

# **Public Health Pesticides: An Inventory of Chemical Tools for Vector Control**

**Tables C2 & C3: Products under U.S. Regulatory Review**

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**Table C2. U.S. registered and high-potential vector control chemicals under regulatory review**

Active Ingredient (Chemical Class)	EPA PC	Registration Status* <sup>1</sup>
2-Phenethyl Propionate (Botanical)	102601	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 3110 (Phenethyl Propionate, 9/29/10); Final Workplan 3/31/11. <sup>2</sup>
Allethrin Coils (Pyrethroids)	Varied	C. RR Case 437 (Allethrin Stereoisomers Group, 03-31-10); Final Work Plan 8/11/10. <sup>3</sup>
Alpha-Cypermethrin (Pyrethroid)	209600	C. Registration pending (EPA Pers. Comm 2/2012).
Amitraz (Formamidine)	106201	C. RR Case 234 = Docket EPA-HQ-OPP-2009-1015 (3/31/10); Final Work Plan 9/13/10 <sup>4</sup>
Atrazine (Triazine)	80803	C. RED 4/6/06; Update Fact Sheet 9/2011. <sup>5</sup> Petition in evaluation requesting ban on all uses. <sup>6</sup>
Azadirachtin A (Botanical)	121701	B. RR Case 6021 = Docket EPA-HQ-OPP-2008-0632 (9/24/08); Final Work Plan 3/17/09. <sup>7</sup>
<i>Bacillus thuringiensis subsp. israelensis</i> = Bti = Bti serotype H-14	6401	M. RR Case 247 ( <i>Bacillus thuringiensis</i> , 9/30/11); Preliminary Work Plan 9/30/11. <sup>8</sup>
Bti strain AM 65-52 (Microbial)	69162	M. RR Case 247 ( <i>Bacillus thuringiensis</i> , 9/30/11); Preliminary Work Plan 9/30/11
Bti strain BMP 144 (Microbial)	6520	M. RR Case 247 ( <i>Bacillus thuringiensis</i> , 9/30/11); Preliminary Work Plan 9/30/11
Bti strain SA3A (Microbial)	69210	M. RR Case 247 ( <i>Bacillus thuringiensis</i> , 9/30/11); Preliminary Work Plan 9/30/11
Bti strain EG2215 (Microbial)	6476	M. RR Case 247 ( <i>Bacillus thuringiensis</i> , 9/30/11); Preliminary Work Plan 9/30/11
<i>Beauveria bassiana</i> (Fungus)	Various <sup>9</sup>	M. RR Case 6057 = Docket EPA-HQ-OPP-2010-0564 (9/29/10); Final Work Plan 9/27/11. <sup>10</sup>
Beta-Cyfluthrin (Pyrethroid)	118831	C. Case 7405 (Cyfluthrins, 9/22/10). Final Work Plan 3/9/11. <sup>11</sup>
Bifenthrin (Pyrethroid)	128825	C. RR Case 7402 = Docket EPA-HQ-OPP-2010-0384 (6/23/10); Final Work Plan 12/27/10. <sup>12</sup>
Bioallethrin = d-trans-Allethrin (Pyrethroid )	4003	C. RR Case 437 (Allethrin Stereoisomers Group, 03-31-10); Final Work Plan 8/11/10.
Boric Acid (Mineral)	11001	C. RR Case 24 (Boric Acid and Sodium Borate Salts, 6/24/09); Final Work Plan 10/21/09. <sup>13</sup>
Carbaryl (Carbamate)	56801	C. RR Case 80 = Docket EPA-HQ-OPP-2010-0230 (9/22/10); Final Work Plan 2/28/11. <sup>14</sup>
Carbon Dioxide (Natural product)	16601	C. RR Case 4190 (Carbon, Carbon Dioxide, and Sawdust, 3/26/08); Final Work Plan 9/4/08; now closed. <a href="#">Draft Ecological Risk Assessment and Endangered Species Effects Determination</a> 5/26/10. <sup>15</sup>
Castor Oil (Botanical)	031608	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10).
Cedarwood Oil (Botanical)	40505	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR completed 3/15/11. <sup>16</sup>
Chlorfenapyr (Pyrazole)	129093	C. RR Case 7419 = Docket EPA-HQ-OPP-2010-0467 (6/23/10); Final Work Plan 12/8/10 <sup>17</sup>
Chlorpyrifos (OP)	59101	C. RR Case 100 = Docket EPA-HQ-OPP-2008-0850 (3/18/09); Final Work Plan 9/25/09. <sup>18</sup> Petition (9/12/07) to revoke all tolerances and cancel all registrations; suspended pending Preliminary Human Health Risk Assessment (7/1/11); FIFRA SAP to meet Apr 2012; <b>comments due 3/27/12.</b> <sup>19</sup>
Cinnamon & Cinnamon Oil <sup>16</sup> (Botanical)	129066	E, B. Cinnamon and Cinnamon Oil are 25(b) materials; EPA is increasing requirements for efficacy data for 25(b) PHP claims. Cinnamon is also a registered biopesticide not facing new regulatory requirements.

