

2007 WEED / GROWTH REGULATORS  
Minor Use National Priority Listing

1	A Crop(s)	B Target Pest (common name)	C Target Pest (scientific name)	D E F G H I J K L M Provincial Pest Ranking											N National Pest Priority Rank	O Potential Solution (Active Ingredient)	P Potential Solutions (Product)	Q Registrant	R Eligibility*	S URMULE and/or IR-4 # **	T Other	
				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL									
3	<b>Crop Group # 1 (Carrot, potato, radish and sugar beet)</b>																					
4	Beets, sugar	Weeds						1								desmedipham + clopyralid + triflurosulfuron	Betamix + Lontrel + Upbeet	Various	URMULE	2000-2050	3 way microrate; efficacy data req.	
5																desmedipham + clopyralid + triflurosulfuron + quizalofop	Betamix + Lontrel + Upbeet + Assure	Various	URMULE		4 way microrate	
6	Beets, sugar	Group 2 resistant kochia and Group 1 resistant wild oats	<i>Kochia scoparia, Avena fatua</i>		1											ethofumesate	Norton	Bayer	URMULE		2006 B priority (post-emerg.)	
7	Beets, red	Broadleaf weeds incl. redroot pigweed	<i>Amaranthus retroflexus</i>	1			1	1	1			1		1		s-metolachlor	Dual II Magnum	Syngenta	URMULE	06629	2004-2005 B priority	
8																dimethenamid	Frontier	BASF	URMULE	06662		
9																dimethenamid-p	Outlook	BASF	Cat. B			
10																ethofumesate	Norton	Bayer	URMULE			
11																desmedipham + phenmedipham	Betamix beta	Bayer	Cat. A	D.3.1 2006-4012	New formulation.	
12																flucarbazone-sodium	Everest	Arysta	URMULE			
13																clopyralid	Lontrel	Dow Agro	URMULE			
14																triflurosulfuron-methyl + phenmedipham + desmedipham	Upbeet & Betamix tank mix	DuPont	URMULE			
15	Carrot	Broadleaf weeds (ragweed, redroot pigweed) on mineral soil	<i>Ambrosia artemisiifolia, Amaranthus retroflexus</i>	1				1	1				1	1		metribuzin	Sencor	Bayer	URMULE	2006-4684	2006 B priority	
16																clomazone	Command	FMC	URMULE			
17																pendimethalin	Prowl	BASF	URMULE	04084		
18																oxyfluorfen	Goal	Dow Agro	URMULE		URMULE in progress	
19																carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
20																flufenacet	Define	Bayer	URMULE			
21	Carrot	Goldenrod														clomazone	Command	FMC	URMULE			
22																pendimethalin	Prowl	BASF	URMULE			
23	Carrot	Group 7 resistant pigweed						2						2								
24	Carrot	Grasses incl. Bluegrass, annual grassy weeds	<i>Poa spp., Avena fatua, Setaria viridis</i>				1	3					2	2	3		clethodim	Select / Centurion	Arysta / Bayer	URMULE		
25	Celeriac	Broadleaf weeds							2							carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
26																linuron	Lorox	DuPont	URMULE	03557 A		
27																prometryn	Gesagard	Syngenta	URMULE	03567 A		
28	Parsnip	Broadleaf and grassy weeds					1									trifluralin	various	various	URMULE		fall application	
29	Chicory / Belgian Endive	Weeds						1								dimethenamid	Frontier	BASF	URMULE	2000-1167 (crop tolerance and residue data)	would have to be re-submitted	
30																thifensulfuron-methyl + tribenuron-methyl	Refine Extra	DuPont	URMULE			
31																thifensulfuron-methyl + rimsulfuron	Pinnacle + Prism	DuPont	URMULE			
32	Chicory / Belgian Endive	Grasses						2								quizalofop-p-ethyl	Assure II	DuPont	URMULE			
33	Ginseng	Post-emergence broadleaf weeds		1												chlorimuron-ethyl	Classic	DuPont	URMULE		showed potential in BC screening trials (2005)	

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	Crop(s)	Target Pest (common name)	Target Pest (scientific name)	Provincial Pest Ranking										National Pest Priority Rank	Potential Solution (Active Ingredient)	Potential Solutions (Product)	Registrant	Eligibility*	URMULE and/or IR-4 #**	Other
2				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL							
34															MCPA	various	various	URMULE		Best crop tolerance in BC screening trial 2006/06
35	Ginseng	Pre-emergence broadleaf weeds		2				1							chlorthal-dimethyl	Dacthal	UAP	URMULE	2004-2335	AAFC project underway
36	Ginseng	Grasses (bluegrass)						2							clethodim	Select / Centurion	Arysta / Bayer	URMULE		
37	Potato	Broadleaf weeds in crop pre & post emergence (nutsedge)	<i>Cyperus esculentus</i>						1						sulfentrazone	Authority	FMC	Pending URMUR		
38															imazosulfuron	V-10142	Valent	Cat. A	09645A	
39	Potato	Lambsquarters (Resistant)										1	1							Flumioxazin already submitted
40	Potato	Morning glory		2																
41	Potato	Nightshade		1																
42	Potato	Broadleaf weeds		3	1	1	1								sulfentrazone	Authority	FMC	Pending URMUR		want post emergent, safe on all varieties
43															carfentrazone-ethyl	Aim	FMC	Pending Cat. A		A priority in 2006 with Valor
44															dimethenamid-p	Outlook	BASF	Cat. B		pre-emergent
45	Potato	Grassy weeds			2	2	2													Need resistance management alternative
46	Potato	Volunteer potatoes		5																
47	Potato	Weeds		4							1				pendimethalin	Prowl	BASF	URMULE		
48															flufenacet	Define	Bayer	URMULE		non-group 1
49	Potato	Annual grassy and broadleaf weeds			2			2				2			flufenacet + metribuzin	Axiom	Bayer	URMULE		
50	Potato	Crop desiccation							2						carfentrazone-ethyl	Aim	FMC	Pending Cat. A		
51	Potato	Large seeded broadleaf weeds						3				3	3		halosulfuron	Sandea	Gowan	Cat. A		
52	Potato	Cleavers	<i>Galium aparinae</i>								1									
53	Potato, sweet	Weeds						1							napropamide	Devrinol	UPI	URMULE		
54															s-metolachlor	Dual II Magnum	Syngenta	URMULE	2003-1858	
55	Rutabaga	Broadleaf weeds							2	1		1			sulfentrazone	Authority	FMC	Pending URMUR	07915B	covered by turnip in US
56	<b>Crop Group # 3 (Green onion, dry bulb onion)</b>																			
57	Garlic	Weeds		1				1							oxyfluorfen	Goal	Dow Agro	URMULE		
58															flumioxazin	Chateau	Valent	Cat. A	08055	Cat. A subm. June 2007
59	Onions, dry bulb	Weeds incl. pre-emergence		1				1	3		1	1			dimethenamid	Frontier	BASF	URMULE	2003-0087	expand application timings and weed spectrum
60															ethofumesate	Nortron	Bayer	URMULE		
61															flumioxazin	Chateau	Valent	Cat. A	2004-1651	phyto?
62															fluroxypyr	Starane	Dow Agro	URMUR	07705 A	no control of pigweed or lamb's quarters

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
63															isoxaben	Gallery	Dow Agro	URMULE		France: registered use on onions	
64	Onions	Grasses													ethofumesate	Nortron	Bayer	URMULE			
65	Onions	Ragweed	<i>Ambrosia artemisiifolia</i>												clopyralid	Lontrel	Dow Agro	URMULE			
66	Onions, green	Weeds - for high organic soil > 5%		1																	
67	Onions, green	Weeds		n/s				1	2						dimethenamid	Frontier	BASF	URMULE	07699		
68															chlorthal-dimethyl	Dacthal	AMVAC	URMULE			
69															pendimethalin	Prowl	BASF	URMULE	05097		
70															oxyfluorfen	Goal	Dow Agro	URMULE	03574		
71															bromoxynil	Pardner	Bayer	URMULE			
72	Leeks	Broadleaf weeds (lamb's quarters, redroot pigweed, purslane)	<i>Chenopodium album</i> , <i>Amaranthus retroflexus</i> , <i>Portulaca oleracea</i>	1				1	1										URMULE	06058	Would be phytotoxic to other crops of bulb vegetables
73															dimethenamid	Frontier	BASF	URMULE			
74															pendimethalin	Prowl	BASF	URMULE	04578	Under re-evaluation	
75															oxyfluorfen	Goal	Dow Agro	URMULE			
76															linuron	Lorox	DuPont	URMULE		Would be phytotoxic to other crops of bulb vegetables	
77															carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
78	Crop Group # 4 (Celery, head lettuce, leaf lettuce, and spinach)																				
79	Celery	Weeds						1	1						s-metolachlor	Dual II Magnum	Syngenta	URMULE			
80															linuron	Lorox L	DuPont	URMULE		Gesagard replacement	
81															flumioxazin	Chateau	Valent	Cat. A	08646 A	no phyto on celery if applied in pre transplant	
82															butafenacil	Inspire	Syngenta	Cat. A		Syngenta position for Canadian registration?	
83																					
84	Lettuce, field	Broadleaf weeds (purslane)	<i>Portulaca oleracea</i>					1	1		1				pendimethalin	Prowl	BASF	URMULE	09061A leaf lettuce	Under re-evaluation	
85															linuron	Lorox	DuPont	URMULE			
86	Lettuce, field	Weeds, grasses		1				1							clethodim	Select / Centurion	Arysta / Bayer	URMULE	07694		
87	Rhubarb	Broadleaf weeds													propyzamide	Kerb	Dow Agro	URMULE			
88	Rhubarb	Grasses													sethoxydim	Poast Ultra	BASF	URMULE			
89	Spinach	Weeds (including broadleaf weeds, lambsquarters & redroot pigweed)		1				1			1				clopyralid	Lontrel	Dow Agro	URMULE	2005-2110, 09577	residue data required	
90	Parsley	Weeds						1	1						s-metolachlor	Dual II Magnum	Syngenta	URMULE			
91															linuron	Lorox	DuPont	URMULE	03035	registered in USA	
92															pendimethalin	Prowl	BASF	URMULE			

