

### 2-ROW BARLEY – 2014 RECOMMENDATIONS – 3 YEAR AVERAGE (2011-2013)

Cultivar	Relative Yield (%)	Yield (t/ha)	Station Yield								Straw Yield (t/ha)	Maturity (days after planting)	Lodging (0-9) <sup>1</sup>	Test Weight (kg/hl)
			Hartland, NB		Truro, NS		Canning, NS		Harrington, PEI					
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank				
AC QUEENS <sup>OC</sup>	96	4.20	3.11	3	4.97	6	4.92	6	3.84	5	n/a	89	1.8	64
CERVEZA <sup>*</sup>	101	4.42	2.70	5	5.43	2	5.40	1	4.14	3	n/a	90	1.6	58
ISLAND	97	4.25	3.12	2	5.04	5	5.01	5	3.86	4	n/a	89	1.6	64
LEADER	105	4.60	3.25	1	5.54	1	5.07	4	4.49	1	n/a	90	0.7	65
PANDORA <sup>P</sup>	101	4.42	3.10	4	5.27	4	5.17	2	4.15	2	n/a	88	1.5	65
SELENA <sup>P</sup>	98	4.28	3.10	4	5.29	3	5.11	3	3.72	6	n/a	88	2.0	64
<b>Average</b>		<b>4.36</b>	<b>3.06</b>		<b>5.26</b>		<b>5.11</b>		<b>4.03</b>					

Cultivar	Distributor	Height (cm)	1000 Kernel Weight (g)	Threshability (0-9) <sup>2</sup>	Disease Susceptibility				
					Net/Spot Blotch	Scald	Powdery Mildew	Smut	DON <sup>4</sup> (FHB) <sup>5</sup> (ppm)
AC QUEENS <sup>OC</sup>	Meadow Brook	89	47	n/a	3.2	4.3	2.2	n/a	0.8
CERVEZA <sup>*</sup>	Eastern Grains	76	40	n/a	2.0	2.8	0.8	n/a	0.9
ISLAND	Eastern Grains	86	45	n/a	3.1	3.8	0.9	n/a	0.6
LEADER	Eastern Grains	89	50	n/a	2.9	3.9	0.8	n/a	0.7
PANDORA <sup>P</sup>	Synagri	80	43	n/a	2.5	2.8	1.2	n/a	0.8
SELENA <sup>P</sup>	Co-op Atlantic/Agromart	74	45	n/a	3.7	4.1	1.3	n/a	0.6

\* Malting barley

### 6-ROW BARLEY – 2014 RECOMMENDATIONS – 3 YEAR AVERAGE (2011-2013)

Cultivar	Relative Yield (%)	Yield (t/ha)	Station Yield								Straw Yield (t/ha)	Maturity (days after planting)	Lodging (0-9) <sup>1</sup>	Test Weight (kg/hl)
			Hartland, NB		Truro, NS		Canning, NS		Harrington, PEI					
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank				
AC LEGEND	101	4.46	3.36	1	5.83	2	4.56	3	4.13	3	2.1	90	2.0	60
PEDIBELLE <sup>P</sup>	97	4.28	3.18	2	5.66	4	4.60	2	3.79	4	2.5	93	2.8	60
RHEA	103	4.53	2.98	4	5.84	1	4.64	1	4.59	1	2.9	94	0.7	61
SYNASOLIS	100	4.40	3.12	3	5.80	3	4.52	4	4.18	2	2.2	95	2.6	59
<b>Average</b>		<b>4.42</b>	<b>3.16</b>		<b>5.78</b>		<b>4.58</b>		<b>4.17</b>					

Cultivar	Distributor	Height (cm)	1000 Kernel Weight (g)	Threshability (0-9) <sup>2</sup>	Disease Susceptibility				
					Net/Spot Blotch	Scald	Powdery Mildew	Smut	DON <sup>4</sup> (FHB) <sup>5</sup> (ppm)
AC LEGEND	SeCan	71	42	n/a	2.3	2.9	2.6	n/a	1.5
PEDIBELLE <sup>P</sup>	Pedigrain	84	42	n/a	2.9	2.9	2.5	n/a	1.2
RHEA	Co-op Atlantic/Agromart	89	43	n/a	2.6	1.9	2.8	n/a	1.6
SYNASOLIS	Eastern Grains	84	38	n/a	2.4	1.9	3.4	n/a	1.5

