



**US Environmental Protection Agency  
Office of Pesticide Programs**

**Petition for Etoxazole  
Tab A - Table 2 - Miticides (in  
addition to Etoxazole) Recommended  
by Current Pest Management Strategic  
Plans (PMSP) for Use in the Minor Crops  
Named in this Petition**

**August 11 , 2010**

**Tab A**

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<b>Crop</b>	<b>State</b>	<b>Miticide Products Used (Trade Name) (Chemical Class / Family)</b>
<b>Melon</b>	California <sup>1</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Bifenthrin (Capture) (Pyrethroid) Dicofol (Kelthane) (Organochlorine) Etoxazole (Zeal) (IGR) Permethrin (Pounce) (Pyrethroid) Sulfur
<b>Cucumber (Pickling)</b>	Delaware, <sup>2</sup> Maryland <sup>3</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Bifenthrin (Capture) (Pyrethroid) Bifenazate (Acramite 50WS) (Carbazate) Etoxazole (Zeal) (IGR) Dicofol (Kelthane) (Organochlorine) Fenpropathrin (Danitol) (Pyrethroid)
<b>Peach</b>	California <sup>4</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Clofentezine (Apollo) (Tetrazine) (Tetrazine) (Tetrazine) Dicofol (Kelthane) (Organochlorine) Esfenvalerate (Asana) (Synthetic Pyrethroid) (Synthetic Pyrethroid) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Hexythiazox (Savey) (Organosulfur) Propargite (Omite, Comite) (Organosulphur) Pyridaben (Nexter) (Pyridazinone)
	Florida, Michigan, Pennsylvania <sup>5</sup>	Abamectin (Agrimek) (Avermectin, Macrocylic Lactone) Clofentezine (Apollo) (Tetrazine) (Tetrazine) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Formetanate HCl (Carzol) (Carbamate) Hexythiazox (Savey) (Organosulfur) Pyridaben (Pyramite) (Pyridazinone)
	Georgia, North Carolina, South Carolina <sup>6</sup>	Bifenazate (Acramite) (Carbazate) Clofentezine (Apollo) (Tetrazine) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Hexythiazox (Savey) (Organosulfur) Pyridaben (Pyramite) (Pyridazinone)
	New Jersey <sup>7</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Bifenazate (Acramite) (Carbazate) Clofentezine (Apollo) (Tetrazine) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Fenpyroximate (No Trade Name Listed) (Phenoxy pyrazole) Formetanate HCl (Carzol) (Carbamate) Hexythiazox (Savey) (Organosulfur) Milbemectin (No Trade Name Listed) (Mectin) Pyridaben (Pyramite) (Pyridazinone)
<b>Plum</b>	California <sup>8</sup>	Clofentezine (Apollo) (Tetrazine) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Propargite (Omite, Comite) (Organosulphur) Pyridaben (Nexter) (Pyridazinone)

**Table 2 – Miticides (in addition to Etoxazole) recommended by current Pest Management Strategic Plans (PMSP) for use in the minor crops named in this petition**

