

# 2008 CEREAL GUIDE TO CULTIVAR & PESTICIDE SELECTION

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## 2-ROW BARLEY – 2008 RECOMMENDATION – 3 YEAR AVERAGE (2005-2007)

Cultivar	Relative yield (%)	Yield (t/ha)	Station Yield						Maturity (days after planting)	Lodging (0-9) <sup>1</sup>	Test Weight (kg/hL)
			Hartland NB		Truro NS		Harrington PEI				
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank			
<b>COVERED BARLEY</b>											
AC QUEENS	100	4.08	3.55	2	4.79	3	3.83	1	102	3	65
AC STERLING	98	3.98	3.51	3	4.81	2	3.59	3	104	3	66
ISLAND	103	4.19	3.72	1	5.07	1	3.79	2	103	3	65
<b>Average</b>	<b>100</b>	<b>4.08</b>	<b>3.59</b>		<b>4.89</b>		<b>3.74</b>				
<b>HULLESS BARLEY</b>											
AC ALBERTE		3.06	2.75		3.79		2.64		106	3	74
Cultivar	Distributor	Height (cm)	1000 Kernel Weight (g)	Threshability (0-9) <sup>2</sup>	Disease Resistance (0-9) <sup>3</sup>						
					Net/Spot Blotch	Scald	Powdery Mildew	Fusarium Head Blight/DON			
<b>COVERED BARLEY</b>											
AC QUEENS	Meadowbrook	91	47	2	4	3	1	2			
AC STERLING	SeCan	86	44	1	3	3	1	2			
ISLAND	Terio Seeds	89	44	1	3	2	0	2			
<b>HULLESS BARLEY</b>											
AC ALBERTE	Semican	81	42	2	4	4	0	2			

## 6-ROW BARLEY – 2008 RECOMMENDATION – 3 YEAR AVERAGE (2005-2007)

Cultivar	Relative yield (%)	Yield (t/ha)	Station Yield						Maturity (days after planting)	Lodging (0-9) <sup>1</sup>	Test Weight (kg/hL)
			Hartland NB		Truro NS		Harrington PEI				
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank			
AC ALMA	96	4.46	3.85	6	5.47	8	4.11	8	97	1	60
AC <sup>®</sup> ENCORE <sup>P</sup>	106	4.95	4.08	3	5.82	3	4.90	1	104	1	59
AC KLINCK	100	4.66	3.71	7	5.54	7	4.66	5	104	1	60
AC LEGEND	107	5.01	4.31	1	5.88	2	4.85	3	99	1	61
AC MAPLE	99	4.62	3.58	9	5.63	6	4.60	6	100	1	60
AC WESTECH <sup>OC</sup>	92	4.29	3.92	5	5.13	9	3.89	10	99	2	62
CHAMBLY <sup>P</sup>	99	4.61	3.62	8	5.72	4	4.47	7	102	1	62
CHAPAIS <sup>OC</sup>	91	4.24	3.39	10	5.47	8	3.91	9	99	1	59
SYNASOLIS <sup>P</sup>	109	5.09	4.14	2	6.24	1	4.89	2	102	1	61
YIELDER <sup>P</sup>	103	4.80	4.00	4	5.66	5	4.72	4	99	1	61
<b>Average</b>	<b>100</b>	<b>4.67</b>	<b>3.86</b>		<b>5.66</b>		<b>4.50</b>				
Cultivar	Distributor	Height (cm)	1000 Kernel Weight (g)	Threshability (0-9) <sup>2</sup>	Disease Resistance (0-9) <sup>3</sup>						
					Net/Spot Blotch	Scald	Powdery Mildew	Fusarium Head Blight/DON			
AC ALMA	Grand Falls Milling	90	40	3	2	3	4	4			
AC <sup>®</sup> ENCORE <sup>P</sup>	SeCan	99	42	5	3	3	n/a	4			
AC KLINCK	SeCan	96	46	2	3	3	n/a	4			
AC LEGEND	SeCan	79	43	3	2	2	3	3			
AC MAPLE	Co-op Atlantic	74	38	3	3	2	2	4			
AC WESTECH <sup>OC</sup>	Grand Falls Milling	91	38	2	2	4	2	3			
CHAMBLY <sup>P</sup>	Grand Falls Milling	88	46	3	2	3	n/a	3			
CHAPAIS <sup>OC</sup>	SeCan	82	41	2	3	4	3	4			
SYNASOLIS <sup>P</sup>	Tério Seeds	91	40	3	2	2	n/a	3			
YIELDER <sup>P</sup>	Co-op Atlantic	100	42	4	2	3	n/a	4			