\* B = Biopesticide; C = EPA Conventional Chemical; M = Microbial; P = Pending ; Reg. = first registration; RED = Reregistration Eligibility Decision; RR = Registration Review  
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Active Ingredient (Chemical Class)	EPA PC	Registration Status* <sup>1</sup>
Citric Acid (Botanical)	21801	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR completed 11/20/2009. <sup>20</sup>
Citronella Oil (Botanical)	21901	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Cloves & Clove Oil (Botanical)	220700, 128895	E, B. Cloves and Clove Oil are 25(b) materials; EPA is increasing requirements for efficacy data for 25(b) PHP claims. Clove oil (PC 220700) and crushed cloves (PC 128895) are also registered biopesticides not facing new regulatory requirements at this time.
Corn Gluten Meal (Botanical)	100137	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. Also a registered biopesticide not facing new regulatory requirements at this time.
Corn Oil (Botanical)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Cottonseed Oil (Botanical)	31602	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. Also a registered biopesticide not facing new regulatory requirements at this time.
Coumaphos (OP)	036501	C. Case 0018 = Docket EPA-HQ-OPP-2008-0023 (6-25-08). Final Work Plan 11-25-08 <sup>21</sup>
Cryolite (Inorganic)	75101	C. Case 0087 = Docket EPA-HQ-OPP-2011-0173 (3/30/11). Final Work Plan 12/9/11 <sup>22</sup>
Cyfluthrin (Pyrethroid)	128831	C. Case 7405 (Cyfluthrins, 9/22/10). Final Work Plan 3/9/11. <sup>23</sup>
Cyphenothrin (Pyrethroid)	129013	C. Case 7412 = Docket EPA-HQ-OPP-2009-0842 (12/16/09). Final Work Plan 6/18/10. <sup>24</sup>
d-Allethrin = Pynamin Forte (Pyrethroid)	4005	C. RR Case 437 (Allethrin Stereoisomers Group, 03-31-10); Work Plan 8/11/10.
DDVP = Dichlorvos (OP)	84001	C. RR Case 310 = Docket EPA-HQ-OPP-2009-0209 (6/24/09). Final Work Plan 12/1/09. <sup>25</sup>
Deltamethrin (Pyrethroid)	97805	C. RR Case 7414 = Docket EPA-HQ-OPP-2009-0637 (3/31/10). Final Work Plan 9/13/10. <sup>26</sup>
Diazinon (OP)	57801	C. RR Case 0238 = Docket EPA-HQ-OPP-2008-0351 (6/25/08). Final Work Plan 11/28/08. <sup>27</sup>
Dihydro-5-heptyl-2(3H)-furanone	122302	C. RR Case 3138 (Tanol Derivs = Furanone, 9/30/11). <sup>28</sup>
Dihydro-5-pentyl-2(3H)-furanone	122301	C. RR Case 3138 (Tanol Derivs = Furanone, 9/30/11).
Dinotefuran (Neonicotinoid)	044312	C. RR Docket EPA-HQ-OPP-2011-0920 (12/14/11). Summary Document 12/21/11 <sup>29</sup>
D-Limonene (Botanical)	79701	B. RR Case 3083 = Docket EPA-HQ-OPP-2010-0673 (9/22/10); Final Work Plan 1/24/2011. <sup>30</sup>
d-Phenothrin (Pyrethroid)	69005	C. RR Case 0426 = Docket EPA-HQ-OPP-2011-0539 (12/21/11); Summary Document 12/19/11 <sup>31</sup>
Dried Blood (Animal byproduct)	611	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. Was a biopesticide under RR (Case 4030), but final products cancelled 2007.
Esbiothrin = S-Biothrin (Pyrethroid)	4007	C. RR Case 437 (Allethrin Stereoisomers Group, 03-31-10); Work Plan.
Esfenvalerate (Pyrethroid)	109303	C. RR Case 7406 = Docket EPA-HQ-OPP-2009-0301 (12/16/09). Final Work Plan 6/23/10. <sup>32</sup>
Etofenprox =(Pyrethroid)	128965	C. RR Case 7407 = Docket EPA-HQ-OPP-2007-0804 (8/29/07). Amended Final Work Plan 12/16/11. <sup>33</sup>
Eucalyptus Oil (Botanical)	40503	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Eugenol (Botanical)	102701	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Fipronil (Pyrazole)	129121	C. RR Case 7423 = Docket EPA-HQ-OPP-2011-0448 (6/29/11). Final Work Plan 12/27/11. <sup>34</sup>
Gamma-Cyhalothrin (Pyrethroid)	128807	C. RR Case 7437 = Docket EPA-HQ-OPP-2010-0479 (12/22/10). Final Work Plan 6/14/11. <sup>35</sup>