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL									
93	<b>Crop Group # 5 (Broccoli or cauliflower, cabbage, mustard greens)</b>																					
94	<b>Crop Group 5 (Brassica Leafy Veg)</b>	Mustard Weeds		2												ethametsulfuron-ethyl	Muster	DuPont	URMULE			
95	<b>Crop Group 5, Brassica vegetables</b>	Cleavers	<i>Galium aparinae</i>									1										
96	<b>Brassica, leafy greens (broccoli)</b>	Broadleaf weeds (lamb's quarters)	<i>Chenopodium album</i>							1						flumioxazin	Chateau	Valent	Cat. A		excellent preliminary results	
97																sulfentrazone	Authority	FMC	Pending URMUR	07724A		
98																mesotrione	Callisto	Syngenta	URMULE		QC - high risk of phytotoxicity	
99	<b>Brassica, leafy greens (cabbage)</b>	Broadleaf weeds (lamb's quarters)	<i>Chenopodium album</i>							2						flumioxazin	Chateau	Valent	Cat. A		excellent preliminary results	
100																sulfentrazone	Authority	FMC	Pending URMUR	07724 A		
101																mesotrione	Callisto	Syngenta	URMULE		QC - high risk of phytotoxicity	
102	<b>Crop Group 5, Brassica vegetables</b>	Weeds incl. annual grasses, barnyard grass and broadleaf weeds		1				1		1			1			clomazone	Command	FMC	URMULE	03569	AAFC 2006 Goal CG5A	
103																ethametsulfuron-ethyl	Muster	DuPont	URMULE			
104																sulfentrazone	Authority	FMC	Pending URMUR	07581, 07724	AAFC 2006 Goal CG5A	
105																flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007	
106	<b>Chinese cabbage (muck and mineral soils)</b>	Broadleaf weeds							3							carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
107																sulfentrazone	Authority	FMC	Pending URMUR	8065		
108	<b>Crop Group # 6 (Bean, pea and soybean)</b>																					
109	<b>Dry beans</b>	Weeds (redroot pig weed)	<i>Amaranthus retroflexus</i>					1				1				EPTC	Eptam	Gowan	URMULE		ppi - Expand to all market classes	
110																dimethenamid-p	Outlook	BASF	Cat. B	2006-1497 (Frontier)	ppi - Additional crop tolerance data req'd	
111																dimethenamid-p	Outlook	BASF	Cat. B		pre - Expand to all market classes	
112																imazethapyr	Pursuit	BASF	URMULE		ppi - Expand to all market classes	
113																imazethapyr	Pursuit	BASF	URMULE		pre - Expand to all market classes	
114																imazethapyr	Pursuit	BASF	URMULE		post - Expand to all market classes	
115																fenoxaprop-p-ethyl	Excel Super	Bayer	URMULE		Expand to all market classes	
116																clethodim	Select / Centurion	Arysta / Bayer	URMULE		Post - Expand to all market classes	

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				Provincial Pest Ranking																
2				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL							
117															bentazon + fomesafen (post)	Basagran Forte + Reflex	BASF + Syngenta	URMULE		Expand to all market classes
118															linuron	Lorox	DuPont	URMULE		pre - Expand to all market classes
119															clomazone	Command	FMC	URMULE		pre
120															imazethapyr+ bentazon	Clean Sweep	BASF	URMULE		post - Expand to all market classes
121															cloransulam-methyl	FirstRate	Dow Agro	URMULE		ppi
122															cloransulam-methyl	FirstRate	Dow Agro	URMULE		pre
123															cloransulam-methyl	FirstRate	Dow Agro	URMULE		post
124															N/A	K1H 485	Kumiai America	Cat. A		
125	Dry Beans	Wild oat (Gr. 1 resistant)	<i>Avena fatua</i>		1										triallate	Avadex BW	Gowan	URMULE		
126	Dry Beans	Nightshade weeds	<i>Solanum sarrachoides</i> & <i>S. nigrum</i>		1										no suggested trt.			URMULE		
127	Dry Beans	Wild buckwheat	<i>Polygonum convolvulus</i>		1										no suggested trt.			URMULE		
128	Dry Beans	Wild sunflower	<i>Helianthus annuus</i>		1										no suggested trt.			URMULE		
129	Dry Beans	Ragweed	<i>Ambrosia artemisiifolia</i>											2	cloransulam-methyl	FirstRate	Dow Agro	URMULE		
130	Dry Beans	Broadleaf and grassy weeds					1								imazethapyr + pendimethalin	Valor-1	BASF	URMULE		
131	Dry Beans	Broadleaf and grassy weeds (pre-emergence)				1									flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007
132															dimethenamid + imazethapyr	Frontier + Pursuit	BASF	URMULE		
133	Dry beans, adzuki	Weeds						1							fomesafen	Reflex	Syngenta	URMULE	2001-1164	crop tolerance data req'd
134															cloransulam-methyl	FirstRate	Dow Agro	URMULE		ppi
135															metribuzin	Sencor	Bayer	URMULE		ppi
136															pendimethalin	Prowl	BASF	URMULE		ppi
137															cloransulam-methyl	FirstRate	Dow Agro	URMULE		pre
138															linuron	Lorox	DuPont	URMULE		pre
139															metribuzin	Sencor	Bayer	URMULE		pre
140															acifluorfen	Blazer	UPI	URMULE		post
141															cloransulam-methyl	FirstRate	Dow Agro	URMULE		post
142															imazethapyr	Pursuit	BASF	URMULE		post
143	Beans, snap	Weeds, including pigweed, Lambsquarters			1															
144															clomazone	Command	FMC	URMULE		
145	Beans, snap (phaseolus vulgaris)	Broadleaf weeds in pre and post-emergence (black nighshade)	<i>Solanum nigrum</i>						1						halosulfuron	Sandea	Gowan	Cat. A		registered in USA
146															clomazone	Command	FMC	URMULE		registered in USA
147	Soybean	Common Waterhemp	<i>Amaranthus rudis</i>					1							acifluorfen	Blazer	UPI	URMULE		
148	Soybean	Spreading atriplex	<i>Atriplex patula</i>						2						glyphosate + s-metolachlor + flumetsulam	Roundup + Broadstrike Dual Magnum	Monsanto + Dow Agro	URMULE		
149	Soybean	Field Horsetail	<i>Equisetum arvense</i>						3						glyphosate + s-metolachlor + flumetsulam	Roundup + Broadstrike Dual Magnum	Monsanto + Dow Agro	URMULE		
150															amitrole + s-metolachlor + flumetsulam	Amitrol 240 + Broadstrike Dual Magnum	Monsanto + Dow Agro	URMULE		
151	Soybean	Canada fleabane	<i>Erigeron canadensis</i>					4							cloransulam-methyl	FirstRate	Dow Agro	URMULE		
152	Soybean	Biennial Wormwood	<i>Artemisia biennis</i>					5							bentazon	Basagran	BASF	URMULE		
153	Succulent peas	Annual blue grass			2										clethodim	Select / Centurion	Arysta / Bayer	URMULE		