- 0 = no lodging; 9= fully lodged
  - 0 = threshes well; 9= threshes poorly
  - 0 = resistant; 9= highly susceptible (based on multiple tests & years)
- n/a: not available

**P= Provisional:** New cultivar that shows strong yield/agronomic traits  
**OC=Out-Classed:** cultivar that is now out performed by newer ones and/or pedigreed seed is no longer available, and as a result, may be removed from the recommended list.

**OAT – 2008 RECOMMENDATION – 3 YEAR AVERAGE (2005-2007)**

Cultivar	Relative yield (%)	Yield (t/ha)	Station Yield						Maturity (days after planting)	Lodging (0-9) <sup>1</sup>	Test Weight (kg/hl)
			Hartland NB		Truro NS		Harrington PEI				
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank			
<b>COVERED OAT</b>											
AC RIGODON	100	3.94	3.42	4	4.52	3	3.94	4	109	5	44
CAPITAL	101	3.97	3.46	3	4.54	2	3.98	3	110	5	44
DOMINGO	97	3.85	3.36	5	4.29	4	3.94	4	109	5	43
NOVA	103	4.08	3.58	2	4.87	1	3.92	5	109	5	47
SYNEXTRA <sup>P</sup>	102	4.01	3.61	1	4.23	5	4.17	2	109	5	47
TRIPLE CROWN	97	3.83	3.26	6	3.98	6	4.18	1	109	5	42
<b>Average</b>	<b>100</b>	<b>3.95</b>	<b>3.45</b>		<b>4.41</b>		<b>4.02</b>				
<b>HULLESS OAT</b>											
AC BATON	97	2.53	2.28	2	3.20	1	2.25	2	110	4	54
AC ERNIE	103	2.68	2.54	1	2.95	2	2.63	1	109	4	55
<b>Average</b>	<b>100</b>	<b>2.60</b>	<b>2.41</b>		<b>3.07</b>		<b>2.44</b>				

Cultivar	Distributor	Height (cm)	1000 Kernel Weight (g)	Hull (%)	Seed Color	Disease Resistance (0-9) <sup>2</sup>	
						Septoria	Fusarium Head Blight /DON
<b>COVERED OAT</b>							
AC RIGODON	SeCan	112	34	26	White	5	2
CAPITAL	SeCan	107	30	24	White	6	2
DOMINGO	Co-op Atlantic	116	32	25	White	5	2
NOVA	SeCan	114	30	26	White	6	2
SYNEXTRA <sup>P</sup>	Semican	120	34	24	White	6	2
TRIPLE CROWN	Co-op Atlantic	111	31	27	White	5	2
<b>HULLESS OAT</b>							
AC BATON	SeCan	108	30	2	White	5	2
AC ERNIE	C & M Seeds	107	25	2	White	5	2

**SPRING WHEAT (Hard Red) – 2008 RECOMMENDATION – 3 YEAR AVERAGE (2005-2007)**

Cultivar	Relative yield (%)	Yield (t/ha)	Station Yield						Maturity (days after planting)	Lodging (0-9) <sup>1</sup>
			Hartland NB		Truro NS		Harrington PEI			
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank		
<b>FEED</b>										
AC HARTLAND	99	3.89	3.38	3	4.93	3	3.50	3	107	3
AC <sup>®</sup> NASS	105	4.09	3.53	1	5.16	1	3.70	2	108	1
BELVEDERE <sup>OC</sup>	90	3.50	3.22	4	4.74	4	2.78	4	108	2
HOFFMAN	106	4.15	3.52	2	4.99	2	3.98	1	107	1
<b>Average</b>	<b>100</b>	<b>3.91</b>	<b>3.41</b>		<b>4.96</b>		<b>3.49</b>			
<b>MILLING</b>										
AC HELENA	105	4.10	3.70	1	4.94	1	3.78	2	107	2
AC WALTON <sup>OC</sup>	93	3.65	3.28	3	4.43	3	3.33	3	108	1
BROOKFIELD	102	3.97	3.43	2	4.68	2	3.83	1	109	1
<b>Average</b>	<b>100</b>	<b>3.91</b>	<b>3.47</b>		<b>4.68</b>		<b>3.65</b>			

