

Report of the Pesticide Working Group (PWG) - Addition *Poplar Council of Canada*

Attached are four updated lists of pesticides labelled in Canada for Poplar and Willow.

There are three lists for:

- Herbicides (4 pages)
- Fungicides (2 pages)
- Insecticides (2 pages)
- Active URMULEs for poplar and willow (1 page) – **NOT YET** labelled for use

The format of the first three lists is as shown below. The category 'Use Pattern' (the last two columns) is only applicable to Herbicides.

PCP#	Active Ingredient	Product Name	Company	Poplar					Willow					Use Pattern		
				SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	Pre-Emergent	Post-Emergent	
11111	Example 1	Herbicide 1	Santa Claus Ltd.	✓	✓											X
66666	Example 2	Fungicide 2	Easter Bunny Inc.	✓	✓	✓						✓				
88888	Example 3	Insecticide 3	Halloween LP.		✓		✓				✓					

On the attached lists, these PCP#'s (Pest Control Product numbers) are **not hyperlinked** to the Pest Management Regulatory Agency of Health Canada (English language). To access label search (and use PCP#):

English language: <http://www.hc-sc.gc.ca/cps-spc/pest/registant-titulaire/tools-outils/label-etiq-eng.php>, or

French language: <http://www.hc-sc.gc.ca/cps-spc/pest/registant-titulaire/tools-outils/label-etiq-fra.php>.

Herbicides registered for poplar and willow in various use categories
Updated: 22 May 2013

PCP#	Active Ingredient	Product Name	Company	Poplar					Willow					Use Pattern		
				SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	Pre-Emergent	Post-Emergent	
25684	Amitrol	Nufarm Amitrol 240 Liquid (Note 1)	Nufarm Agriculture Inc.	✓	✓											X
23545	Clopyralid	Lontrel 360	Dow AgroSciences Canada Inc.	✓	✓	✓?						✓				X
12533	Dichlobenil	Casoron G-4	Chematura Canada Co.	✓	✓	✓	✓	✓			✓	✓	✓	X-1		
21209	Fluazifop-P-Butyl	Venture L (Note 2)	Syngenta Crop Protection Canada Inc.	✓	✓	✓	✓	✓					✓			X
29235	Flumioxazin	Flumioxazin 51WDG Herbicide	Valent Canada Inc.			✓		✓			✓		✓	X	X-2	
29236	Flumioxazin	SureGuard Herbicide	Valent Canada Inc.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X-2	
19899	Glyphosate	Vision Silvicultural	Monsanto Canada Inc.	✓	✓	✓					✓					X
26171	Glyphosate	Vantage Plus	Dow AgroSciences Canada Inc.			✓	✓				✓	✓				X
26401	Glyphosate	Forza Silvicultural	Chemnova Canada	✓	✓	✓					✓					X

PCP#	Active Ingredient	Product Name	Company	Poplar					Willow					Use Pattern	
				SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	Pre-Emergent	Post-Emergent
26828	Glyphosate	Cheminova Glyphosate	Cheminova Canada			✓	✓	✓			✓	✓	✓		X
26884	Glyphosate	Vantage Forestry	Dow AgroSciences Canada Inc.	✓	✓	✓					✓				X
27487	Glyphosate	Roundup WeatherMax	Monsanto Canada Inc.	✓	✓	✓	✓	✓			✓	✓	✓		X
27615	Glyphosate	Vantage Plus Max	Dow AgroSciences Canada Inc.	✓	✓	✓	✓				✓	✓			X
27736	Glyphosate	Vision Max Silvicultural	Monsanto Canada Inc.	✓	✓	✓	✓	✓			✓	✓	✓		X
16279	Linuron	Lorox L Liquid	Tessenderlo Kerley, Inc.	✓ ¹								✓ ¹			X
25230	Napropamide	Devrinol 10-G Selective Granular	United Phosphorus Inc.			✓								X	
25231	Napropamide	Devrinol 50 DF- Selective Flowable	United Phosphorus Inc.			✓		✓						X	
25297	Napropamide	Devrinol 2-G- Selective Granular	United Phosphorus Inc.			✓ ²		✓ ²						X	
28512	Napropamide	Devrinol 2-G ready to Use Herbicide- Selective Granular	United Phosphorus Inc.			✓ [?]		✓						X	

PCP#	Active Ingredient	Product Name	Company	Poplar					Willow					Use Pattern	
				SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	Pre-Emergent	Post-Emergent
24913	Oxyfluorfen	Goal 2XL Emulsifiable	Dow AgroSciences Canada Inc.	✓		✓3	✓3							X	X
8661	Paraquat	Gramoxone® Liquid Herbicide	Syngenta Crop Protection Canada Inc.	✓4		✓4	✓4	✓4	✓4		✓4	✓4	✓4		X
24835	Sethoxydim	Poast Ultra Liquid Emulsifiable	BASF Canada Inc.	✓	✓	✓5	✓6								X
25728	S-Metolachlor	Dual Magnum Agricultural	Syngenta Crop Protection Canada Inc.			✓7								X	X-3
25729	S-Metolachlor	Dual II Magnum Agricultural	Syngenta Crop Protection Canada Inc.			✓7								X	X-3