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				Provincial Pest Ranking																	National Pest Priority Rank
2				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
154	Succulent peas	Broadleaf weeds in pre or post-emergence (black nighshade, lam's quarters)	<i>Solanum nigrum</i> , <i>Chenopodium album</i>	1					1							clomazone	Command	FMC	URMULE		
155																halosulfuron	Sandea	Gowan	Cat. A		
156																s-metolachlor	Dual II Magnum	Syngenta	URMULE		
157																sulfentrazone	Authority	FMC	Pending URMUR	06520 A	
158																imazamox	Viper	BASF	URMULE	06664	
159	Succulent peas	Sowthistle, Canada thistle	<i>Cirsium arvense</i>		2			1								N/A	K1H 485	Kumiai America	Cat. A		
160	Succulent peas	Pigweed	<i>Amaranthus spp.</i>					2								N/A	K1H 485	Kumiai America	Cat. A		
161	Succulent peas	Nightshade weeds	<i>Solanum spp.</i> , <i>Solanum sarrachoides</i> & <i>S. nigrum</i>		1			3													
162	Succulent peas	Kochia	<i>Kochia scoparia</i>		3																
163	Succulent beans	Weeds						1								imazamox + bentazon	Meridian Plus	BASF	URMULE	2003-1449	complete residue study and additional crop tolerance data required
164																s-metolachlor + imazethapyr	Dual II Magnum + Pursuit	Syngenta + BASF	URMULE		
165																cloransulam-methyl	FirstRate	Dow Agro	URMULE		
166																topramezone	Impact	AMVAC	URMULE	Limas only	
167	Chickpeas	Weeds						1								metribuzin	Sencor	Bayer	URMULE		
168																s-metolachlor	Dual II Magnum	Syngenta	URMULE		
169	Lentil	Broadleaf weeds, kochia Russian thistle				1										imazethapyr	Pursuit	BASF	URMULE		fall
170	<b>Crop Group # 8 (Tomato, bell pepper, one cultivar of non-bell pepper)</b>																				
171	Eggplant	Weeds incl. broadleaf weeds		1				1	3							thifensulfuron-methyl	Pinnacle	DuPont	URMULE		
172																metribuzin	Sencor	Bayer	URMULE		
173																halosulfuron	Sandea	Gowan	Cat. A		registered in US on field tomato
174																sulfentrazone	Authority	FMC	Pending URMUR		
175	Pepper	Weeds		1				1								s-metolachlor	Dual II Magnum	Syngenta	URMULE	D.3.2 2002-1792; Study may have to be redone	add non-bell types
176																sulfentrazone	Authority	FMC	Pending URMUR	08048	
177																dimethenamid-p	Outlook	BASF	Cat. B		
178	Pepper, field	Broadleaf weeds in post planting							1							metribuzin	Sencor	Bayer	URMULE		
179																flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007
180																sulfentrazone	Authority	FMC	Pending URMUR	08048 A	
181	Pepper	Grasses						2								fenoxaprop-p-ethyl	Excel Super	Bayer	URMULE		
182	Tomato, Field	Triazine resistant weeds						1								halosulfuron	Sandea	Gowan	Cat. A		

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
183															sulfentrazone	Authority	FMC	Pending URMUR			
184															rimsulfuron	Prism	DuPont	URMULE		to increase rate to 56 g/ha on Pinnacle sensitive varieties	
185	Tomato, Field	Nightshades	<i>Solanum spp.</i>					2													
186	Tomato, Field	Broadleaf weeds						3							sulfentrazone	Authority	FMC	Pending URMUR			
187	Tomato, Field	Weeds on fresh market varieties		1				4	2						s-metolachlor + metribuzin	Dual II Magnum + Sencor	Syngenta + Bayer	URMULE	D.3.2: 2001- 0517; 2001- 0409; 2001- 0555	fresh market crop tolerance data required; should resubmit these URMULEs, DACOs old	
188															halosulfuron	Sandea	Gowan	Cat. A		registered in US on field tomato	
189															fomesafen	Reflex	Syngenta	URMULE	08948A		
190															sulfentrazone	Authority	FMC	Pending URMUR	07957 A		
191															flumioxazin	Chateau	Valent	Cat. A	08320 A	IR-4 btwn row application, with crop protection	
192															thifensulfuron-methyl + rimsulfuron	Pinnacle + Prism	DuPont	URMULE			
193	Tomato, Field	Crabgrass	<i>Digitaria spp.</i>					5							fenoxaprop-p-ethyl	Excel Super	Bayer	URMULE		change PHI from 55 to 30 days	
194	Tomato, Field	Grasses						6							fluzifop-p-butyl	Venture	Syngenta	URMULE		change PHI to 30 days	
195															sethoxydim	Poast Ultra	BASF	URMULE		change PHI to 30 days	
196	Tomato, Field	Growth regulation						1							uniconazole	Sumagic	Valent	URMULE	04597		
197	<b>Crop Group # 9 (Cucumber, muskmelon, summer squash)</b>																				
198	Cucurbit crop group	Weeds (broadleaf weeds incl. redroot pigweed)	<i>Amaranthus retroflexus</i>	1				1	2			1	1		halosulfuron	Sandea	Gowan	Cat. A	06364, 06365, 06366, 06496, 06497, 06893	current prods are not effective	
199															clomazone	Command	FMC	URMULE	2003-1577	still need crop group	
200															fomesafen	Reflex	Syngenta	URMULE			
201															other?					current prods are not effective	
202	Pumpkins	Weeds											1		ethafluralin + clomazone	Strategy	UAP/FMC	URMUR		registrant support?	
203															clomazone	Command	FMC	URMULE	2003-1577	still need crop group	
204	Pumpkins	Broadleaf weeds (redroot pigweed)	<i>Amaranthus retroflexus</i>						1						halosulfuron	Sandea	Gowan	Cat. A		registered in USA	

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1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	Crop(s)	Target Pest (common name)	Target Pest (scientific name)	Provincial Pest Ranking										National Pest Priority Rank	Potential Solution (Active Ingredient)	Potential Solutions (Product)	Registrant	Eligibility*	URMULE and/or IR-4 #**	Other
2				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL							
205															fomesafen	Reflex	Syngenta	URMULE	09115 covered by 09138	IR-4 priority 2005
206	<b>Crop Group # 11 (Apple, pear)</b>																			
207	<b>Pome fruit group</b>	Simazine replacement-broadleaf		1											sulfentrazone	Authority	FMC	Pending URMUR		
208	<b>Pome fruit group</b>	Weeds (incl. broadleaf)		1											fluroxypyr	Starane	Dow Agro	URMUR		
209															thiazopyr	Visor	Dow Agro	Cat. A		
210															flumioxazin	Chateau	Valent	Cat. A	AAFC 2007 project, apple	Cat. A subm. June 2007
211	<b>Pome fruit group</b>	Glyphosate alternative		2																weed shift to species more tolerant to glyphosate
212	<b>Pome fruit group</b>	Sucker control		3																Apogee registered
213	<b>Pome fruit group</b>	Growth regulation										1			glutamic acid	Auxi Gro	Emerald Bioagriculture	URMUR		
214	<b>Pome fruit group</b>	Cleavers	<i>Galium aparinae</i>																2	
215	<b>Pome fruit group</b>	Thiner													ammonium thiosulfate		National Chelating & Siemer	URMUR		replacement for carbaryl
216	<b>Pome fruit group</b>	Grasses						1							clethodim	Select / Centurion	Arysta / Bayer	URMULE	06874	
217	<b>Apple</b>	Broadleaf weeds						1				1			halosulfuron	Sandea	Gowan	Cat. A	07769	
218															fluroxypyr	Starane	Dow Agro	URMUR	07706	
219															sulfentrazone	Authority	FMC	Pending URMUR	07770	
220	<b>Apple</b>	Russeting						2							benzyladenine + gibberellins	Promalin	Valent	URMULE	2002-0865	
221															benzyladenine + gibberellins	Novagib	Fine Agrochem.	Cat. B		
222	<b>Pear</b>	Growth regulation						1							aminoethoxy vinyl glycine	Retain	Valent	URMULE	08052, 08054	
223	<b>Pear</b>	Ethylene inhibition						2							1-MCP	Smart Fresh	AgroFresh Inc.	URMULE		
224	<b>Pear</b>	Pre-emergent weeds						3							flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007
225	<b>Pear</b>	Pre-emergent, broadleaf weeds incl. vetch						4							clopyralid	Lontrel	Dow Agro	URMULE	3624	
226	<b>Crop Group # 12 (Sweet or tart cherry, peach, plum or prune)</b>																			
227	<b>Choke cherry</b>	Grassy weeds				1									quizalofop-p-ethyl	Assure II	DuPont	URMULE		
228	<b>Choke cherry</b>	Broadleaf weeds				2									dichlobenil	Casoron 4G	Chemtura	URMULE	1999-0629 tolerance	
229	<b>Crop Group 12</b>	pre-emergent broadleaf weeds inc. vetch						4							clopyralid	Lontrel	Dow Agro	URMULE	03621, 03622, 03625	
230	<b>Cherry</b>	Gramoxone alternative		1											glufosinate ammonium	Ignite	Bayer	URMULE		Ignite registered on other tree fruit