Cultivar	Distributor	Milling quality <sup>3</sup>	Height (cm)	Test Weight (kg/hL)	1000 Kernel Weight (g)	Disease resistance (0-9) <sup>2</sup>		
						Septoria	Powdery mildew	Fusarium Head Blight/DON
<b>FEED</b>								
AC HARTLAND	Terio Seeds	Feed	108	73	32	4	0	6
AC <sup>®</sup> NASS	SeCan	Feed	110	76	34	3	0	3
BELVEDERE <sup>OC</sup>	CSGA	Feed	106	73	33	4	3	5
HOFFMAN	Co-op Atlantic	Feed	112	75	39	4	0	4
<b>MILLING</b>								
AC HELENA	Meadowbrook	Strong Blend	105	76	36	4	1	4
AC WALTON <sup>OC</sup>	SeCan	Strong Blend	107	73	34	4	1	4
BROOKFIELD	Grand Falls Milling	Strong Blend	110	76	32	3	0	5

1. 0= no lodging; 9=fully lodged  
2. 0= resistant; 9=highly susceptible

3. The market preference is high for Self-Bakers, medium for strong blends and low for medium blends with a grain protein of 13.5%.

**P= Provisional:** New cultivar that shows strong yield/agronomic traits.

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**WINTER WHEAT – 2008 RECOMMENDATION – 3 YEAR AVERAGE (2005-2007)**

Cultivar	Relative yield (%)	Yield (t/ha)	Station Yield								Winter survival (%)	Maturity (days from April 30 <sup>th</sup> )
			Hartland NB		Canning NS		Truro NS		Harrington PEI			
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank		
<b>FEED</b>												
<b>Hard Red</b>												
AC GRANDVIEW	101	4.88	3.52	4	4.73	2	6.38	4	3.67	1	88	66
AC WINSLOE	97	4.72	4.58	1	4.33	3	6.63	2	3.08	4	89	64
<b>Soft Red</b>												
FREEDOM	97	4.69	4.33	2	4.25	4	6.40	3	3.31	3	85	66
PIONEER 25R47	106	5.12	4.28	3	5.08	1	6.97	1	3.35	2	84	65
<b>Average</b>	<b>100</b>	<b>4.85</b>	<b>4.18</b>		<b>4.60</b>		<b>6.60</b>		<b>3.35</b>			
<b>MILLING – Hard Red</b>												
AC SAMPSON		4.71	5.03		4.64		6.24		3.29		88	66
Cultivar	Distributor	Milling quality <sup>3</sup>	Lodging (0-9) <sup>1</sup>	Height (cm)	Test Weight (kg/hL)	1000 Kernel Weight (g)	Disease resistance (0-9) <sup>2</sup>					
							Septoria	Powdery mildew	Fusarium Head Blight			
<b>FEED</b>												
<b>Hard Red</b>												
AC GRANDVIEW	Nabuurs	Feed	2	110	76	32	3	2	4			
AC WINSLOE	Nabuurs	Feed	3	89	75	36	4	1	4			
<b>Soft Red</b>												
FREEDOM	Minas Seeds	Feed	2	96	73	32	4	2	3			
PIONEER 25R47	Pioneer	Feed	1	86	74	35	4	3	4			
<b>MILLING</b>												
AC SAMPSON	Meadowbrook	Strong Blend	2.4	96	74	36	4	3	5			

- 0= no lodging; 9=fully lodged
- 0= resistant; 9=highly susceptible
- The market preference is high for Self-Bakers, medium for strong blends and low for medium blends with a grain protein of 13.5%.

**P= Provisional:** New cultivar that shows strong yield/agronomic traits.  
**OC=Out-Classed:** cultivar that is now out performed by newer ones and/or pedigreed seed is no longer available, and as a result, may be removed from the recommended list.

