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Re-evaluation Decision

RVD2016-08

Quinclorac

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Re-evaluation Decision

Quinclorac is a herbicide registered for use on cereal and oilseed crops in the Prairie Provinces and Peace River region of British Columbia to control and/or suppress certain grassy and broadleaved weeds. Quinclorac products can be applied once per season every second year using ground equipment only. A total of eleven products containing quinclorac are currently registered under the authority of the *Pest Control Products Act*, including two technical grade active ingredients, a manufacturing concentrate and eight commercial class end-use products.

After a re-evaluation of quinclorac, Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act*, is granting continued registration of products containing quinclorac for sale and use in Canada. An evaluation of available scientific information found that products containing quinclorac do not present unacceptable risks to human health or the environment when used according to the requirements of continued registration listed below, which include revised label directions for all products. Appendix I lists the required label amendments, and Appendix II lists currently registered products containing quinclorac. No additional data are requested at this time.

Requirements for Continued Registration

Human Health

- Updated label statements for clarification or to meet current standards.

Environment

- Standard environmental hazard and advisory label statements.
- Spray buffer zones (2–4 metres) to protect non-target terrestrial plants.

The PMRA's pesticide re-evaluation program considers potential risks, as well as value, of pesticide products to ensure they meet modern standards established to protect human health and the environment. Regulatory Directive DIR2012-02, *Re-evaluation Program Cyclical Re-evaluation*, presents the details of the cyclical re-evaluation approach, which is in line with the requirements of the *Pest Control Products Act*. Re-evaluation draws on data from registrants, published scientific studies, information from other regulatory agencies and any other relevant information available.

This re-evaluation decision¹ was proposed in the consultation document, Proposed Re-evaluation Decision PRVD2016-15, *Quinclorac*. No comments were received during the consultation process. Therefore, this decision is consistent with the proposed re-evaluation decision stated in PRVD2016-15. Please refer to both the Overview and more detailed Science Evaluation of PRVD2016-15 for the human health and environmental considerations underlying this re-evaluation decision. A reference list for all data used as the basis for the re-evaluation decision is also included in PRVD2016-15.

To comply with this decision, the required label amendments must be implemented on all products sold by registrants no later than 24 months after the publication date of this document. Registrants of the products containing quinclorac will be informed of the specific requirements affecting their product registration(s) and of the regulatory options available to them.

Other Information

Any person may file a notice of objection² regarding this decision on quinclorac within 60 days from the date of publication of this Re-evaluation Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides and Pest Management portion of the Health Canada website (Request a Reconsideration of Decision) or contact the PMRA Pest Management Information Service.

¹ “Decision statement” as required by subsection 28(5) of the Pest Control Products Act.

² As per subsection 35(1) of the *Pest Control Products Act*.

Appendix I Label Amendments for Commercial Class Products Containing Quinclorac

The label amendments presented below do not include all label requirements for individual end-use products, such as first aid statements, disposal statements, precautionary statements and supplementary protective equipment. Information on labels of currently registered products should not be removed unless it contradicts the following label statements.

1. ENVIRONMENTAL HAZARDS

Add the following statements:

TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

LEACHING

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of quinclorac in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

RUN-OFF

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

2. DIRECTIONS FOR USE

Plant back interval (PBI):

- The label statement for a 10 month PBI for canola may be removed.
- The PBI for rotational crops flax and lentils may be reduced to 10 months (from 22 months).

For the end-use products lacking REI statements (i.e. Registration Number 25118):

The restricted entry interval is 12 hours after application for all agricultural uses.

The following statement is required for all agricultural and commercial pesticide products:

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.

For field applications using conventional boom sprayers (agricultural or commercial products), the following statements are required:

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification. Boom height must be 60 cm or less above the crop or ground.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats.

Buffer Zones for the Protection of Terrestrial Habitats from Spray Drift of Quinclorac

Method of application	Crop	Application Rate g product/ha	Buffer Zones (metres) Required for the Protection of Terrestrial Habitats
<i>Field sprayer</i>	<i>Wheat, canary seed</i>	<i>165</i>	<i>4</i>
	<i>Canola, barley, wheat, canary seed</i>	<i>135</i>	<i>3</i>
	<i>Wheat, barley, canola, lentils, peas, sunflower , oats, flax</i>	<i>87 - 99.5</i>	<i>2</i>

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

**Appendix II Quinclorac Products Registered in Canada as of 5
January 2016, Excluding Discontinued Products or
Products with a Submission for Discontinuation**

Registration Number	Marketing Type	Registrant Name	Product Name	Formulation Type	Guarantee ¹
25118	Commercial	BASF Canada Inc.	Accord Dry Flowable Herbicide	Dry flowable	75%
31539	Commercial		Facet L	Solution	180 g ae/L
28349	Commercial	E.I. DuPont Canada Company	Triton C 75 DF Herbicide	Wettable granules	QUC-57.8% MMM-11.5% MEX-5.8%
28622	Commercial		Triton C Herbicide	Wettable granules	QUC-51.55%; MEX-5.15%; MMM-10.30%;
30121	Commercial		Pp-Q52-105 Herbicide	Wettable granules	QUC-51.55% MMM-10.3% MEX-5.15%
30583	Commercial		PP-Q50-882 Herbicide	Dry flowable	QUC-50% MMM-7.5% MEX-7.5% MEM-1.5%
31365	Commercial	Productierra	Clever Dry Flowable Herbicide	Dry flowable	75%
31753	Commercial	Univar Canada Ltd.	Masterline Quinclorac	Dry flowable	75%
28962	Manufacturing	BASF Canada Inc.	Accord Dry Flowable Bulk Herbicide	Dry flowable	75%;
25117	Technical		Quinclorac Technical	Not applicable	98%
31364	Technical	Productierra	Technical quinclorac	Solid	100%