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
231	Crop Group 12, stone fruit	Growth regulation		1				1					1		aminoethoxy vinyl glycine hydrochloride	Retain	Valent	URMULE	08052, 08053, 08054		
232															gibberellic acid GA3	Activol	Norac	URMULE			
233															gibberellic acid GA3	ProGibb	Valent	Pending Cat. A		Peaches	
234															1-MCP	Smart Fresh	AgroFresh Inc.	URMULE			
235															prohexadione calcium	Apogee	BASF	URMULE			
236	Crop Group 12, stone fruit	post-emergent grasses						2							clethodim	Select / Centurion	Arysta / Bayer	URMULE	06875		
237	Crop Group 12, stone fruit	pre-emergent weeds						3							flumioxazin	Chateau	Valent	Cat. A	09346	Cat. A subm. June 2007	
238	Crop Group 12, stone fruit	Broadleaf		1											flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007	
239															fluroxypyr	Starane	Dow Agro	URMUR			
240	Crop Group 12	Simazine replacement-broadleaf		1											sulfentrazone	Authority	FMC	Pending URMUR			
241															thiazopyr	Visor	Dow Agro	Cat. A			
242	Crop Group 12, stone fruit	Glyphosate alternative		2											glufosinate ammonium	Ignite	Bayer	URMULE		weed shift to species more tolerant to glyphosate	
243	Crop Group 12	Sucker control		5											prohexadione calcium	Apogee	BASF	URMULE			
244	Crop Group # 13 (any blackberry or any raspberry, blueberry)																				
245	Currant	Broadleaf weeds							1						carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
246															flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007	
247															isoxaben	Gallery	Dow Agro	URMULE	09720 B blueberries		
248	Currant	Grasses						2							clethodim	Select / Centurion	Arysta / Bayer	URMULE	05234A blueberries		
249															sethoxydim	Poast Ultra	BASF	URMULE		USA: non registered use	
250															fluzifop-p-butyl	Venture	Syngenta	URMULE			
251	Currants, Gooseberry	Broadleaf in bearing crops		1											dichlobenil	Casoron	Chemtura	URMULE		reg on other berries	
252	Blueberry, highbush	Broadleaf weeds							1						sulfentrazone	Authority	FMC	Pending URMUR	09260 A		
253															flumioxazin	Chateau	Valent	Cat. A	08331 A	Cat. A subm. June 2007	
254															carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
255	Blueberry, lowbush	Black bulrush	<i>Scirpus atrovirens</i>							3					nicosulfuron / rimsulfuron	Ultim DF	DuPont	URMULE		broadcast	
256	Blueberry, lowbush	Broadleaf weeds (sheep-laurel, cow-wheat)	<i>Kalmia angustifolia</i> , <i>Melampyrum arvense</i>						1	1			2		chlorimuron-ethyl	Classic	DuPont	URMULE			
257															rimsulfuron	Prism/Elim	DuPont	URMULE	07720		
258															carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
259															sulfentrazone	Authority	FMC	Pending URMUR			
260															pendimethalin	Prowl	BASF	URMULE		registered, PHI-long	

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL										
261	Blueberry, lowbush	Grasses, Reduction in PHI from 60 to 30													1		fluazifop-p-butyl	Venture	Syngenta	URMULE		a lot of pressure from annual grasses and would like to use Venture later in the season during the fruiting year	
262	Blueberry, lowbush	Broadleaf and grassy weeds													2		pendimethalin	Prowl	BASF	URMULE			
263																	rimsulfuron	Prism/Elim	DuPont	URMULE	7720		
264																	chlorimuron-ethyl	Classic	DuPont	URMULE			
265	Blueberry, lowbush	Grasses													2	1	1	rimsulfuron	Prism/Elim	DuPont	URMULE	registered, PHI-long	needs residue work to shorten PHI.
266	Bushberry subgroup	Weeds on currant and gooseberry						1								1		napropamide	Devrinol	UPI	URMULE	2003-1250, 2003-1251 (crop tolerance)	dichlobenil already submitted for crop group, 2003-0114
267																	sulfentrazone	Authority	FMC	Pending URMUR	09860		
268																	carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
269	Bushberry subgroup	Weeds - incl. annual blue grass		4																		2004-0726	AAFC Clethodim trial underway
270	Bushberry subgroup	Broadleaf weeds, broad spectrum, pre-emergent		1													pendimethalin	Prowl	BASF	URMULE			
271																	flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007	
272																	sulfentrazone	Authority	FMC	Pending URMUR			
273	Bushberry subgroup	Weeds, grasses / nutsedge		3																			
274	Bushberry subgroup	Grasses						2								2	clethodim	Select / Centurion	Arysta / Bayer	URMULE	05234		
275																	quizalofop-p-ethyl	Assure II	DuPont	URMULE			
276	Bushberry subgroup	Horsetail	<i>Equisetum spp.</i>	2																			APWS
277	Caneberry subgroup	Weeds incl. creeping yellow cress		1				1	1							1	s-metolachlor	Dual II Magnum	Syngenta	URMULE	03497		
278																	terbacil	Sinbar	DuPont	URMULE			extend to E. Can.
279																	sulfentrazone	Authority	FMC	Pending URMUR			
280																	carfentrazone-ethyl	Aim	FMC	Pending Cat. A			
281																	mesotrione	Callisto	Syngenta	URMULE	09692		increasing, widespread, creeping perennial
282																	flumioxazin	Chateau	Valent	Cat. A	09700		Cat. A subm. June 2007
283																	rimsulfuron	Prism	DuPont	URMULE			
284	Caneberry subgroup	Grasses		6												2	clethodim	Select / Centurion	Arysta / Bayer	URMULE	06060		
285																	quizalofop-p-ethyl	Assure II	DuPont	URMULE			
286	Caneberry subgroup	Curled dock		2																			widespread

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
287	Caneberry subgroup	Yellow Nutsedge		3												s-metolachlor	Dual II Magnum	Syngenta	URMULE	03497	very localized
288	Caneberry subgroup	Caneburning		4												carfentrazone-ethyl	Aim	FMC	Pending Cat. A		
289	Caneberry subgroup	Wild Buckwheat		5																	
290	Caneberry subgroup	uneven and incomplete budbreak		1												pgr					
291	Elderberry	Broadleaf weeds							1							mesotrione	Callisto	Syngenta	URMULE		
292																sulfentrazone	Authority	FMC	Pending URMUR		
293	Saskatoon berry	Grassy weeds (including quackgrass)	<i>Agropyron repens</i>		1	1	1									quizalofop-p-ethyl	Assure II	DuPont	URMULE		
294																clethodim	Select / Centurion	Arysta / Bayer	URMULE		
295	Saskatoon berry	Weeds						1								napropamide	Devrinol	UPI	URMULE		
296	<b>Not classified</b>																				
297	Strawberry	Wood sorrel	<i>Oxalis spp.</i>					3					2			sulfentrazone	Authority	FMC	Pending URMUR	2003-1592	clarify if this weed is part of URMUR
298	Strawberry	Common groundsel	<i>Senecio vulgaris</i>					1				1	1			carfentrazone-ethyl	Aim	FMC	Pending Cat. A		
299	Strawberry	Runner suppressant										2				prohexadione calcium	Apogee	BASF	URMULE		
300	Strawberry	Cleavers	<i>Galium aparinae</i>									3									
301	Strawberry	Grasses						2					1	2		clethodim	Select / Centurion	Arysta / Bayer	URMULE	05230, 2002- 3578	crop tolerance required
302																quizalofop-p-ethyl	Assure II	DuPont	URMULE		
303	Strawberry	Weeds (incl. broadleaf and chickweed)	<i>Stellaria media</i>		1		1					1				2, 4-D	2, 4-D	various	URMULE		A priority in 2006 with Blazer or Chateau
304																pendimethalin	Prowl	BASF	URMULE		still desperate for herbicides!
305																acifluorfen	Blazer	UPI	Cat. A		still desperate for herbicides!
306	Strawberry, planting year	Broadleaf weeds								1						carfentrazone-ethyl	Aim	FMC	Pending Cat. A		
307																sulfentrazone	Authority	FMC	Pending URMUR		
308																triflurosulfuron-methyl	UpBeet	DuPont	URMULE	07731	IR-4: project withdrawn in 2002 - no support from Dupont
309	Cranberry	Weeds							1				1	1		napropamide	Devrinol	UPI	URMULE		expand label to E. Can.
310																mesotrione	Callisto	Syngenta	URMULE		
311	Cranberry	Grasses incl. late season grasses								2						clethodim	Select / Centurion	Arysta / Bayer	URMULE	2002-3579	PHI is too long on presently registered herbicides to protect all season