1. 0 = no lodging; 9 = fully lodges

2. 0 = threshes well; 9 = threshes poorly

3. 0 = resistant; 9 = highly susceptible (based on multiples tests and years)

4. DON = Déoxynivalénol level expressed in ppm based on nursery trials from 2010 to 2012.

5. FHB = Fusarium Head Blight

\* Malting barley

**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

n/a = not available

Suggested changes for the 2015 Cereal Guide should be sent to the Editor, N.B. Dept. Agriculture, Aquaculture & Fisheries, P.O. Box 5001, Grand Falls, NB E3Z 1G1, by November 15, 2014

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\*Nota Bene: Cultivar listings may vary between provinces.

## SPRING WHEAT (Hard Red) – 2014 RECOMMENDATIONS – 3 YEAR AVERAGE (2011-2013)

Cultivar	Relative Yield (%)	Yield (t/ha)	Station Yield								Maturity (days after planting)	Lodging (0-9) <sup>1</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>												
HOFFMAN	104	3.85	3.05	1	3.54	1	5.12	1	3.66	1	102	3.2
NASS	96	3.58	2.68	2	3.30	2	5.08	2	3.27	2	102	4.3
<b>Average</b>		<b>3.72</b>	<b>2.87</b>		<b>3.42</b>		<b>5.10</b>		<b>3.47</b>			
<b>MILLING</b>												
AAC SCOTIA <sup>P</sup>	106	3.94	2.58	3	3.98	1	5.27	1	3.86	1	101	4
AC HELENA	98	3.64	2.72	1	3.54	2	4.91	4	3.39	4	101	4
FUZION <sup>P</sup>	100	3.72	2.64	2	3.27	3	5.26	2	3.66	2	101	4
MAJOR <sup>P</sup>	96	3.55	2.35	4	3.14	4	5.23	3	3.45	3	101	3
<b>Average</b>		<b>3.71</b>	<b>2.57</b>		<b>3.48</b>		<b>5.17</b>		<b>3.59</b>			

Cultivar	Distributor	Milling Quality <sup>3</sup>	Height (cm)	Test Weight (kg/hl)	1000 Kernel Weight (g)	Disease Susceptibility				
						Septoria	Powdery Mildew	Smut	Leaf Rust	DON <sup>4</sup> (FHB) <sup>5</sup> (ppm)
						(0-9) <sup>2</sup>				
<b>FEED</b>										
HOFFMAN	Co-op Atlantic	Feed	104	74	39	4.8	2.1	n/a	2.0	2.1
NASS	SeCan	Feed	102	74	31	4.4	1.5	n/a	3.0	1.4
<b>MILLING</b>										
AAC SCOTIA <sup>P</sup>	Semican	Strong Blend	108	75	36	4.5	0.7	n/a	1.3	0.9
AC HELENA	Meadow Brook	Strong Blend	98	73	34	4.4	0.6	n/a	6.3	2.3
FUZION <sup>P</sup>	Eastern Grains	Strong Blend	105	75	35	5.1	0.8	n/a	2.0	0.9
MAJOR <sup>P</sup>	Synagri	Medium Blend	101	75	34	4.3	0.4	n/a	0.7	1.0

## WINTER WHEAT – 2014 RECOMMENDATIONS – 3 YEAR AVERAGE (2011-2013)

Cultivar	Relative Yield (%)	Yield (t/ha)	Station Yield								Winter Survival (%)	Maturity (Days after May 31 <sup>st</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 – SOFT RED</b>												
EMMIT	100	5.14	3.78	1	5.59	1	6.78	1	3.96	1	87	56
<b>Average</b>		<b>5.14</b>	<b>3.78</b>		<b>5.59</b>		<b>6.78</b>		<b>3.96</b>			
<b>MILLING – HARD RED</b>												
AC SAMPSON	100	4.37	3.23	1	4.73	1	5.84	1	3.30	1	85	56
<b>Average</b>		<b>4.37</b>	<b>3.23</b>		<b>4.73</b>		<b>5.84</b>		<b>3.30</b>			