- PCP# = Pest Control Products Number.
 - Poplar includes aspen.
 - The author, the Pesticide Working Group and the Poplar Council of Canada do not assume liability for crop losses, safety or environmental hazards caused by the use, practices or products listed. The user should follow the product label.
- ✓? Label does not specify nursery, but interpretation could well include it.
- ✓1 Linuron - western Canada only. Lorox L (linuron) – Post-emergence only for Shelterbelt poplar and willow and SRIC poplar established for one year (read 1 season).
- ✓2 *Populus alba* is listed as only poplar species. **Consider all *Populus* species as labelled.**

- ✓3 Correspondence from PMRA clearly states: "New and Established Plantings of *Populus* species (Poplars and Aspens) and Their Hybrids (including Short Rotation Intensive Culture - SRIC)". Thus it includes planting stock production of poplars (field-grown), either stoolbeds or bareroot beds.
- ✓4 **Special caution is needed for all operators; see website. Label allows shelterbelt use** and inter-row directed chemical weeding of (vegetable), **field and established nursery crops**. It does not specify crops. Note the health warnings on the label and the need for full PPE - see: www.syngenta.com/pqmedguide.
- ✓5 Includes nurseries for rooted cuttings (poplar and aspen).
- ✓6 Labelled for poplar plantings, which logically should include shelterbelt poplars.
- ✓7 Second-year or older stoolbed.
- X-1 Use after crop established for 6 months; **bare soil required**.
- X-2 Post-Emergent in a tank mix with glyphosate.
- X-3 Early Post-Emergent.

Note 1 This product is on the way out - Still OK for use, pending re-evaluation; email correspondence 14 May 2012.

Note 2 Venture L still sold in eastern Canada and can be obtained through national distributors - note from Syngenta via Jim Chaput on 4 January 2011.

Fungicides registered for poplar and willow in various use categories
Updated: 23 May 2013

PCP#	Active Ingredient	Product Name	Company	Poplar					Willow				
				SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)
15724	Chlorothalonil	Daconil® 2787 Flowable Fungicide	Syngenta Crop Protection Canada, Inc.					✓					
28354	Chlorothalonil	Daconil® Ultrex Fungicide	Syngenta Crop Protection Canada, Inc.					✓					
30165	Chlorothalonil	Daconil® 720 Fungicide	Syngenta Crop Protection Canada, Inc.					✓					
25940	Tebuconazole	Folicur 432 F	Bayer CropScience Inc.	✓		✓	✓ ¹		✓		✓	✓ ¹	
12279	Thiophanate-methyl	Senator 70WP 1 Fungicide	Nippon Soda Co., Ltd.	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²					
25343	Thiophanate-methyl	Senator 70WP Fungicide	Nippon Soda Co., Ltd.	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²					
27297	Thiophanate-methyl	Senator 70WP WSB Fungicide	Nippon Soda Co., Ltd.	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²					

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- ✓1 Although Shelterbelt is not specifically mentioned, its use is probably OK, especially in the production of nursery stock.
- ✓2 Aspen and poplar; label does not make distinction between crop types.

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- ✓1 Only apply in Field borders, headlands, rights-of-way and roadsides. Do NOT apply in the crop itself.
- ✓2 Biological insecticide for use in crop and rangeland in general.
- * Ground and aerial application.
- ** Ground application only.

Active URMULEs for poplar and willow
Updated: 22 May 2013

PCP#	Active Ingredient	Pesticide Type			Product Name	Company	Poplar					Willow					Use Pattern	
		Herbicide	Fungicide	Insecticide			SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	SRIC Crop	Plantation	Nursery (stoolbed)	Shelterbelt	Nursery (ornamental)	Pre-Emergent	Post-Emergent
23545	Clopyralid (Note 1)	Y			Lontrel 360	Dow AgroSciences Canada Inc.						✓	✓	✓				X
16279	Linuron	Y			Lorox L Liquid	Tessengerlo Kerley, Inc.	✓ ¹	✓ ¹	✓ ¹	✓		✓ ¹	✓ ¹	✓ ¹	✓		X	X
10628	Terbacil	Y			Sinbar herbicide WP	Tessengerlo Kerley, Inc.	✓	✓	✓	✓		✓	✓	✓	✓		X	X

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- ✓¹ Lorox L (linuron) – Now also applied for national registration/labelling for both SRIC poplar and SRIC willow as a pre- **and** post-emergent. Currently under re-evaluation by PMRA – all work on URMULE suspended by PMRA.
- Note 1** Already labelled for SRIC poplar and shelterbelt willow. URMULE to include SRIC willow, Plantation willow & planting stock production.