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
312	Cranberry	Creeping buttercup, yellow loosestrife and other broadleaf weeds		1											chlorimuron-ethyl	Classic	DuPont	URMULE		industry pursuing no submission yet	
313	Cranberry	Perennial grasses (quackgrass)	<i>Agropyron repens</i>						1						clethodim	Select / Centurion	Arysta / Bayer	URMULE	D.3.2: 2002- 3579	Tolerance data required by PMRA - USA registered use	
314															sethoxydim	Poast Ultra	BASF	URMULE			
315															acetic acid	Ecoclear	Ecoval	URMULE		CETAQ preparing support document	
316															nicosulfuron	Accent	DuPont	URMULE		USA non-registered use but potential	
317	Cranberry	Weeds								1					chlorimuron-ethyl	Classic	DuPont	URMULE			
318															nicosulfuron / rimsulfuron	Ultim DF	DuPont	URMULE			
319															nicosulfuron	Accent	DuPont	URMULE			
320	Cranberry	Sedges and rushes							2						acetic acid	Ecoclear	Ecoval	URMULE		CETAQ preparing support document	
321	Grapes	Weeds						1							dimethenamid	Frontier	BASF	URMULE	2001-2001	label expansion from new & non- bearing; new submission required	
322															azafenidin	Milestone	DuPont	URMUR		re in USA for grapes	
323															simazine + diuron (1/2 rate)	Princep + Karmex	Syngenta + DuPont	URMULE	1997-1085	reduced rates; residue and crop tolerance data needed, new submission required	
324															sulfentrazone	Authority	FMC	Pending URMUR	07771		
325															dimethenamid	Frontier	BASF	URMULE			
326															pine oil	Interceptor	New Zealand Company	Cat. A		may not be able to expand label	
327	Grapes	Grasses						2							clethodim	Select / Centurion	Arysta / Bayer	URMULE			
328	Grapes	Fruit quality						3							gibberellic acid GA3	ProGibb	Valent	Pending Cat. A		price competitive- ness issue	
329	Grapes	Soil fumigant		2											dazomet	Basamid	BASF	URMULE			
330	<b>Crop Group # 14 (Almond and Pecan)</b>																				
331	Tree nut group	Weeds in established plantings						1							simazine	Simazine 80 WP	UAP	URMULE			
332															glyphosate	Roundup, Vantage	Monsanto, Syngenta	URMULE			
333															s-metolachlor	Dual II Magnum	Syngenta	URMULE			
334															paraquat	Gramoxone	Syngenta	URMULE			
335															2, 4-D	2, 4-D Amine 600	Interprov Co-op Limited	URMULE			
336															napropamide	Devrinol	UPI	URMULE			

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	Crop(s)	Target Pest (common name)	Target Pest (scientific name)	Provincial Pest Ranking										National Pest Priority Rank	Potential Solution (Active Ingredient)	Potential Solutions (Product)	Registrant	Eligibility*	URMULE and/or IR-4 #**	Other		
2				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL									
337	<b>Crop Group # 15 (Corn (fresh sweet, dried field), barley, wheat)</b>																					
338	Buckwheat (tame)	Grassy weeds					1								clethodim	Select / Centurion	Arysta / Bayer		URMULE	D3.2 2003-3275	Processing and freezer studies needed to complete	
339	Buckwheat (tame)	Grassy weeds					2								sethoxydim	Poast Ultra	BASF		URMULE		reduction in PHI	
340	Corn, Field	Bur cucumber	<i>Sicyos angulatus</i>					1							s-metolachlor + bromoxynil + atrazine	Primextra (pre) Pardner + Aatrex (post)	Syngenta + Bayer		URMULE			
341															isoxaflutole + bromoxynil + atrazine	Converge (pre) Pardner + Aatrex (post)	Bayer + Syngenta		URMULE			
342	Corn, Field	Spreading atriplex	<i>Atriplex patula</i>					2							bromoxynil + atrazine	Pardner + Aatrex	Bayer + Syngenta		URMULE			
343	Corn, Field	Horsenettle	<i>Solanum carolinense</i>					3							primisulfuron/ dicamba + nicosulfuron	Summit Extra	Syngenta		URMULE			
344															nicosulfuron / rimsulfuron + dicamba	Ultm + Banvel	DuPont + BASF		URMULE			
345															nicosulfuron / rimsulfuron + dicamba / diflufenzopyr	Ultim Total	DuPont		URMULE			
346															nicosulfuron / rimsulfuron + dicamba / atrazine	Ultim + Marksman	DuPont + BASF		URMULE			
347															nicosulfuron / prosulfuron + dicamba	Accent 1-Pass	DuPont		URMULE			
348	Corn, Field	Common Waterhemp	<i>Amaranthus rudis</i>					4							dicamba + diflufenzopyr	Distinct	BASF		URMULE			
349															dicamba	Banvel	BASF		URMULE			
350	Corn, Field	Biennial	<i>Artemisia biennis</i>					5							dicamba + diflufenzopyr	Distinct	BASF		URMULE			
351															dicamba + atrazine	Marksman	BASF		URMULE			
352															dicamba	Banvel	BASF		URMULE			
353	Corn, seed	Weeds						1														
354	Sweet corn	Fall panicum, crab grass, proso millet	<i>Panicum dichotomiflorum, Digitaria spp., Panicum miliaceum</i>					1				1			sethoxydim	Poast Ultra	BASF		URMULE		Poast tolerant varieties	
355															N/A	K1H 485	Kumiai America		Cat. A			
356	Sweet corn, for fresh market and processing	Annual grasses							1						flufenacet	Define	Bayer		URMULE	07682 A	IR-4 project submitted in 2006?	
357	Sweet corn	Atrazine resistant weeds		n/s																		
358	Sweet corn	Ragweed, thistle						2				2			clopyralid	Lontrel	Dow Agro		URMULE	07788; 2005-1020	Residue data required	
359	Sweet corn	Wild oat	<i>Avena fatua</i>		1																	
360	Grain Sorghum grain Millet	Weeds						1							bromoxynil	Pardner	Bayer		URMULE	2004-0978	on hold due to re-evaluation	
361															bentazon	Basagran	BASF		URMULE	2004-0999	residue & crop tolerance data	
362															atrazine	Aatrex	Syngenta		URMULE	2006-3893	efficiency, tolerance data required	
363															pendimethalin	Prowl	BASF		URMULE			
364															s-metolachlor	Dual II Magnum	Syngenta		URMULE			

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	Crop(s)	Target Pest (common name)	Target Pest (scientific name)	Provincial Pest Ranking										National Pest Priority Rank	Potential Solution (Active Ingredient)	Potential Solutions (Product)	Registrant	Eligibility*	URMULE and/or IR-4 #**	Other
2				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL							
365	Winter & spring triticale	Broadleaf weeds			1										2, 4-D	various	various	URMULE		
366															MCPA	various	various	URMULE		
367															bromoxynil + MCPA	Buctril-M Mextrol/Badge	various	URMULE		
368															fluroxypyr + MCPA ester	Frontline	Dow Agro	URMULE		
369	Spring triticale	Broadleaf weeds & wild oats	<i>Avena fatua</i>		2										tralkoxydim + bromoxynil + MCPA	Achieve Liquid Gold	Syngenta	URMULE		Switch from Achieve DG
370	Spring triticale	Wild oat			1										clodinafop propargyl	Horizon	Syngenta	URMULE		
371	Spring triticale	Canada thistle & other broadleaf weeds			3										clopyralid	Lontrel	Dow Agro	URMULE		
372	Winter wheat	Broadleaf weeds , including chickweed	<i>Stellaria media</i>		1										thifensulfuron-methyl + tribenuron-methyl	Refine Extra	DuPont	URMULE		
373	<b>Crop Group # 16 (Forage, Folder and Straw: corn, wheat, any other cereal grain)</b>																			
374	Millet, pearl (grain /sweet)	Annual grasses								1					s-metolachlor	Dual II Magnum	Syngenta	URMULE		
375															pendimethalin	Prowl	BASF	URMULE		
376	<b>Crop Group # 17 (Bermuda grass, bluegrass, bromegrass or fescue)</b>																			
377	Established timothy, cr red fescue, meadow brome, smooth brome, hybrid brome & tall fescue (seed production)	Broadleaf weeds, incl. C. thistle, p. sow-thistle, kochia, dandelion, nl hawksbeard, sc. Chamomile & winter annuals	<i>Cirsium arvense, Sonchus asper, Kochia scoparia, Taraxacum officinale, Crepis tectorum, Matricaria perforata</i>		4										florasulam + MCPA ester + clopyralid (fall application)	Spectrum	Dow Agro	URMULE		as fall application
378	Seedling tall fescue, meadow BG, smooth BG, CRF, timothy, perennial & annual ryegrass, orchardgrass, Kentucky bluegrass, CWG, SWG, IWG - seed & forage production	Broadleaf and grassy weeds (pre-seed burnoff)				1									florasulam + glyphosate	PrePass	Dow Agro	URMULE		
379	Seedling and established hybrid BG, smoth BG, meadow BG for seed & forage	Grassy weeds				1									fenoxaprop-p-ethyl	Puma Super	Bayer	URMULE		registered on seedling perennial ryegrass for seed

