



**Australian Government**

**Department of the Environment, Water, Heritage and the Arts**



**Australian Government**

**Department of Sustainability, Environment, Water, Population and Communities**

Our reference:

Mr Marco Gonzalez  
Executive Secretary  
Ozone Secretariat  
P.O. Box 30552  
Nairobi 00100  
KENYA

Dear Mr Gonzalez,

**Australian report under Decision Ex.I/4 paragraphs 1 and 2.**

In accordance with this decision of the Parties at the first Extraordinary Meeting of the Parties, please find enclosed with this letter a summary of Australia's currently available alternatives to methyl bromide.

Paragraphs 1 and 2 of Decision Ex.I/4 decided:

1. That each party which has an agreed critical use under the present decision should submit available information to the ozone Secretariat before 1 February 2005 on the alternatives available, listed according to their pre-harvest or post-harvest uses, and the possible date of registration, if required for each alternative; and on the alternatives which the Parties can disclose to be under development, listed according to their pre-harvest or post-harvest uses and the likely date of registration, if required and known, for those alternatives, and the Ozone Secretariat shall be requested to provide a template for that information and to post the said information in a database entitled 'Methyl Bromide Alternatives' on its web site;
2. That each party that submits a nomination for the production and consumption of methyl bromide for years after 2005 should also submit information listed in paragraph 1 to the Ozone Secretariat to include in its Methyl Bromide Alternatives database and that any other Party which no longer consumes methyl bromide should also submit information on alternatives to the Secretariat for inclusion in that database.

The attached report represents Australia's report for its current nominations in accordance with this Decision.



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MEMBER

Please note that while alternatives may be registered and available in Australia, this may not necessarily mean that they are currently available, or are technically and economically feasible for use in some circumstances. Secondly, dates of registration are not able to be provided for alternatives currently under review for registration. This information is generally considered to be commercially confidential.

Should you have any questions regarding the content of the report, please feel free to contact me.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Patrick McInerney', with a stylized flourish at the end.

Patrick McInerney  
Director  
Ozone and Synthetic Gas Team  
Department of Sustainability, Environment, Water  
Population and Communities

31 January 2012

Critical Use Exemption	Alternatives available*	Pre-harvest or post-harvest	Possible date of registration, if required
Rice (consumer packs)	Carbon disulphide	Post harvest	only registered as a vertebrate (pig) poison
	Carbon dioxide		Rodenticide only
	Ethyl formate (alone as liquid and in combination - eg <i>Vapormate</i> )		Liquid application for eradication of insect pests in packaged dry fruits only  Vapormate – Cereal grains and oilseeds in sealed storage (with moisture content $\leq 12\%$ ) only (ie <u>loose grain</u> in sealed silos) and Grain storage premises and equipment for all life stages of various stored product pests, except the rice weevil where only the eggs, larvae and adult are specified.
	Phosphine (alone and in combination - eg <i>Eco2fume</i> )		
	Heat treatment		
	Inert dust / diatomaceous earth		
	Irradiation		

	Pesticides of low volatility (organophosphates, pyrethroids, insect growth regulators, botanicals) Dichlorvos Pyrethrin/piperonyl butoxide (eg <i>Drift</i> )		
	Sulfuryl fluoride (ProFume)		Some ambiguity remains as to the label coverage for packaged rice within a storage shed, which the manufacturer has not sought to resolve.
	Steam treatment		
	Vacuum treatment / hermetic storage		
Strawberry runners	Telone C35	Pre-plant soil fumigation	
	Dazomet		
	Methyl iodide		Possible date of registration cannot be given. Approved as an active constituent only with no registered products containing MI available in Australia. Evaluation trials are being conducted under permit.

	Ethanedinitrile		Possible date of registration cannot be given. Registrant advises further registration data submitted early 2011.
	Propylene oxide		No. Approved as an active constituent only with no registered products available in Australia.

\* Information on chemical products sourced from <http://services.apvma.gov.au/PubcrisWebClient/welcome.do> on 24 Jan 2012