

Alternatives Matrix for Canada

<b>Party:</b>	<b>Canada</b>		
<b>Use category</b>	<b>Alternatives available</b>	<b>Status of Registration</b>	<b>Alternatives under development</b>
PRE-PLANT: Strawberry runners (PEI)	Telone (1,3-D) 1,3-D, Chloropicrin 1,3-D, Chloropicrin, Metam Sodium 1,3-D, Chloropicrin, Pebulate® 1,3-D, Metam Sodium 1,3-D, Metam sodium, Basamid® 1,3-D, MITC Basamid® (dazomet)  Chloropicrin  Metam sodium Metam sodium, Chloropicrin MIDAS™ (Iodomethane) Soiless culture Substrates/Plug plants Metam potassium	Prohibited for use in PEI Prohibited for use in PEI Prohibited for use in PEI Prohibited for use in PEI Prohibited for use in PEI Prohibited for use in PEI Prohibited for use in PEI Registered Registered Federally, but a use permit is required at provincial level. As of January 2012, a provincial permit has not been issued.  Registered Not registered Not registered Registration not required Registration not required Registered	
POST-HARVEST: Flour mills/Pasta manufacturing facilities	Carbon bisulphide (carbon disulfide)  Carbon dioxide Carbon dioxide & sulfur dioxide	Not registered Registered for grain and flour storage areas Not registered	Sulfuryl Fluoride

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	Carbon monoxide & dioxide	Not registered	
	Carbonyl sulphide	Not registered	
	Cyanogen	Not registered	
	Ethyl or methyl formate	Not registered	
	Ethylene oxide	Not registered	
	Hydrogen cyanide	Not registered	
	Methyl iodide	Not registered	
	Methyl isothiocyanate (MITC)	Not registered	
	Phosphine alone (aluminum phosphide, magnesium phosphide)	Registered	
	Phosphine & Carbon dioxide	Registered	
	Heat, Phosphine & Carbon dioxide	Registered	
	Propylene oxide	Not registered	
	Diatomaceous earth	Registered	
	Heat Treatment	Registration not required	
	Integrated pest management (IPM)	Registration-required for components that are pest control products.	
	Sulfuryl Fluoride	Registered for empty facilities	

***Possible date of registration***

Voluntarily withdrawn by registrant -->  
Last date of sale is 30 November 2011  
and expiry date for registration is 31  
December 2011 and will no longer be  
permitted for use after this date.

Re-evaluation on-going  
Still under re-evaluation by Health  
Canada's Pest Management Regulatory  
Agency - PMRA is reviewing studies on  
the effect of PIC on groundwater, which  
was submitted by the registrant in 2011  
Re-evaluation on-going

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Sulfuryl Fluoride is registered for use in  
empty facilities since April 2006. Label  
expansion (from conditional to full  
registration and adding new pests and  
commodities) is being sought by  
registrant.

***Possible date of registration***

Re-evaluation ongoing