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1	A Crop(s)	B Target Pest (common name)	C Target Pest (scientific name)	D Provincial Pest Ranking											N National Pest Priority Rank	O Potential Solution (Active Ingredient)	P Potential Solutions (Product)	Q Registrant	R Eligibility*	S URMULE and/or IR-4 # **	T Other
				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
380	Seedling & established tall fescue, meadow fescue, est. perennial & seedling annual ryegrass - seed & forage production (seedling only)	Grassy weeds				1									fenoxaprop-p-ethyl	Puma Super	Bayer	URMULE		registered on seedling perennial ryegrass for seed	
381	Seedling & established tall fescue, meadow fescue, CRF, meadow BG, smooth BG, timothy, perennial & annual ryegrass - seed & forage production	Broadleaf weeds				1									florasulam + MCPA ester	Frontline	Dow Agro	URMULE		zero tolerance for cleavers and chickweed product not on Japanese toxic list	
382	Established timothy, smooth BG, meadow BG, hybrid BG and tall fescue - seed production	Broadleaf weeds				1									metsulfuron methyl	Ally	DuPont	URMULE			
383	Seedling & established CR, tall & meadow fescue, timothy, meadow & smooth brome grass, crested wheatgrass, perennial & annual ryegrass - seed & forage	Broadleaf weeds - cleavers, chickweed	<i>Galium aparine, Stellaria media</i>				1								florasulam + MCPA ester	Frontline	Dow Agro	URMULE		zero tolerance for cleavers in grass seed sold into US & European markets; 1 crop added for '07	
384	Seedling & established tall & meadow fescue, meadow, smooth & hybrid brome grass, crested, slender & pubescent wheatgrass, estab perennial ryegrass, sdlg & annual ryegrass - seed & forage	Grassy weeds - wild oat, green foxtail, barnyard grass	<i>Avena fatua, Setaria viridis, Echinochloa crusgalli</i>					2							fenoxaprop-p-ethyl	Puma Super	Bayer	URMULE		zero tolerance for wild oat in US & European markets; 7 crops added for '07	

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1 2	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	Crop(s)	Target Pest (common name)	Target Pest (scientific name)	Provincial Pest Ranking										National Pest Priority Rank	Potential Solution (Active Ingredient)	Potential Solutions (Product)	Registrant	Eligibility*	URMULE and/or IR-4 #**	Other
				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL							
385	Seedling CR & tall fescue, meadow & smooth brome grass, timothy, perennial & annual ryegrass, orchard grass, Ktky bluegrass, crested, slender and intermediate wheatgrass - seed & forage	Broadleaf grass & grassy weeds					3								florasulam + glyphosate	PrePass	Dow Agro	URMULE		pre-seed burn down
386	Established timothy, meadow, smooth & hybrid brome grass, tall fescue (seed) & estab timothy (hay)	Broadleaf weeds - dandelion, narrow-leaved hawk's beard, volunteer clover, scentless chamomille, white cockle, winter annuals	<i>Taraxacum officinale</i> , <i>Crepis tectorum</i> , <i>Trifolium spp.</i> , <i>Matricaria perforat</i> , <i>Silene pratensis</i> , various				4								metsulfuron methyl	Ally	DuPont	URMULE		fall application
387	Established timothy, CR fescue, meadow, smooth & hybrid brome grass, tall fescue (seed) & estab timothy (hay)	Broadleaf weeds					5								florasulam + MCPA + clopyralid	Spectrum	Dow Agro	URMULE		fall application; 2 crops added for '07
388	Established dahurian & Russian widrye, hybrid brome grass, pubescent wheatgrass, slender wheatgrass (seed)	Grassy weeds					6								tralkoxydim	Achieve Liquid	Syngenta	URMULE		
389	Established chewings, hard & sheep fescues (seed)	Grassy weeds					7								quizalofop-p-ethyl	Assure II	DuPont	URMULE		
390	Seedling cr. Red fescue, tall fescue, timothy, meadow & smooth brome, annual & per rye grass, orchardgrass, Kentucky bluegrass, cr, sl and int wheatgrass (seed & forage)	Pre-seed burndown of weeds					3								florasulam + glyphosate	PrePass	Dow Agro	URMULE		

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
391	Seedling & established tall fescue, meadow fescue, smooth, meadow & hybrid brome, cr, slender, int & pub whtgrass, est per ryegrass & sdlg annual ryegrass (seed & forage production)	Wild oats, green foxtail, barnyard grass	<i>Avena fatua</i> , <i>Setaria viridis</i> , <i>Echinochloa crusgalli</i>		5											fenoxaprop-p-ethyl	Puma Super	Bayer	URMULE		registered on seedling perennial ryegrass for seed, AB and AAFC doing additional work needed
392	Established dahurian & Russian wildrye, hybrid brome, pubescent & slender whtgrass (for seed)	Wild oat	<i>Avena fatua</i>		5											tralkoxydim	Achieve Liquid	Syngenta	URMULE		
393	Established timothy - hay production	Broadleaf weeds				1										metsulfuron methyl	Ally	DuPont	URMULE		
394																florasulam + MCPA ester + clopyralid	Spectrum	Dow Agro	URMULE		fall application
395	Chewing , hard & sheep fescue	Quackgrass	<i>Agropyron repens</i>		6											quizalofop-p-ethyl	Assure II	DuPont	URMULE		
396	Established timothy - forage production	Broadleaf weeds, including dandelion, nl hawskbeard, clover, sc. Chamomile, white cockle & winter annuals			2											metsulfuron methyl (fall application)	Ally	DuPont	URMULE		as fall application for crop safety, not on Japanese toxic item list
397	Grass forage	Leafy spurge	<i>Euphorbia esula</i>		2	1										imazapic	Plateau	BASF	URMUR		
398	Grass (forage & seed production)	Foxtail barley	<i>Hordeum jubatum</i>		1																
399	<b>Crop Group # 18 (Alfalfa, clover)</b>																				
400	<b>Crop Group 18</b>	Foxtail barley	<i>Hordeum jubatum</i>		1	1										quizalofop-p-ethyl	Assure II	DuPont	URMULE		
401	Established alfalfa - seed production	Dandelion	<i>Taraxacum officinale</i>		3	1										fomesafen	Reflex	Syngenta	URMULE		
402	Seedling and est. alfalfa - seed production	Canada thistle	<i>Cirsium arvense</i>		2	1															A priority without solution in 2006
403	Seedling & established red & alsike clover, bird's foot trefoil, sainfoin, cicer milk vetch, sdlg sweet clover (seed & forage)	Broadleaf weeds - cleavers, chickweed, hemp nettle, stork's bill	<i>Gallium aparine</i> , <i>Stellaria media</i> , <i>Galeopsis tetrahit</i> , <i>Erodium cicutarium</i>				1									imazomox + imazethapyr	Odyssey	BASF	URMULE		B priority - 2005 zero tolerance for cleavers under GSA in US markets, 1 crop added for '07

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
404	Seedling & established alfalfa, red & alsike clover, bird's foot trefoil, sainfoin, cicer milk vetch, sdg sweet clover (seed & forage)	Broadleaf weeds - cleavers, chickweed, hemp nettle, stork's bill & grassy weeds	<i>Galium aparine</i> , <i>Stellaria media</i> , <i>Galeopsis tetrahit</i> , <i>Erodium cicutarium</i> , various				2								imazethapyr + sethoxydim	Pursuit Ultra	BASF	URMULE		1 crop added for '07	
405	Established alfalfa & bird's foot trefoil (seed)	Broadleaf weeds					4								fomesafen	Reflex	Syngenta	URMULE			
406	Seedling & established red & alsike clover, bird's foot trefoil, sainfoin, cicer milk vetch, sweet clover (seed)	Grassy weeds			2		3								clethodim	Select / Centurion	Arysta / Bayer	URMULE			
407	Seedling and established alfalfa (forage & seed production)	White cockle	<i>Silene pratensis</i>		2																
408	Seedling and established alfalfa (forage & seed production)	Scentless chamomile	<i>Matricaria perforata</i>		2																
409	Seedling and est. alfalfa - seed & forage (seedling only) production	Broadleaf and grassy weeds			1	1									sethoxydim + imazethapyr	Pursuit Ultra (Poast Ultra + Pursuit)	BASF	URMULE			
410	Seedling red clover	Broadleaf and grassy weeds				1									imazamox + imazethapyr	Odyssey	BASF	URMULE			
411	Seedling red clover	Grassy weeds				2									clethodim	Select / Centurion	Arysta / Bayer	URMULE			
412	Seedling alsike clover	Broadleaf and grassy weeds				1					1				imazamox + imazethapyr	Odyssey	BASF	URMULE			
413															imazethapyr	Pursuit	BASF	URMULE			
414	Seedling alsike clover	Grassy weeds				2									clethodim	Select / Centurion	Arysta / Bayer	URMULE			
415	Established red clover	Grassy weeds				1									clethodim	Select / Centurion	Arysta / Bayer	URMULE			
416															quizalofop-p-ethyl	Assure II	DuPont	URMULE			
417															sethoxydim + imazethapyr	Pursuit Ultra	BASF	URMULE			
418	Established alsike clover	Grassy weeds				1									clethodim	Select / Centurion	Arysta / Bayer	URMULE			
419															quizalofop-p-ethyl	Assure II	DuPont	URMULE			
420															fluazifop-p-butyl	Venture L	Syngenta	URMULE			