**CULTIVAR DISTRIBUTORS**

C & M Seeds R.R.#3, 6180 Line Minto 5 Palmerston, ON N0G 2P0 Toll Free: 1 (888) REDWHEAT Tel: (519) 343-2126 Fax: (519) 343-3792 Website: <a href="http://www.redwheat.com">www.redwheat.com</a> e-mail: <a href="mailto:info@redwheat.com">info@redwheat.com</a>	Co-op Atlantic Agriculture Division P.O. Box 750 123 Halifax St. Moncton, NB E1C 8N5 Tel: (506) 858-6356 Fax: (506) 858-6470 Website: <a href="http://www.co-opcountry.com">www.co-opcountry.com</a>	CSGA Members (All pedigreed seed grown in the Maritimes are by members of the Canadian Seeds Growers Association) P. O. Box 8455, Suite 202 240 Catherine St. Ottawa, ON K1G 3T1 Tel: (613) 236-0497 Fax: (613) 563-7855 Website: <a href="http://www.seedgrowers.ca">http://www.seedgrowers.ca</a>	Grand-Falls Milling 45, CN Road P.O. Box 7001 Grand-Falls, NB E3Z 2L1 Tel: (506) 475-8040 Fax: (506) 473-4466
Meadowbrook Farms Box 3113 Charlottetown, PEI C1A 7N9 Tel: (902) 628-9292 Fax: (902) 892-3403	Minas Seeds Box 130 Canning, NS B0P 1H0 Tel: (902) 582-3346	Nabuurs Seeds RR # 6 Cardigan, PEI C0A 1G0 Tel: (902) 583-2893	Pioneer Hi-Bred Ltd. 318 Pleasant Valley Road RR#2 Berwick, NS B0P 1E0 Tel: (902) 680-0243 Fax: (902) 538-3623
SeCan Members (Most Registered Seed Establishments are SeCan members) SeCan Association 501-300 March Road Kanata, Ontario K2K 2E2 Toll free: 1-800-764-5487/ Tel: (613) 592-8600 Fax: (613) 592-9497 Website: <a href="http://www.secan.com">http://www.secan.com</a> e-mail: <a href="mailto:seed@secan.com">seed@secan.com</a>	Semican Atlantic 366, Rang 10 Plessisville, PQ G6L 2Y2 Tel: (819) 362-8823 Fax: (819) 362-3385	Tério Seeds 250, 3 <sup>rd</sup> Tier Road LSD of Drummond, NB E3Y 2V2 Tel: (506) 473-6661 Toll free : 1 866 473-6661 Cell: (506) 473-0939 Fax: (506) 473-6606 e-mail: <a href="mailto:stlseed@arnet.ca">stlseed@arnet.ca</a>	

*This information is produced through the joint efforts of the New Brunswick Department of Agriculture and Aquaculture, the Prince Edward Island Department of Agriculture, Fisheries and Aquaculture, the Agriculture and Agri-Food Canada Crops and Livestock Research Centre (Charlottetown, PEI), the Nova Scotia Crop Development Institute and the New Brunswick Soil & Crop Improvement Association.*

*\*Note: cultivar listings may vary between provinces.*



## 2008 SEED TREATMENTS<sup>1</sup>

### Registered for on-farm seed treatment

COMMON NAME	PRODUCT NAME <sup>1</sup>	Wheat						Barley						Oats			
		Seedling blight	Root rot	Powdery mildew	Septoria (on seed)	Loose smut	Damping off	Seedling blight	Root rot	Net blotch	Leaf stripe	Smut	Damping off	Seedling blight	Root rot	Smut	Damping off
Carbathiin + Thiram	VITAFLO 280	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Difenoconazole + Metalaxyl-M	DIVIDEND XL RTA	+	+		+	+	+	+	+			+	+	+	+	+	+
Tebuconazole + Thiram	RAXIL T	+	+		+	+	+	+	+			+	+	+	+	+	+
Triadimenol	BAYTAN 30		+	+		+			+	+	+	+		NR			
Triticonazole	CHARTER	+	+			+		+	+			+				+	
Triticonazole + Thiram	GEMINI	+	+			+	+	+	+			+	+			+	

1. List of products is not exhaustive. Additional seed treatments are registered for use in commercial seed treatment facilities. These seed treatments are available to producers by purchasing pre-treated seed. NR = Not Registered for use on this crop (+) Denotes effective control or suppression