Cultivar	Distributor	Milling Quality <sup>3</sup>	Lodging (0-9)	Height (cm)	Test Weight (kg/hl)	1000 Kernel Weight (g)	Disease Susceptibility		
							Septoria	Powdery Mildew	DON <sup>4</sup> (FHB) <sup>5</sup> (ppm)
							(0-9) <sup>2</sup>		
<b>FEED – SOFT RED</b>									
EMMIT	BNE Sales Ltd.	Feed	1.2	95	74	36	5.5	4.2	0.4
<b>MILLING – HARD RED</b>									
AC SAMPSON	Meadow Brook	Strong Blend	1.4	99	73	37	4.9	3.0	0.6

1. 0 = no lodging; 9 = fully lodges

2. 0 = resistant; 9 = highly susceptible (based on multiples tests and years)

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%

4. DON = Déoxynivalénol level expressed in ppm based on nursery trials from 2010 to 2012.

5. FHB = Fusarium Head Blight

**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

n/a = not available

## OAT – 2014 RECOMMENDATIONS – 3 YEAR AVERAGE (2011-2013)

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 DIETER*	97	4.29	3.24	10	5.64	6	3.94	7	100	3.9	46
AC RIGODON	101	4.44	3.62	4	5.55	7	4.10	2	100	5.0	46
AVATAR <sup>P</sup>	100	4.43	3.47	6	5.70	5	4.07	4	101	5.3	47
CANMORE	103	4.53	3.65	3	5.73	4	4.18	1	100	4.7	48
CANTAL*	96	4.22	3.44	7	5.16	9	4.00	6	100	6.2	49
CDC ORRIN*	107	4.70	3.89	1	6.19	1	4.07	4	101	4.3	47
DOMINGO	98	4.30	3.38	8	5.36	8	4.09	3	100	3.1	45
NOVA <sup>OC</sup>	98	4.32	3.54	5	5.64	6	3.79	8	100	5.3	49
SHERWOOD*	100	4.41	3.72	2	5.87	3	3.72	9	100	5.1	46
TRIPLE CROWN	101	4.46	3.31	9	5.98	2	4.06	5	101	2.7	44
<b>Average</b>		<b>4.41</b>	<b>3.53</b>		<b>5.68</b>		<b>4.00</b>				
<b>HULLESS OAT</b>											
NAVARO	100	3.49	2.43	1	4.61	1	2.46	1	100	2	59
<b>Average</b>		<b>3.49</b>	<b>2.43</b>		<b>4.61</b>		<b>2.46</b>				

Cultivar	Distributor	Seed Colour	Height (cm)	1000 Kernel Weight (g)	Hull (%)	Disease Susceptibility	
						Septoria (0-9) <sup>2</sup>	DON <sup>3</sup> (FHB) <sup>4</sup> (ppm)
<b>COVERED OAT</b>							
AC DIETER*	SeCan	White	111	37	25	3.6	1.0
AC RIGODON	SeCan	White	112	35	27	3.7	1.0
AVATAR <sup>P</sup>	Eastern Grains	White	102	32	22	3.6	0.9
CANMORE	Semican	White	112	34	29	3.3	1.6
CANTAL*	Semican	White	121	34	25	3.8	1.8
CDC ORRIN*	Semican	White	107	35	28	3.9	1.7
DOMINGO	Co-op Atlantic	White	114	32	27	2.9	1.5
NOVA <sup>OC</sup>	SeCan	White	108	31	27	3.8	1.1
SHERWOOD*	Co-op Atlantic	White	97	37	24	4.3	1.8
TRIPLE CROWN	Co-op Atlantic	White	107	31	29	3.6	1.1
<b>HULLESS OAT</b>							
NAVARO	Semican	White	94	30	4.4	3	1.5

1. 0 = no lodging; 9 = fully lodges

2. 0 = resistant; 9 = highly susceptible (based on multiples tests and years)