Active Ingredient (Chemical Class)	EPA PC	Registration Status* <sup>1</sup>
Garlic & Garlic Oil (Botanical)	128827	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 4007 (Garlic Oil) = Docket EPA-HQ-OPP-2009-0113 (3/25/09) has been completed.
Geraniol (Botanical)	597501	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Geranium Oil (Botanical)	597500	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. Also a registered biopesticide not facing new regulatory requirements at this time.
Imidacloprid (Neonicotinoid)	129099	C. RR Case 7605 = Dockets EPA-HQ-OPP-2008-0844 (12/17/08) and EPA-HQ-OPP-2010-0734. Amended Final Work Plan 9/22/10. <sup>36</sup>
Imiprothrin (Pyrethroid)	4006	C. RR Case 7426 = Docket EPA-HQ-OPP-2011-0692 (9/31/11). <sup>37</sup>
<i>Lagenidium giganteum</i> (Fungus)	129084	B. RR Case 6068 = Docket EPA-HQ-OPP-2011-0193 (3/30/11). Final Work Plan 7/7/11. <sup>38</sup>
Lambda-Cyhalothrin (Pyrethroid)	128897	C. RR Case 7408 = Docket EPA-HQ-OPP-2010-0480 (12/22/10). Final Work Plan 6/14/11. <sup>39</sup>
Lauryl Sulfate (Botanical)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Lemongrass Oil (Botanical)	40502	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Limonene (Botanical)	79701	B. RR Case 3083 = Docket EPA-HQ-OPP-2010-0673 (9/22/10); Final Work Plan 1/24/2011. <sup>40</sup>
Linseed Oil (Botanical)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Malathion (OP)	57701	C. RR Case 248 = Docket EPA-HQ-OPP-2009-0317 (6/24/09); Final Work Plan 12/17/09. <sup>41</sup>
Malic Acid (Natural product)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
<i>Metarhizium anisopliae</i> Strain F52 Spores (Fungal spores)	29056	B. RR initiated 9/30/09. <sup>42</sup> Revised Final Work Plan 10/27/10.
MGK 264 = (Dicarboximide)	57001	C. Reg 1940's. RED 2006
Mint Oil (Botanical)	128800	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. Also a registered biopesticide not facing new regulatory requirements at this time.
MMF = POE Isooctadecanol (Polyalkyloxy compound)	124601	C. RR Case 3119 (Polyethoxylated Aliphatic Alcohols) not yet initiated.
Naled (OP)	34401	C. RR Case 92 = Docket EPA-HQ-OPP-2009-0053 (3/18/09). Final Work Plan 8/31/09. <sup>43</sup>
Nonanoic Acid = Pelargonic Acid (Fatty Acid)	217500	B. RR Case 6077 (Pelargonic Acid, Salts and Esters) = Docket EPA-HQ-OPP-2010-0424 (6/30/10); Final Work Plan 12/28/10. <sup>44</sup>
Peppermint Oil (Botanical)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Permethrin (Pyrethroid)	109701	C. RR Case 2510 = EPA-HQ-OPP-2011-0039 (6/29/11). Final Work Plan 12/2/11. <sup>45</sup>
Phenothrin (Pyrethroid)	69005	C. RR Case 0426 (d-Phenothrin) = Docket EPA-HQ-OPP-2011-0539 (12/21/11). <sup>46</sup>
Piperonyl Butoxide = PBO	67501	C. RR Case 2525 = EPA-HQ-OPP-2010-0498 (12/22/10). Final Work Plan 5/27/11 <sup>47</sup>
Potassium Sorbate	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Putrescent Whole Egg Solids (Natural product)	none	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 4079 (Egg Solids) = EPA-HQ-OPP-2010-0726 (9/29/10). <sup>48</sup>