<b>Cherry</b>	California <sup>9</sup>	Clofentezine (Apollo) (Tetrazine) Dicofol (Kelthane) (Organochlorine) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Hexythiazox (Savey) (Organosulfur) Propargite (Omite, Comite) (Organosulphur) Pyridaben (Nexter) (Pyridazinone)
<b>Almonds</b>	California <sup>10</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Clofentezine (Apollo) (Tetrazine) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Hexythiazox (Savey) (Organosulfur) Propargite (Omite, Comite) (Organosulphur) Pyridaben (Nexter) (Pyridazinone)
<b>Pistachio</b>	No PMSP Data Available	
<b>Mint</b>	California, Idaho, Montana, Oregon, Washington <sup>11</sup>	Dicofol (Kelthane) (Organochlorine) Etoxazole (Zeal) (IGR) Hexythiazox (Onager) (Organosulfur) tank mixed with Propargite (Omite, Comite) (Organosulphur) Oxydemeton-methyl (Metasystox-R) Propargite (Omite & Comite)
	Indiana, Michigan, Wisconsin <sup>12</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Bifenazate (Acrامة 50WS) (Carbazate) Etoxazole (Zeal) (IGR) Dicofol (Kelthane) (Organochlorine) Oxydemeton-methyl (Metasystox-R) (Organophosphate) Propargite (Omite, Comite) (Organosulphur)
<b>Hops</b>	Oregon <sup>13</sup>	Abamectin (Various Brands and formulations) (Avermectin, Macrocylic Lactone) Bifenazate (Acrامة 50WS) (Carbazate) Bifenthrin (Various Formulations) (Pyrethroid) Cyfluthrin (Various Formulations) (Pyrethroid) Diazinon (Various Formulations) (Organophosphate) Dicofol (Various Formulations) (Organochlorine) Etoxazole (Zeal) (IGR) Fenpyroximate (Fujimite) (Phenoxy pyrazole) Hexythiazox (Savey) (Organosulfur) Malathion (Malathion) (Organophosphate) Naled (Dibrom) (Organophosphate) Pyrethrins (Pyganic and others) (Pyrethroid)
	Washington <sup>14</sup>	Same as Oregon
	Idaho <sup>15</sup>	Same as Oregon
<b>Pear</b>	California <sup>16</sup>	Abamectin (AgriMek) (Avermectin, Macrocylic Lactone) Bifenazate (Acrامة) (Carbazate) Clofentezine (Apollo) (Tetrazine) Dicofol (Kelthane) (Organochlorine) Endosulfan (Thiodan) (Chlorinated Hydrocarbon) Etoxazole (Zeal) (IGR) Febutatin Oxide (Hexakis, Vendex) (Organotin) Formetanate HCl (Carzol) (Carbamate)



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		<p>Febutatin Oxide (Hexakis, Vendex) (Organotin)  Hexythiazox (Savey) (Organosulfur)  Propargite (Omite, Comite) (Organosulphur)  Pyridaben (Nexter) (Pyridazinone)</p>
<b>Quince</b>	No PMSP Data Available	
<b>Strawberry</b>	California <sup>17</sup>	<p>Abamectin (AgriMek) (Avermectin, Macrocylic Lactone)  Bifenazate (Acramite) (Carbazate)  Bifenthrin (Brigade) (Pyrethroid)  Dicofol (Kelthane) (Organochlorine)  Etoxazole (Zeal) (IGR)  Febutatin Oxide (Hexakis, Vendex) (Organotin)  Fenpropathrin (Danitol) (Pyrethroid)  Hexythiazox (Savey) (Organosulfur)</p>
	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont <sup>18</sup>	<p>Bifenthrin (Brigade) (Pyrethroid)  Endosulfan (Thiodan) (Chlorinated Hydrocarbon)  Etoxazole (Zeal) (IGR)  Fenpropathrin (Danitol) (Pyrethroid)  Naled (Dibrom) (Organophosphate)</p>
	Florida <sup>19</sup>	<p>Abamectin (AgriMek) (Avermectin, Macrocylic Lactone)  Acequinocyl (Kanemite) (Quinoline)  Bifenazate (Acramite) (Carbazate)  Bifenthrin (Brigade) (Pyrethroid)  Etoxazole (Zeal) (IGR)  Fenbutatin-oxide (Hexakis)  Hexythiazox (Savey) (Organosulfur)</p>
	North Carolina, South Carolina, Virginia <sup>20</sup>	<p>Diazinon (Various Formulations) (Organophosphate)  Naled (Dibrom) (Organophosphate)  Abamectin (AgriMek) (Avermectin, Macrocylic Lactone)  Dicofol (Kelthane) (Organochlorine)  Bifenthrin (Various) (Pyrethroid)  Etoxazole (Zeal) (IGR)  Fenbutatin-oxide (Hexakis) (Organotin)  Fenpropathrin (Danitol) (Pyrethroid)  Propargite (Omite, Comite) (Organosulphur)</p>
	Tennessee <sup>21</sup>	<p>Abamectin (Agri-Mek) (Avermectin, Macrocylic Lactone)  Bifenazate (Acarmite) (Carbazate)  Bifenthrin (Brigade) (Pyrethroid)  Diazinon (Various brands) (Organophosphate)  Dicofol (Kelthane) (Organochlorine)  Etoxazole (Zeal) (IGR)  Fenpropathrin (Danitol) (Pyrethroid)  Hexythiazox (Savey) (Organosulfur)  Malathion (Malathion) (Organophosphate)  Naled (Dibrom) (Organophosphate)</p>