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
421	Seedling & established sweet & Kura clover, birdsfoot trefoil, cicer milkvetch, sainfoin - seed & forage (seedling only production)	Grassy weeds			1	1									quizalofop-p-ethyl	Assure II	DuPont	URMULE			
422															sethoxydim	Poast Ultra	BASF	URMULE			
423															clethodim	Select / Centurion	Arysta / Bayer	URMULE			
424	Seedling & established sweet & Kura clover, birdsfoot trefoil, cicer milkvetch, sainfoin - seed & forage (seedling only production)	Broadleaf and grassy weeds				2									sethoxydim + imazethapyr	Pursuit Ultra (Poast Ultra + Pursuit)	BASF	URMULE			
425															imazamox + imazethapyr	Odyssey	BASF	URMULE			
426	Seedling & established red clover, alsike clover, sweet Kura, bft trefoil, cicer milk vetch & sweet clover sainford - seed & forage (seedling only) production	Grassy and broadleaved weeds, incl cleavers, chickweed, hemp-nettle & stork's bill	<i>Galium aparine</i> , <i>Stellaria media</i> , <i>Galeopsis tetrahit</i> , <i>Erodium cicutarium</i>		1										imazamox + imazethapyr	Odyssey	BASF	URMULE		BASF may not support	
427															sethoxydim + imazethapyr	Pursuit Ultra (Poast Ultra + Pursuit)	BASF	URMULE			
428	Seedling & established alfalfa - seed & forage (seedling only production)	Broadleaf and grassy weeds			1										sethoxydim + imazethapyr	Pursuit Ultra (Poast Ultra + Pursuit)	BASF	URMULE			
429	Crop Group 18	Foxtail barley	<i>Hordeum jubatum</i>		1										quizalofop-p-ethyl	Assure II	DuPont	URMULE			
430	Crop Group # 19 (Basil (fresh and dried), black pepper, chive, celery seed or dill seed)																				
431	Culinary herb group	Broadleaf weeds						1					1		napropamide	Devrinol	UPI	URMULE			
432	Cumin	Grassy weeds			1										flucarbazone-sodium	Everest	Arysta	URMULE			
433	Caraway	Broadleaf and grassy weeds			1	1									clethodim + linuron	Select / Centurion + Lorox	Arysta + Bayer + DuPont	URMULE	2003-0119	processing residue	
434	Coriander	Broadleaf and grassy weeds			1	1			n/s						clethodim + linuron	Select / Centurion + Lorox	Arysta + Bayer + DuPont	URMULE	2003-0119	processing residue	
435															linuron	Lorox	DuPont	URMULE			

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
436	Milk thistle, feverfew, St. John's Wort	Grassy weeds				1										clethodim	Select / Centurion	Arysta / Bayer	URMULE		
437	Milk thistle, feverfew, St. John's Wort	Broadleaf weeds				2										bromoxynil	Pardner	Bayer	URMULE		
438	Milk thistle	Desiccation				1										diquat	Reglone	Syngenta	URMULE		
439	<b>Crop Group # 20 (Rape Seed, sunflower)</b>																				
440	Flax	Broadleaf weeds			1	1	1									sulfentrazone	Authority	FMC	Pending URMUR		B+ priority in 2006
441	Sunflowers	Broadleaf weeds including wild buckwheat & ragweed	<i>Polygonum convolvulus</i>		3		3														
442	Sunflowers	Broadleaf weeds & grassy weeds			1		1									imazomox	Solo	BASF	URMULE	3.2 review	Use on Clearfield sunflowers
443																ethametsulfuron-methyl + quizalofop-p-ethyl	Muster Gold II	DuPont	URMULE		
444																sulfentrazone	Authority	FMC	Pending URMUR		
445	<b>Not included in crop group</b>																				
446	Asparagus	Broadleaf weeds for redroot pigweed resistant to Grp 5 simazine/sinbar			1											sulfentrazone	Authority	FMC	Pending URMUR	06661; AAFC 2006	
447																halosulfuron	Sandea	Gowan	Cat. A	06842	
448	Asparagus	Weeds/Grasses incl. vetch			2			2	2							clethodim	Select / Centurion	Arysta / Bayer	URMULE	05427	
449																s-metolachlor	Dual II Magnum	Syngenta	URMULE		submitted Nov. 2006
450	Asparagus	Tufted vetch	<i>Vicia cracca</i>						3							clopyralid	Lontrel	Dow Agro	URMULE		
451																dicamba	Banvel	BASF	URMULE		
452	Asparagus	Broadleaf weeds						1	1							flumioxazin	Chateau	Valent	Cat. A	08059 A	Cat. A subm. June 2007
453																sulfentrazone	Authority	FMC	Pending URMUR		
454																linuron	Lorox	DuPont	URMULE		
455																s-metolachlor	Dual II Magnum	Syngenta	URMULE	01908	submitted Nov. 2006
456																halosulfuron	Sandea	Gowan	Cat. A	06842	registered in USA
457																mesotrione	Callisto	Syngenta	URMULE	09776	IR-4 / Syngenta project
458	Artichokes	Weeds						1													
459	Canary seed	Broadleaf and grassy weeds (pre-seed burnoff)			1											florasulam + glyphosate	PrePass	Dow Agro	URMULE		
460	Hemp - Industrial	Grassy weeds					2									quizalofop-p-ethyl	Assure II	DuPont	URMULE		Ontario registration expanded to national URMULE
461	Hemp for seed and fibre production	Canada thistle	<i>Cirsium arvense</i>		2	2										clopyralid	Lontrel	Dow Agro	URMULE		
462	Hemp for seed and fibre production	Broadleaf weeds			1		1									bromoxynil	Pardner	Bayer	URMULE		

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
463	Hemp for seed and fibre production	Broadleaf and grassy weeds			3	3										sethoxydim + bromoxynil	Poast Ultra + Pardner	BASF / Bayer	URMULE		
464	Outdoor ornamentals field and container	Broadleaf weeds in selective post-emergence (bittercress, groundsel)	<i>Cardamine pennsylvanica</i> , <i>Senecio vulgaris</i>						1							clopyralid	Lontrel	Dow Agro	URMULE		
465	Outdoor ornamentals field and container	Broadleaf weeds in selective post-emergence (bittercress, groundsel) and grasses in pre-emergence	<i>Cardamine pennsylvanica</i> , <i>Senecio vulgaris</i>						2							isoxaben	Gallery	Dow Agro	URMULE	D.3.2: 2006-4964	
466																mesotrione	Callisto	Syngenta	URMULE		USA: registrant interested to develop on ornamentals
467																oxyfluorfen + pendimethalin	Ornamental Herbicide II	Scott's	Cat. A		Registered in USA
468	Outdoor ornamentals container = perennials (trees and shrubs)	Liverwort	<i>Marchantia polymorpha</i>						3							carfentrazone-ethyl	Aim	FMC	Pending Cat. A		USA: FMC interested to develop on ornamentals vs algae and moss
469																oxyfluorfen + pendimethalin	Ornamental Herbicide II	Scott's	Cat. A		Registered in USA
470	Outdoor ornamentals container = perennials (trees and shrubs)	Annual overwintering grasses (annual blue grass)	<i>Poa annua</i>						4							oxyfluorfen + pendimethalin	Ornamental Herbicide II	Scott's	Cat. A		Registered in USA
471																ethofumesate	Prograss	Bayer	Cat. A		USA: non-registered use
472																fenoxaprop-p-ethyl	Acclaim	Bayer	URMULE		Registered in USA
473	Outdoor cut flowers	Weeds			1			2								linuron	Lorox	DuPont	URMULE	2004-1707	Does AAFC project s-moc include outdoor cut; need screening
474	Outdoor cut flowers	Broad spectrum pre-emergence herbicide			1											metamitron	Goltix	Makhteshim	URMUR		
475	Outdoor cut flowers	Annual grasses (Bluegrass)			2			1								clethodim	Select / Centurion	Arysta / Bayer	URMULE		
476																sethoxydim	Poast Ultra	BASF	URMULE		
477	Ornamentals, greenhouse	Growth regulation						3								ethephon	Ethrel	Bayer	URMULE	1998-0891	OE data requirement
478	Ornamentals, greenhouse	Chickweed, Oxalis, under benches	<i>Stellaria media</i> and <i>Oxalis stricta</i>																		
479	Ornamentals, greenhouse	Grasses, under benches																			
480	Ornamentals, outdoor	Liverwort pre-emergence (container)						1								flumioxazin	Chateau	Valent	Cat. A		
481																quinoclamine	Mogeton	Chemtura	Cat. A		
482	Ornamentals, outdoor (nursery)	Broadleaf weeds (containers including horsetail)			1											oxyfluorfen	Goal	Dow Agro	URMULE		