Active Ingredient (Chemical Class)	EPA PC	Registration Status* <sup>1</sup>
Pyrethrins (Botanical)	69001	C. RR Case 2580 = Docket EPA-HQ-OPP-2011-0885 (12/21/11). Summary Document 12/13/11. <sup>49</sup>
Pyriproxyfen (Synthetic Juvenoid)	129032	C. RR Case 7424 = Docket EPA-HQ-OPP-2011-0677 (9/30/11). Summary Document 9/30/11 <sup>50</sup>
Resmethrin (Pyrethroid)	97801	C. Notice posted of cancellation of all remaining products; in review. <sup>51</sup> RR Case 421 in progress, but no docket posted; work plan intended summer 2012.
Rosemary & Rosemary Oil (Botanical)	597700, oil 128893, herbs	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. Rosemary oil and plants are also registered biopesticides, but are not facing new regulatory requirements at this time.
S-Bioallethrin = Esbiol (Pyrethroid)	4004	C. RR Case 437 (Allethrin Stereoisomers Group, 03-31-10); Work Plan 8/11/10.
Sesame and Sesame Oil (Botanical)	72401, oil 128970, herbs	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims. <sup>52</sup> Sesame oil and plants are also registered biopesticides, but are not facing new regulatory requirements at this time.
Silica Gel (Mineral)	72602	C. RR Case 4081 (Silica and Silicates) = Docket EPA-HQ-OPP-2007-1140 (3/26/08). Final Work Plan. <sup>53</sup>
Silicon Dioxide = Diatomaceous Earth (Mineral)	72605	C. RR Case 4081 (Silica and Silicates) = Docket EPA-HQ-OPP-2007-1140 (3/26/08). Final Work Plan.
Soap Salts	31801, 79021, 79009	C. RR Case 4083 (Soap Salts) = Docket EPA-HQ-OPP-2008-0519 (9/15/08). Final Work Plan 3/5/09. <sup>54</sup>
Sodium Chloride (Inorganic)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Sodium Lauryl Sulfate (Inorganic)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.
Soybean Oil (Botanical)	31605	E, B. EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); Final Work Plan 9/20/10.
Spinosad (Microbial)	110003	M. RR Case 7421 = Docket EPA-HQ-OPP-2011-0667 (9/30/11); Work Plan not yet released. <sup>55</sup>
Sulfur (Mineral)		C. RR Case 31 = Docket EPA-HQ-OPP-2008-0176 (3/26/08); Draft Ecological Risk Assessment. <sup>56</sup>
Tau-Fluvalinate (Pyrethroid)	109302	C. RR Case 2295 = Docket EPA-HQ-OPP-2010-0915 (12/22/10); Final Work Plan 6/27/11. <sup>57</sup>
Temephos (OP)	59001	C. RR Case 6 = Docket EPA-HQ-OPP-2008-0444 (6/25/08); Work Plan 11/17/08. Notice of Cancellation of all remaining registrations 2/25/11, Final Decision Sept 2011, effective 2015, under appeal. <sup>58</sup>
Tetramethrin (Pyrethroid)	69003	C. RR Case 2660 = Docket EPA-HQ-OPP-2011-0907 (12/15/11); Preliminary Work Plan. <sup>59</sup>
Thiamethoxam (Neonicotinoid)	60109	C. RR Case 7614 = Docket EPA-HQ-OPP-2011-0581 (12/20/11); Preliminary Work Plan. <sup>60</sup>
Thyme and Thyme Oil (Botanical)	597800 oil, 128894	E, B. <sup>61</sup> EPA is increasing requirements for efficacy data for 25(b) PHP claims. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Thymol (Botanical)	80402	B. RR Case 3143 = Docket EPA-HQ-OPP-2010-0002 (3/31/10). Final Work Plan 9/9/10. <sup>62</sup>
Tralomethrin (Pyrethroid)	121501	C. RR Case 7400 = Docket EPA-HQ-OPP-2010-0116 (3/31/10). Final Work Plan 9/2010. Notice of Voluntary Cancellation of all remaining technical registrations 11/2010, <sup>63</sup> effective ca. 2012.
Trichlorfon (OP)	57901	C. RR Case 104 = Docket EPA-HQ-OPP-2009-0097 (3/18/09). Final Work Plan 9/16/09. <sup>64</sup>
White Pepper (Botanical)	none	E. EPA is increasing requirements for efficacy data for 25(b) PHP claims.