3. DON = Déoxynivalénoïl level expressed in ppm based on nursery trials from 2010 to 2012.

4. FHB = Fusarium Head Blight

\* Milling potential

**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			
COMPANY	ADDRESS	TELEPHONE	E-MAIL / WEBSITE
Agromart / Grand-Falls	38 Després Rd, Grand-Falls, N.-B., E3Z 3E8	(506) 473-1941	<a href="mailto:bryan@grandfallsagromart.com">bryan@grandfallsagromart.com</a> <a href="http://www.grandfallsagromart.com">www.grandfallsagromart.com</a>
BNE Sales Ltd.	P.O. Box 502, Port-Williams, NS, B0P 1T0	Tel: (902) 678-1275/ 680-6652	
Co-op Atlantic Agriculture Division Eastern Grains Inc.	P.O. Box 750, 123 Halifax St., Moncton, NB E1C 2V2 260, 3 <sup>rd</sup> Tier Road LSD of Drummond, NB E3Y 2V2	Tel: (506) 858-6356 Tel: (506) 473-6661 Cell: (506) 473-0939 Toll Free: 1 866 473-6661	<a href="mailto:Rafael.Gonzalez@coopatlantic.ca">Rafael.Gonzalez@coopatlantic.ca</a> <a href="http://www.co-opcountry.com">www.co-opcountry.com</a> <a href="mailto:easterngrains@aernet.ca">easterngrains@aernet.ca</a> <a href="http://www.EasternGrains.ca">www.EasternGrains.ca</a>
Meadow Brook Farms	Box 3113, Charlottetown, PEI C1A 7N9	Tel: (902) 628-9292	<a href="mailto:davidmol@live.com">davidmol@live.com</a>
Pédigrain / Synagrie	5175, boul. Laurier Est, St-Hyacinthe, Qc. J2R 2B4	Tel: (450) 799-2823	
SeCan Members	Most Registered Seed Establishments are SeCan members	Tel: (613) 592-8600 Toll free: 1-800-764-5487	<a href="mailto:seed@secan.com">seed@secan.com</a> , <a href="http://www.secan.com">www.secan.com</a>
Semican Atlantic	366, Rang 10, Plessisville PQ G6L 2Y2	Tel : (819) 362-8823	<a href="mailto:semican@semican.ca">semican@semican.ca</a> , <a href="http://www.semican.ca">www.semican.ca</a>

**2014 HERBICIDE SELECTION FOR CEREALS NOT UNDERSEEDED**

Crop Tolerance E = Excellent G = Good F = Fair P = Poor N = Non-crop use	Herbicide Evaluation 0 = No control 9 = 90-100% control under ideal conditions - = Insufficient data	CROP TOLERANCE	ANNUAL BROADLEAF							ANNUAL GRASS				PERENNIAL							
			Chickweed	Cleavers	Corn Spurry	Hemnettle	Lady's Thumb	Lamb's Quarters	Mayweed	Mustards	Pigweeds	Ragweed	Wild Buckwheat	Barnyard Grass	Foxtail Green	Foxtail Yellow	Witch Grass	Wild Oat	Field Bindweed	Field Mint	Quack Grass

**ALWAYS READ HERBICIDE LABEL BEFORE USE**

**PREPLANT**

<sup>1</sup> Glyphosate - ROUNDUP, TOUCHDOWN, GLYPHOS, VANTAGE, CREDIT, FACTOR, MATRIX AND OTHERS	N																7	9	8	8	9	3	
<sup>2</sup> Sulfenacil - ERAGON	N	-	-	-	-	5	8	-	8	8	8	5	0	0	0	0	0	-	-	0	5	5	5

