

**BRITISH COLUMBIA, ALBERTA, ONTARIO, QUEBEC and NOVA SCOTIA Berry  
Crops and Stone Fruit Growers Receive Urgently Needed Emergency Use  
Registrations for SPOTTED WING DROSOPHILA**

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The Pest Management Regulatory Agency (PMRA) recently announced the approval of several emergency use registrations for **DELEGATE, ENTRUST, MALATHION and RIPCORD Insecticides** for control of **spotted wing drosophila (SWD)** in Nova Scotia, Quebec, Ontario, Alberta and British Columbia on berry crops and stone fruit. These pest control products were already labeled in Canada for control of other insects on these crops. In 2010, the emergency use registrations of these products helped British Columbia berry crop and stone fruit producers manage this serious pest problem. Furthermore several minor use submissions are underway to seek eventual, full registration of these products for SWD control in Canada.

SWD is a new pest to North America and attacks thin-skinned, ripening fruit of blueberries, raspberries, strawberries, peaches, apricots, cherries, nectarines, grapes and others and was identified in fruit growing areas in U.S. and British Columbia in 2008 and 2009. Larvae hatch and feed on the fruit. Disease pathogens and other insect pests can enter through the egg-laying holes, causing further deterioration of the fruit. The damaged, infested fruit is unmarketable and an economic loss to growers. In 2010 significant fruit damage occurred in B.C.'s stone fruit and berry crops. In 2011, it is anticipated that SWD will spread to many regions of North America putting many berry crop and stone fruit producers at risk for serious crop losses. See the following link also: <http://www.omafra.gov.on.ca/english/crops/facts/pest-alert-swd.htm>

The following table provides a summary of the emergency use registrations for SWD on the Entrust, Delegate, Malathion and Ripcord labels. **Consult the full product labels for detailed instructions, precautions and restrictions. Note that each label is approved for use on crop subgroups 13-07A (caneberries), 13-07B (bushberries), grapes, strawberries and crop group 12 (stone fruit).**

<b>Product Rate(s)</b>	<b>Remarks</b>	<b>Pre-harvest Interval(s)</b>
<b>DELEGATE</b>		
Consult label for crop specific information	Maximum of 3 applications per year with a re-treatment interval of 7 days	5 days – cherries 4 days - grapes 3 days – apricots, plums, peaches, nectarines, bushberry 1 day – caneberries, strawberries
<b>ENTRUST</b>		
Consult label for crop specific information	Maximum of 3 applications per year with a re-treatment interval of 5 days	5 days – cherries 4 days - grapes 3 days – apricots, plums, peaches, nectarines, bushberry 1 day – caneberries, strawberries

<b>MALATHION</b>		
Consult label for crop specific information	Maximum of 2 applications per year with a re-treatment interval of 7 - 14 days – stone fruit, strawberry, currant, caneberries, gooseberries. Maximum of 3 applications per year with a re-treatment interval of 7 - 14 days – blueberries. Maximum of 1 application - grapes	3 days – stone fruit, strawberry, currant, gooseberry, grapes 2 days – blueberries 1 day - caneberries
<b>RIPCORD</b>		
Consult label for crop specific information	Maximum of 2 applications per year with a re-treatment interval of 7 days	2 days – all crops except grapes 7 days - grapes

**Follow all other directions for use on the Entrust, Delegate, Malathion and Ripcord labels carefully. These products should be used in an IPM program and in rotation with other management strategies to adequately manage resistance.**

We wish to thank the personnel of OMAFRA, Ministère Agriculture, Pêcheries et Alimentation du Québec, Alberta Agriculture, BC Agriculture and Nova Scotia Agriculture for their input, support and assistance and for helping to prepare the rationale documents on behalf of Ontario, Quebec, Nova Scotia, BC and Alberta berry crops and stone fruit growers. We also wish to thank the personnel of the Ontario Ministry of the Environment, BC Environment, Alberta Environment, Quebec Environment, Nova Scotia Environment and **UAP Canada, Dow AgroSciences and BASF** for their support of these registrations and the personnel of the **Pest Management Regulatory Agency** for evaluating and approving these important pest management tools. Special thanks are expressed to the **Conseil québécois de l'horticulture, Ontario Fruit & Vegetable Growers, BC Fruit Growers and BC Blueberry Council** who helped to cover the submission fees for these emergency use registrations.

For copies of the emergency use labels contact Denise Beaton, OMAFRA, Guelph (519) 826-6594, Hannah Fraser, OMAFRA, Vineland (905) 562-1674 or visit UAP Canada Inc. website at [www.uap.ca](http://www.uap.ca) for Malathion, Dow AgroSciences Canada Inc. website at <http://www.dowagro.com/ca> for Entrust and Delegate and BASF Inc. website at <https://agro.basf.ca/basf/agsolutions/SelectRegion.htm> for Ripcord.

Note\* Growers in Nova Scotia can get copies of the labels by contacting Lorne Crozier, NSDA, at [crozielm@gov.ns.ca](mailto:crozielm@gov.ns.ca) or from AgraPoint crop specialists.