

**Registration Status of Alternatives to Methyl Bromide for the United States of America
Response to Decision Ex.I/4, Paragraph 1**

Updated on November 23, 2007

Use Category	Alternatives Available	Status of Registration	Alternatives Under Development	Possible Date of Registration
Commodities	Propylene Oxide	Registered	Ethyl Formate	Not registered
	Phosphine	Registered	Ethylene Oxide	Not registered
	Sulfuryl Fluoride	Registered	Methyl Formate	Not registered
Cucurbits	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Furfural	Not registered
	Glyphosate	Registered	Iodomethane	Not registered
	Halosulfuron	Registered	Propargyl Bromide	Not registered
	Metam Sodium	Registered	Sodium Azide	Not registered
	Paraquat	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Furfural	Not registered
	Halosulfuron	Registered	Iodomethane	Not registered
Eggplant	Metam Sodium	Registered	Propargyl Bromide	Not registered
	Napropamide	Registered	Sodium Azide	Not registered
	Trifluralin	Registered		
	1,3-Dichloropropene + Napropamide + Trifluralin	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	Metam Sodium + Chloropicrin	Registered		
	Phosphine	Registered	Ethyl Formate	Not registered
	Sulfuryl Fluoride	Registered	Ethylene Oxide	Not registered
	Diatomaceous Earth	Registered	Methyl Formate	Not registered
	Food Facilities			

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Forest Seedlings	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered	
	Chloropicrin	Registered	Iodomethane	Not registered	
	Dazomet	Registered	Sodium Azide	Not registered	
	Metam Sodium	Registered	Propargyl Bromide	Not registered	
	Metam Sodium + Chloropicrin	Registered			
	1,3-Dichloropropene + Chloropicrin	Registered			
	Sulfuryl Fluoride*	Registered			
	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered	
	Chloropicrin	Registered	Sodium Azide	Not registered	
	Iodomethane**	Registered	Propargyl Bromide	Not registered	
Ham	Dazomet	Registered			
	Metam Sodium	Registered			
	1,3-Dichloropropene + Chloropicrin	Registered			
	1,3-Dichloropropene + Metam Sodium	Registered			
	Nurseries: Raspberries				

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Nurseries: Fruit and Nut Tree	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Sodium Azide	Not registered
	Dazomet	Registered	Propargyl Bromide	Not registered
	Iodomethane**	Registered		
	Metam Sodium	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	1,3-Dichloropropene + Pic + Metam Sodium	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		
	1,3-Dichloropropene + Dazomet	Registered		
	1,3-Dichloropropene	Registered		
Nurseries: Roses	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Sodium Azide	Not registered
	Dazomet	Registered	Propargyl Bromide	Not registered
	Iodomethane**	Registered		
	Metam Sodium	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	1,3-Dichloropropene + Chloropicrin + Metam Sodium	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		

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Orchard Replant	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Sodium Azide	Not registered
	Dazomet	Registered	Propargyl Bromide	Not registered
	Iodomethane**	Registered		
	Metam Sodium	Registered		
	Sodium			
	Tetrathiocarbonate	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		
	1,3-Dichloropropene + Chloropicrin + Metam Sodium	Registered		
	Ornamentals	1,3-Dichloropropene	Registered	Dimethyl Disulfide
Dazomet		Registered	Furfural	Not registered
Chloropicrin		Registered	Sodium Azide	Not registered
Iodomethane**		Registered	Potassium Tri-iodide	Not registered
Metam Sodium		Registered	Propargyl Bromide	Not registered
1,3-Dichloropropene + Chloropicrin		Registered		
Dazomet + Chloropicrin		Registered		
Chloropicrin		Registered		
Metam Sodium + Chloropicrin		Registered		

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Peppers	Metam Sodium	Registered	Dimethyl Disulfide	Not registered
	1,3-Dichloropropene	Registered	Furfural	Not registered
	Chloropicrin	Registered	Sodium Azide	Not registered
	Iodomethane**	Registered	Propargyl Bromide	Not registered
	Halosulfuron	Registered		
	Glyphosate	Registered		
	Paraquat	Registered		
	Metam Sodium + Chloropicrin	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		
	Phosphine	Registered	Ethyl Formate	Not registered
	Sulfuryl Fluoride*	Registered	Ethylene Oxide	Not registered
				Methyl Formate
Strawberry	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Furfural	Not registered
	Dazomet***	Registered	Propargyl Bromide	Not registered
	Iodomethane**	Registered		
	Metam Sodium	Registered		
	Terbacil	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	1,3-Dichloropropene + Chloropicrin + Metam Sodium	Registered		
	Metam Sodium + Chloropicrin	Registered		

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Strawberry Nursery	Chloropicrin	Registered	Dimethyl Disulfide	Not registered
	1,3-Dichloropropene	Registered	Furfural	Not registered
	Iodomethane**	Registered	Propargyl Bromide	Not registered
	Metam Sodium	Registered	Sodium Azide	Not registered
	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Furfural	Not registered
	Dazomet***	Registered	Pebulate	No longer registered
	Iodomethane**	Registered	Propargyl Bromide	Not registered
	Metam Sodium	Registered	Sodium Azide	Not registered
Tomato	Glyphosate	Registered		
	Paraquat	Registered		
	Halosulfuron-methyl	Registered		
	s-Metolachlor	Registered		
	Trifloxysulfuron-methyl	Registered		
	Rimsulfuron	Registered		
	Metam Sodium + Chloropicrin	Registered		
	1,3-Dichloropropene + Metam Sodium	Registered		
	1,3-Dichloropropene + Chloropicrin	Registered		
	Fosthiazate			

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Turf (sod)	1,3-Dichloropropene	Registered	Dimethyl Disulfide	Not registered
	Chloropicrin	Registered	Furfural	Not registered
	Iodomethane**	Registered	Sodium Azide	Not registered
	Metam Sodium	Registered		
	Dazomet	Registered		
	Dazomet + Chloropicrin	Registered		
	Metam Sodium + Chloropicrin	Registered		

*Research on-going to evaluate efficacy in controlling mites

**Registration for Iodomethane is currently set to expire in October 2008. Registration is pending in several states.

***The registration for Dazomet is limited to California only.