**OAT, BARLEY, SPRING AND WINTER WHEAT (SPRING APPLICATION ONLY)**

MCPA	F	0	3	7	8	2	9	-	9	9	9	2	0	0	0	0	0	7	0	0	7	8	5
<sup>3</sup> 2,4-DB - EMBUTOX, COBUTOX, CALIBER	G	2	-	2	2	4	9	-	7	9	8	6	0	0	0	0	0	8	0	0	5	5	2
<sup>3</sup> MCPB/MCPA - TROPOTOX PLUS, CLOVITOX PLUS, TOPSIDE	G	2	-	2	8	2	9	-	9	9	8	7	0	0	0	0	0	8	0	0	9	9	5
Thifensulfuron/Tribenuron - REFINE, NIMBLE	E	9	5	9	9	9	9	8	8	9	2	9	0	0	0	0	0	2	-	0	8	8	7
Dicamba - BANVEL II, ORACLE, HAWKEYE	F	8	7	9	7	9	9	8	7	9	9	9	0	0	0	0	0	8	-	0	9	8	5
<sup>4</sup> MCPA/Mecoprop/Dicamba - TARGET, SWORD, TRACKER XP	P	2	8	9	8	8	9	8	9	9	9	9	0	0	0	0	0	8	-	0	8	8	-
Dicamba/MCPA - DYVEL	F	0	7	9	8	9	9	8	9	9	9	9	0	0	0	0	0	8	-	0	8	8	-
Bromoxynil - PARDNER, KORIL, BROTEX, BROMOTRIL	E	2	-	2	2	8	9	8	7	7	8	8	0	0	0	0	0	5	-	0	6	5	-
Bromoxynil/MCPA - BUCTRIL M, MEXTROL, BADGE II, LOGIC M	E	2	4	2	7	9	9	8	9	8	9	9	0	0	0	0	0	7	-	0	7	7	-
<sup>4,5</sup> Mecoprop - COMPITOX, MECOPROP-P	G	9	8	9	2	2	9	-	9	9	9	2	0	0	0	0	0	-	-	0	-	7	5

**BARLEY, SPRING AND WINTER WHEAT (SPRING APPLICATION ONLY)**

Tralkoxydim - ACHIEVE, BISON	G	0	0	0	0	0	0	0	0	0	0	0	8	9	9	-	9	0	0	0	0	0	0
2,4-D Amine	F	0	2	0	0	0	9	-	9	9	8	4	0	0	0	0	0	7	7	0	5	7	0
Dichloroprop/2,4-D - ESTAPROP, TURBOPROP, DICLOROPROP	G	2	3	2	7	8	9	-	9	9	9	8	0	0	0	0	0	7	-	0	8	8	0
Thifensulfuron/Tribenuron + 2,4-D Amine - REFINE/NIMBLE+2,4-D	F	9	5	9	9	9	9	8	9	9	9	9	0	0	0	0	0	7	-	0	8	8	8
Thifensulfuron/Tribenuron + MCPA - REFINE/NIMBLE + MCPA	F	9	6	9	9	9	9	8	9	9	9	9	0	0	0	0	0	7	-	0	8	8	8
Thifensulfuron/Tribenuron + Bromoxynil/MCPA - REFINE/NIMBLE + BUCTRIL M	E	9	7	9	9	9	9	8	9	8	9	9	0	0	0	0	0	7	-	0	7	7	8
<sup>6</sup> Pyrasulfotol/Bromoxynil - INFINITY	E	9	8	-	9	-	9	-	9	9	8	9	0	0	0	0	0	-	-	0	7	6	-

**BARLEY AND SPRING WHEAT**

<sup>7</sup> Clopyralid - LONTREL	F	-	-	-	-	5	2	8	2	2	-	8	0	0	0	0	0	-	-	0	9	9	9
<sup>7</sup> Clopyralid + MCPA or 2,4-D - LONTREL + MCPA or 2,4-D	F	2	-	2	2	7	9	8	9	9	9	8	0	0	0	0	0	7	-	0	9	9	9
Fenoxaprop-p-ethyl - PUMA ADVANCE	G	0	0	0	0	0	0	0	0	0	0	0	8	9	9	-	9	0	0	-	0	0	0

**WINTER WHEAT - FALL APPLICATION**

Bromoxynil - PARDNER, KORIL, BROTEX, BROMOTRIL	E	0	-	0	0	9	9	8	8	8	7	9	0	0	0	0	0	6	0	0	6	6	-
Bromoxynil/MCPA - BUCTRIL M, MEXTROL, BADGE, LOGIC M	E	0	4	0	6	9	9	8	9	8	9	9	0	0	0	0	0	6	0	0	6	6	4
Thifensulfuron/Tribenuron - REFINE, NIMBLE	E	9	5	9	9	9	9	8	8	9	2	9	0	0	0	0	0	2	-	0	8	8	7