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
483																flumioxazin	Chateau	Valent	Cat. A		
484																isoxaben	Gallery	Dow Agro	URMULE	2003-2031	
485	Ornamentals, outdoor	Common groundsel, pearlwort, bittercress, oxtails in container crops	<i>Senecio vulgaris, Sagina spp., Cardamine spp.</i>	4				1								flumioxazin	Chateau	Valent	Cat. A	2005-1758	
486																oxyfluorfen	Goal	Dow Agro	URMULE		
487																oxadiazon + napropamide	PrePair	UAP	URMULE		
488																					
489	Ornamentals, outdoor	Weeds in field production, incl. horsetail, groundsel, chickweed, mustards (post-emerg)	<i>Equisetum arvense</i>	2		2		2	5							pendimethalin	Prowl	BASF	URMULE		
490																MCPA	various	Various	URMULE		
491																isoxaben	Gallery	Dow Agro	URMULE		perennial monocot (day lily, funkia, grasses)
492																oxyfluorfen	Goal	Dow Agro	URMULE		forestry request
493																mesotrione	Callisto	Syngenta	URMULE		forestry request
494	Ornamentals, outdoor	Willowherb in container crops	<i>Epilobium spp.</i>					3								dicamba	Banvel	BASF	URMULE		use in between and around container crops (non-crop soil)
495	Ornamentals, outdoor	Dandelions in field production	<i>Taraxacum officinale</i>					4								2, 4-D	2, 4-D	UAP	URMULE		
496	Ornamentals, outdoor (container)	Liverworts pre-emergence control		3				5								quinoclamine	Mogeton	Chemtura	Cat. A		forestry request
497																flumioxazin	Chateau	Valent	Cat. A	2005-1758	forestry request
498	Ornamentals, outdoor (container)	Post emergence control		3												quinoclamine	Mogeton	Chemtura	Cat. A		
499	Ornamentals, outdoor (container)	Broad-spectrum pre-emergence herbicide		4												oxyfluorfen + pendimethalin	Ornamental Herbicide II	Scott's	Cat. A		
500	Ornamentals, outdoor (field)	Pre-emergence herbicide		1		1										pendimethalin	Prowl	BASF	URMULE		good crop tolerance in nursery
501																linuron	Lorox	DuPont	URMULE		registered in Alberta, want for BC
502																isoxaben	Gallery	Dow Agro	URMULE		
503																oxyfluorfen	Goal	Dow Agro	URMULE		
504	Christmas trees	Broadleaf weeds (milkweed)	<i>Asclepias syriaca</i>						1												Needed for the control the lowering stage of weeds
505	Short Rotation Intensive Culture (SRIC) poplar crops	Broadleaf and grassy weeds	various	1	1	1										linuron	Lorox L, Lorox DF	DuPont	URMULE	2006-5106 2006-7741	rationale in place to bridge over from shelterbelts

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				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
506																flumioxazin	Chateau	Valent	Cat. A		need a pre-emergent for use in early spring before weeds grow while trees are still dormant
507	Short Rotation Intensive Culture (SRIC) poplar crops	Grasses	various	1	1	2	1									sethoxydim	Poast Ultra	BASF	URMULE	2006-4613	registered on trees, shrubs, bearing and non-bearing fruit trees, berries, shelterbelts; need for planting and non-planting
508	Prairie Carnation (Saponaria vaccaria)	Grassy weeds			2	2										clethodim	Select / Centurion	Arysta / Bayer	URMULE		
509	Prairie Carnation (Saponaria vaccaria)	Broadleaf weeds			1	1										isoxaflutole	Converge	Bayer	URMULE		
510	Turf (golf course)	Silvrey thread moss	<i>Bryum argenteum</i>	2				1								copper hydroxide	Kocide 2000	DuPont	URMULE	2004-2823	BC subm, trials underway in BC and Ont
511																quinoclamine	Mogeton	Chemtura	Cat. A		
512	Turf	Crabgrass		1												dithiopyr	Dimension	Dow Agro	URMULE		registered in Eastern Canada for this use
513	Turf (home lawn, sod and golf course)	Crabgrass	<i>Digitaria spp.</i>					3								dithiopyr + fenoxaprop-ethyl	Dimension + Acclaim	Dow Agro + Bayer	URMULE		
514	Turf (sod / golf course)	Annual bluegrass	<i>Poa annua</i>					2								ethofumesate	Prograss	Bayer	Cat. A		
515																bispyribac sodium	Velocity	Valent	Pending URMUR		submitted by registrant
516																corn gluten meal	Wow Plus	Gardens Alive ! Inc.	Cat. A		various weeds
517	Sod	Blue grass (pre-emergence and post-emergence)	<i>Poa annua</i>						1							linuron	Lorox	DuPont	URMULE		Temporary phytotoxicity
518																s-metolachlor	Dual II Magnum	Syngenta	URMULE		USA registered use on sod
519																pendimethalin	Prowl	BASF	URMULE		
520																prohexadione calcium	Apogee	BASF	URMULE		USA registered use
521																ethofumesate	Prograss	Bayer	Cat. A		USA registered use on sod
522	Sod	Quackgrass	<i>Agropyron repens</i>						2												need for an alternative Round-UP
523	Sod	Perennial grasses (Redtop)	<i>Agrostis alba</i>						3												
524	Sea buckthorn	Grassy weeds (including quackgrass)			1											quizalofop-p-ethyl	Assure II	DuPont	URMULE		
525	Sea buckthorn	Broadleaf weeds							1							carfentrazone-ethyl	Aim	FMC	Pending Cat. A		
526																flumioxazin	Chateau	Valent	Cat. A		Cat. A subm. June 2007
527																terbacil	Sinbar	DuPont	URMULE		

2007 WEED / GROWTH REGULATORS  
Minor Use National Priority Listing

1	A Crop(s)	B Target Pest (common name)	C Target Pest (scientific name)	D M Provincial Pest Ranking											N National Pest Priority Rank	O Potential Solution (Active Ingredient)	P Potential Solutions (Product)	Q Registrant	R Eligibility*	S URMULE and/or IR-4 # **	T Other
				BC	AB	SK	MB	ON	QC	NB	NS	PE	NL								
528	Sea buckthorn	Grasses														sulfentrazone	Authority	FMC	Pending URMUR		
529									2							clethodim	Select / Centurion	Arysta / Bayer	URMULE		
530																sethoxydim	Poast Ultra	BASF	URMULE		
531																fluzifop-p-butyl	Venture	Syngenta	URMULE		
532	<b>Organic Production</b>																				
533	Carrot	Annual grasses, broadleaf weeds, in pre-emergence							2							fatty acids	Safer's TopGun	Woodstream Canada Corp	URMULE		Registered for domestic use
534	Raspberry, biannual	Annual grasses, broadleaf weeds in pre-emergence							2							fatty acids	Safer's TopGun	Woodstream Canada Corp	URMULE		Registered for domestic use
535																clove leaf oil	Matran EC	EcoSmart	Cat. A		USA: OMRI product exempted
536	Cranberry	Perennial grasses (quackgrass)	<i>Agropyron repens</i>						1							acetic acid	Ecoclear	Ecoval	URMULE		CETAQ preparing support document
537	Cranberry / Blueberry	Weeds								1						acetic acid	Ecoclear	Ecoval	URMULE		
538	<b>Organic Crops</b>	Broadleaf and grassy weeds							1				1			acetic acid	Ecoclear	Ecoval	URMULE	domestic product currently	CETAQ preparing support document
539																Extract of citrus and other plants	GreenMatch	Marrone Organic Innovations	Cat. A		post-emerg. Fast burndown
540																					
541	* URMULE = User Requested Minor Use Label Expansion; product already available in Canada on other commodities																				
542	URMUR = User Requested Minor Use Registration; product not registered in Canada yet, but available for same use in USA or EU																				
543	Cat. A = Registrant submission																				
544	Pending Cat. A = Registrant submission under review at PMRA																				
545																					
546	** If an URMULE # is already assigned and outstanding data is required, list the D.3.1 or D.3.2 number AND data requirement.																				
547	Fill in the IR-4 project (PR) number if applicable.																				
548																					
549																					
550																					