<sup>1</sup> PMSP for Cantaloupe, Honeydew, and Mixed Melon Production in California, April 2003.  
<http://www.ipmcenters.org/pmsp/pdf/CAMelon.pdf>

<sup>2</sup> PMSP for Cucumber (Pickling) in Delaware and Eastern Shore Maryland, Oct. 2005.  
<http://www.ipmcenters.org/pmsp/pdf/DEpickle.pdf>

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<sup>3</sup> Id.

<sup>4</sup> PMSP for Peach Production in California, 2006. <http://www.ipmcenters.org/pmsp/pdf/CAPEACHPMSP.pdf>

<sup>5</sup> Eastern Peach Pest Management Strategies for Adapting to Changing Management Options, Dec. 2000. <http://www.ipmcenters.org/pmsp/pdf/easternpeach.pdf>

<sup>6</sup> PMSP for Eastern Peaches, Summary of a Workshop held on Oct. 14, 2003 in Clemson, South Carolina Amended following the 2004 and 2005 seasons. <http://www.ipmcenters.org/pmsp/pdf/EastPeach.pdf>

<sup>7</sup> New Jersey Peach Pest Management Strategic Plan April 11, 2002. <http://www.ipmcenters.org/pmsp/pdf/njpeach.pdf>

<sup>8</sup> PMSP for Plums in California 2006. <http://www.ipmcenters.org/pmsp/pdf/CAPLUMPMSP.pdf>

<sup>9</sup> PMSP for Cherry Production in California 2003. <http://www.ipmcenters.org/pmsp/pdf/CACHerry.pdf>

<sup>10</sup> The Foundation for a Pest Management Strategic Plan in Almond Production. Summary of a workshop held December 12, 2002. Issued May 23, 2003. <http://www.ipmcenters.org/pmsp/pdf/caalmonds.pdf>

<sup>11</sup> PMSP for Pacific Northwest Mint Production. Oct. 31, 2002. <http://www.ipmcenters.org/pmsp/pdf/PNWmintPMSP.pdf>

<sup>12</sup> A PMSP for the Indiana, Wisconsin, and Michigan Mint Industries. Compiled at a workshop conducted Dec. 12, 2002 in North Judson, Indiana. <http://www.ipmcenters.org/pmsp/pdf/MidwestMintpmsp.pdf>

<sup>13</sup> PMSP for Hops in Oregon, Washington, and Idaho, Summary of workshop held Jan. 22, 2008, Portland, OR. Issued July 3, 2008. <http://www.ipmcenters.org/pmsp/pdf/OR-WA-IDhopsPMSP.pdf>

<sup>14</sup> Id.

<sup>15</sup> Id.

<sup>16</sup> PMSP for Pear Production in California. Nov. 2003. <http://www.ipmcenters.org/pmsp/pdf/CAPear.pdf>

<sup>17</sup> PMSP for Strawberry Production in California. Dec. 2003.

<http://www.ipmcenters.org/pmsp/pdf/CASTRAWBERRY.PDF>

<sup>18</sup> PMSP for Strawberry Production in New England. May 1, 2007.

<http://www.ipmcenters.org/pmsp/pdf/NewEnglandStrawberryPMSP.pdf>

<sup>19</sup> Strawberry PMSP, Valrico, FL. August 19, 2003. Revised JULY, 2007.

<http://www.ipmcenters.org/pmsp/pdf/FLstrawberry.pdf>

<sup>20</sup> PMSP for Strawberry Production in Florida, North Carolina, South Carolina, Virginia. July 18, 2000.

<http://www.ipmcenters.org/pmsp/pdf/sestrawb.pdf>

<sup>21</sup> Tennessee's Strawberry Strategic Plan Meeting, Knoxville, Tennessee. Oct. 15, 2003.

<http://www.ipmcenters.org/pmsp/pdf/TNstrawberry.pdf>