## 2008 CEREAL FOLIAR FUNGICIDES<sup>1</sup>

COMMON NAME	PRODUCT NAME <sup>1</sup>	FORMULATION	Wheat				Barley				Oats		PRE - HARVEST INTERVAL (days)	
			Powdery mildew	Fusarium head blight	Septoria	Rust	Fusarium head blight	Net blotch	Spot blotch	Scald	Septoria	Rust		
Mancozeb	DITHANE	SG			+	+	NR				NR		40	
Propiconazole	BUMPER/TILT/PIVOT	EC	+		+	+		+	+	+	+	+	+	45
Propiconazole + Trifloxystrobin	STRATEGO	EC	+		+	+		+	+	+	+	+	+	45
Prothioconazole	PROLINE	SC		+	+	+	+		+	+	+		NR	30
Pyraclostrobin	HEADLINE	EC	+		+	+		+	+	+	+		+	40
Tebuconazole	FOLICUR	F	+	+	+	+	NR				NR		36	
Trifloxystrobin	FLINT	WG	+		+	+	NR				NR		45	

1. List of products is not exhaustive NR - Not Registered for use on this crop (+) Denotes effective control or suppression  
 SC - suspension concentrate; SG - soluble granules; EC - emulsifiable concentrate; F - Flowable; WG - wettable granules

**NOTE: ALWAYS READ PESTICIDE LABEL BEFORE USING THE PRODUCT.**

Current labels can be found on the Pest Management Regulatory Agency (PMRA) web site:  
[http://pr-rp.pmra-arla.gc.ca/portal/page?\\_pageid=34,17551&\\_dad=portal&\\_schema=PORTAL](http://pr-rp.pmra-arla.gc.ca/portal/page?_pageid=34,17551&_dad=portal&_schema=PORTAL)

## 2008 INSECT PEST CONTROL RECOMMENDATIONS FOR CEREALS

PEST	ACTIVE INGREDIENT	INSECTICIDE GROUP	TRADE NAME (list may not be exhaustive)	PRE - HARVEST INTERVAL (days) (Individual labels may vary)	CROP (use on crop with "+") (NR = not registered for this crop)			
					Wheat	Barley	Oats	Rye
Grain aphids	malathion	organophosphate (group 1B)	FYFANON 50 EC MALATHION 50 EC MALATHION 85 E MALATHION 500 E MALATHION 500 EC	7	+	+	+	+
Cereal leaf beetle	malathion	organophosphate (group 1B)	FYFANON 50 EC MALATHION 50 EC MALATHION 85 E MALATHION 500 E	7	+	+	+	+
	carbaryl	carbamate (group 1A)	SEVIN 50 W	(14: wheat, oats, rye) (28: barley)	+	+	+	+
Armyworm	malathion	organophosphate (group 1B)	FYFANON 50 EC MALATHION 85 E MALATHION 500 E MALATHION 500 EC	7	+	+	+	+
	malathion	organophosphate (group 1B)	MALATHION ULV CONCENTRATE MALATHION 95 ULV	7	+	+	+	NR
	carbaryl	carbamate (group 1A)	SEVIN 50 W SEVIN XLR SEVIN XLR PLUS	(14: wheat, oats, rye) (28: barley)	+	+	+	+
	carbaryl	carbamate (group 1A)	SEVIN SL	14	+	+	+	+
	chlorpyrifos	organophosphate (group 1B)	CLOREX 480 EC LORSBAN 4E NUFOS 4E PYRINEX 480 EC	60	+	+	+	NR
	methomyl	carbamate (group 1A)	LANNATE TOSS-N-GO	20	+	+	+	NR
	trichlorfon	organophosphate (group 1B)	DYLOX 80 SP DYLOX 420 L	21	+	+	+	NR

**Notes:** 1) A plus sign "+" denotes control or suppression. 2) To delay insecticide resistance: Where possible, rotate the use of an insecticide with insecticides in different groups that control the same pests in a field. 3) See label for quantity of product per litres of water. 4) See specific labels for specific rates. 5) Malathion works best at temperatures above 20 degrees Celsius. 6) Follow all instructions according to the label. Label instructions take precedence over this document. 7) NR = not registered.