**Table C3. High-potential or historic vector control chemicals under U.S. regulatory review**

Active Ingredient (Chemical Class)	EPA PC	Registration Status
2-Hydroxyethyl Octyl Sulfide = MGK Repellent 874	46301	Active PC Code, but no current registrations. Notice that EPA is not opening an RR docket "because this pesticide is not included in any products actively registered under FIFRA" (6/23/10). <sup>65</sup>
Allyl Isothiocyanate	4901	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Alpha-Ionone		B. RR Case 8202 (Flower Oils) = Docket EPA-HQ-OPP-2011-0628 (9/30/11); Preliminary Work Plan 9/30/11.
Balsam Fir Oil		B. RR Case 8202 (Flower Oils) = Docket EPA-HQ-OPP-2011-0628 (9/30/11); Preliminary Work Plan 9/30/11.
Bergamot Oil (Botanical)	129029	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Borax (Mineral Salt)	11102	C. RR Case 24 (Boric Acid and Sodium Borate Salts) = Docket EPA-HQ-OPP-2009-0306 (6/24/09).
Canola Oil (Botanical)	11332	B. RR Case 8201 (Vegetable and Flower Oils) = Docket EPA-HQ-OPP-2009-0904 (3/29/10); Final Work Plan.
Chlorpyrifos-Methyl (OP)	059102	C. RR Case 8011 = Docket EPA-HQ-OPP-2010-0119 (03-31-10). Final work plan 9/29/10. <sup>66</sup>
Cinnamaldehyde (Botanical)	040506	B. RR Case 6032 = Docket EPA-HQ-OPP-2010-0918 (12-22-10). Final work plan 6/30/11. <sup>67</sup>
Dimethoate ( )	35001	C. RR Case 0088 = Docket EPA-HQ-OPP-2009-0059 (3/18/09). Final Work Plan 9/22/09. <sup>68</sup> Petition to revoke tolerances under review. <sup>69</sup>
Granuloviruses (Insect Viruses)		M. RR Case 4106 (Nucleopolyhedroviruses and Granuloviruses (Insect Viruses), 9/30/11). <sup>70</sup>
Indole (Botanical)	25000	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Joboba Oil (Botanical)	67200	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); Final Work Plan.
Lavandin Oil (Botanical)	40500	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Mustard Oil (Botanical)	4901	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Nucleopolyhedroviruses (Viruses)		M. RR Case 4106 (Nucleopolyhedroviruses and Granuloviruses (Insect Viruses), 9/30/11).
Orange Oil (Botanical)	40517	B. RR Case 8201 (Vegetable and Flower Oils, 3/29/10); RR Case 8202 (Flower Oils, 9/30/11).
Pirimiphos-Methyl	108102	C. RR Case 2353 = Docket EPA-HQ-OPP-2009-0056 (3/18/09); Final Work Plan 8/10/09. <sup>71</sup>
Propoxur	47802	C. RR Case 2555 = Docket EPA-HQ-OPP-2009-0806 (12/16/09), Final Work Plan 6/17/10. <sup>72</sup>
Spinetoram	110008, 110009	B. RR Case 7448 = Docket EPA-HQ-OPP-2011-0666 (9/30/11); Work Plan not yet released. <sup>73</sup>