**PRE-HARVEST**

<sup>8</sup> Carfentrazone-ethyl - AIM EC	N																-	-	0	-	-	-
<sup>1,9</sup> Glyphosate - ROUNDUP, TOUCHDOWN, GLYPHOS, VANTAGE, CREDIT, FACTOR, MATRIX AND OTHERS	N																7	8	9	9	9	3

**Ratings are a guide based on best performance data from the Maritime region. Ratings will vary with environment, crop stage and weed maturity.**

- Numerous formulations available. Check product labels for recommended surfactants and appropriate use. Annual broad leaved and annual grasses will be controlled only if present at application.
- Preplant or pre-emergence in barley and wheat. Recommend tank mix with glyphosate for broad spectrum control. Barley, canola, corn, flax, oat, soybean and wheat can be planted in the season following application.
- Recommended application on underseeding of alfalfa (2,4-DB) and clover (MCPB/MCPA).
- Cleavers control obtained only at highest recommended rate of application.
- Not registered for winter wheat application.
- Alfalfa, barley, canola, field corn, flax, potato, oat, soybean or wheat can be safely planted 10 months after application.
- Do not grow crops such as peas, beans (any type), potatoes or vegetable crops until two years after clopyralid application.
- May be tank mixed with glyphosate. Will not speed the maturity of green crops. May help dry green weeds but limited long term weed control benefit. Do not use on crops grown for seed.
- Do not apply glyphosate containing products pre-harvest on crops grown for seed.

Product information can be found on the Pest Management Regulatory Agency (PMRA) web site: [www.hc-sc.gc.ca/cps-spc/pest/index-eng.php](http://www.hc-sc.gc.ca/cps-spc/pest/index-eng.php)

## 2013 SEED TREATMENT SELECTION FOR CEREALS

<p><b>Treating seed can potentially result in significant occupational exposure. Always read the label precautions for personal protective equipment, ventilation requirements and maximum allowances for total seed treated in a single day. Some seed treatments can only be applied by commercial seed treatment facilities.</b></p>	WHEAT						BARLEY						OAT						
	Seedling Blight	Crown and Root Rot	Powdery Mildew	Septoria (on seed)	Loose Smut	Damping Off (Pythium)	Wireworm	Seedling Blight	Crown and Root Rot	Net Blotch	Leaf Stripe	Smut	Damping Off (Pythium)	Wireworm	Seedling Blight	Crown and Root Rot	Smut	Damping Off (Pythium)	Wireworm
Allegiance FL <sup>1</sup>						+						+						+	
Apron XL LS <sup>1</sup>						+						+						+	
Armour, Armour RTU	+	+			+			+	+			+			+	+	+		
Baytan 30		+	+		+				+	+	+	+			not registered				
Charter, Charter RTU	+	+			+			+	+			+			+	+	+		
Cruiser 5 FS <sup>1</sup> , Cruiser 350 FS <sup>1</sup>							+						+		not registered				
DB-Red L	+	+						+	+						+	+			
Dividend XL <sup>1</sup> , Dividend Extreme <sup>1</sup> , Dividend XL RTA	+	+		+	+	+		+	+			+	+		+	+	+	+	
Gemini	+	+			+	+		+	+			+	+				+		
JAU6476 100FS	+	+			+			+	+		+	+			+	+	+		
L1397	+	+			+	+		+	+		+	+	+		+	+	+	+	
Maxim 480FS <sup>1</sup>	+							+							+				
Proseed Seed Treatment <sup>1</sup>	+							+							+				
Racona Apex	+	+			+			+	+		+	+							
Raxil 250	+	+			+			+	+		+	+					+		
Raxil SP	+	+			+			+			+	+			not registered				
Raxil 312 FS <sup>1</sup>				+								+						+	
Raxil T, Raxil MD	+	+		+	+	+		+	+			+	+		+	+	+	+	
Stress Shield							+						+						+
Vitaflow 280, Vitaflo 220, Vitavax 200 <sup>1</sup> , Vitavax Powder	+	+		+	+	+		+	+	+	+	+	+		+	+	+	+	
Vitavax FL	+	+			+			+	+	+	+	+			+	+	+		

