

Variety	Yield Averaged Over all Locations	Boissevain	Melita	Souris
KANE	100	100	100	100
WR859 CL	102	107	102	96

[Print](#) [Export](#)

## Site / Year Yield Comparison

Your Progress  100%

Crop Category: Cereal  
Crop Type: Wheat  
Check Variety: KANE

Report Display: **Varieties by Locations and Years**

Display Yield as:  % check  kilogram/hectare  pounds/acre  bushel/acre



**#1 in yield.  
15 years running.**

**InVigor**

Hear what real growers say about  
always having home field advantage **Rollover**

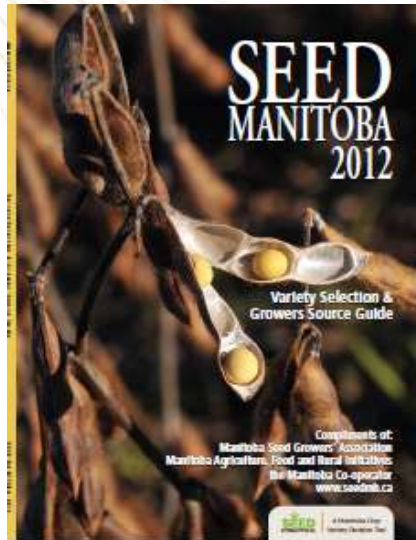
Location	Variety	Average % Check	2010	2009	2008
Boissevain	KANE	100	100	100	100
Boissevain	WR859 CL	107	100	110	111
Melita	KANE	100	100	100	-
Melita	WR859 CL	102	100	103	-
Souris	KANE	100	100	100	-
Souris	WR859 CL	96	103	91	-

Print

Export

# Summary

- Suite of tools available to producers
  - Seed Manitoba guide
  - [www.seedmb.ca](http://www.seedmb.ca)
  - Seed Interactive
- Multi-site data important for yield evaluations
- Agronomics & end market
- Improved variety selection can reduce cropping risks increasing productivity & profitability



# Questions?

**Pam de Rocquigny**

**Provincial Cereal Crops Specialist**

**Manitoba Agriculture, Food & Rural Initiatives**

204.745.5676

[pamela.derocquigny@gov.mb.ca](mailto:pamela.derocquigny@gov.mb.ca)