<sup>1</sup> commercial seed treatment only, not registered for on-farm seed treatment  
<sup>3</sup> registered for use on exported seed only

<sup>2</sup> '+' indicates that the product is registered for control or suppression of pest

### 2013 FOLIAR FUNGICIDE SELECTION FOR CEREALS

Common Name	Product name	Pre-harvest Interval (Days)	WHEAT				BARLEY				OAT		
			Powdery Mildew	Fusarium Head Blight	Septoria	Rust	Fusarium Head Blight	Net Blotch	Spot Blotch	Scald	Fusarium Head Blight	Septoria	Rust
azoxystrobin	Abound	45			+ <sup>1</sup>	+				+		+	
azoxystrobin + propiconazole	Quilt	45			+	+				+	+	+	
mancozeb	Dithane	40			+	+			not registered			not registered	
metconazole	Caramba	30		+	+	+		+	+	+	+		+
propiconazole	Bumber/Tilt/Pivot/Propel/Propiconazole	45	+		+	+			+	+	+		+
propiconazole + trifloxystrobin	Stratego	45	+		+	+			+	+	+		+
prothioconazole	Proline	30		+	+	+		+	+	+	+		not registered
prothioconazole + tebuconazole	Prosaro	36	+	+	+	+		+	+	+	+		not registered
pyraclostrobin	Headline	40	+		+	+			+	+	+		+
pyraclostrobin + metconazole	Twinline	*	+	+	+	+		+	+	+	+		+
tebuconazole	Folicur	36	+	+	+	+			not registered			not registered	
tebuconazole + trifloxystrobin	USF 2010	45	+		+	+			+	+	+		+
trifloxystrobin	Flint	45	+		+	+			not registered			not registered	

<sup>1</sup> '+' indicates that the product is registered for control or suppression of pest      \* Apply no later than the beginning of flowering

### 2014 RECOMMENDED INSECT PEST CONTROL FOR CEREALS

Active Ingredient	Insecticide Group <sup>1</sup>	Trade Name <sup>2</sup>	Pre-harvest Interval (Days) <sup>3</sup>	WHEAT			BARLEY			OAT			RYE		
				Grain aphids	Cereal leaf beetle	Armyworm	Grain aphids	Cereal leaf beetle	Armyworm	Grain aphids	Cereal leaf beetle	Armyworm	Grain aphids	Cereal leaf beetle	Armyworm
Carbaryl	Carbamate (Group 1A)	Sevin XLR plus	14-Wheat,Oat,Rye 28 - Barley			+						+			+
Chlorpyrifos	Organophosphate (Group 1B)	Chlorpyrifos 480 EC, Citadel 480EC, Lorsban II, Lorsban 4E, MPower Krypton, Nufos 4E, Pyninex 480EC, Warhawk 480 EC	60			+						+			not registered
Lambda-cyhalothrin	Pyrethroid (Group 3)	Matador 120 EC, Warrior, Silencer 120 EC	28			+						+			not registered
Malathion <sup>4</sup>	Organophosphate (Group 1B)	Fyfanon 50 EC, Malathion 85 E, Malathion 500 EC	7	+	+	+	+	+	+	+	+	+	+	+	+
		Fyfanon ULV	7		+	+		+	+		+	+		+	not registered
		Pro Malathion 50 EC	7	+			+			+			+		+
Methomyl	Carbamate (Group 1A)	Lannate Toss-n-Go	20			+						+			not registered
Spinetoram	Naturalyte (Group 5)	Radiant SC, Delegate WG	21			+						+			+
Trichlorfon	Organophosphate (Group 1B)	Dylox 80 SP, Dylox 420 L	21			+						+			not registered

**Notes:** (1) 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.  
 (2) All products may not be listed.  
 (3) Individual labels may vary.  
 (4) Malathion works best at temperatures above 20 degrees Celsius.  
 - '+' indicates that the product is registered for control or suppression of pest  
 - See label for quantity of product per litres of water and specific label requirements.  
 - Follow all instructions according to the label. Label instructions take precedence over this document.