## References and Notes

References that provide useful information on multiple materials are presented as full citations immediately below with the most current web address found; References relevant to only one material are in the endnotes which follow afterwards.

USEPA 2001. "Plant Oils Fact Sheet." [epa.gov/opp00001/chem\\_search/reg\\_actions/registration/fs\\_G-114\\_01-Jul-01.pdf](http://epa.gov/opp00001/chem_search/reg_actions/registration/fs_G-114_01-Jul-01.pdf)

USEPA 2010. "Vegetable and Flower Oils Final Work Plan." Registration Review Case 8201 (Vegetable and Flower Oils) = Docket EPA-HQ-OPP-2009-0904 (3/29/10); Final Work Plan 9/20/10.

USEPA 2011. "Cumulative Risk Assessments: Pyrethrins/Pyrethroid." Document ID: EPA-HQ-OPP-2011-0746-0001, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0746-0001](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0746-0001)

USEPA 2011. "Flower Oils Summary Document. Registration Review: Initial Docket." Registration Review Case 8202 (Flower Oils) = Docket EPA-HQ-OPP-2011-0628 (9/30/11), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0628-0005](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0628-0005)

USEPA 2011. "Registration Review Conventional Cases Schedule - 2011-2014", [epa.gov/oppsrrd1/registration\\_review/2011-14-conventional.pdf](http://epa.gov/oppsrrd1/registration_review/2011-14-conventional.pdf)

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<sup>1</sup> EPA has evaluated and managed many botanical extracts over the years using overlapping "chemical groups", of which three are now recognized by the Biopesticides and Pollution Prevention Division (BPPD): the Plant Oils Groups (Fact Sheet 2001 = [epa.gov/oppbppd1/biopesticides/ingredients/factsheets/factsheet\\_plant-oils.htm](http://epa.gov/oppbppd1/biopesticides/ingredients/factsheets/factsheet_plant-oils.htm)); the Floral Attractants, Repellents, and Insecticides Group (Fact Sheet 2000 = [epa.gov/opp00001/chem\\_search/reg\\_actions/registration/fs\\_G-105\\_25-Sep-00.pdf](http://epa.gov/opp00001/chem_search/reg_actions/registration/fs_G-105_25-Sep-00.pdf)); and the Vegetable and Flower Oils (Fact Sheet = [epa.gov/opp00001/chem\\_search/reg\\_actions/registration/fs\\_G-114\\_01-Jul-01.pdf](http://epa.gov/opp00001/chem_search/reg_actions/registration/fs_G-114_01-Jul-01.pdf)), which is in Reregistration (Docket EPA-HQ-OPP-2009-0904. The most recent document is the "Vegetable and Flower Oils Final Work Plan" (9/23/10): [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0904-0006](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0904-0006)), which covers 17 registered biopesticides. In addition, a number of these materials are exempt from FIFRA registrations requirements under section 25(b) of that Act.

<sup>2</sup> Registration Review: Phenethyl Propionate (Case 3110) = Docket EPA-HQ-OPP-2010-0714, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0714-0003](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0714-0003).

<sup>3</sup> Registration Review: Allethrin Stereoisomers (Case 0437) = Docket EPA-HQ-OPP-2010-0022, [epa.gov/oppsrrd1/registration\\_review/allethrin-stereoisomers/index.html](http://epa.gov/oppsrrd1/registration_review/allethrin-stereoisomers/index.html)

<sup>4</sup> Registration Review: Amitraz (Case 0234) = Docket EPA-HQ-OPP-2009-1015, [epa.gov/oppsrrd1/registration\\_review/amitraz/index.html](http://epa.gov/oppsrrd1/registration_review/amitraz/index.html)

<sup>5</sup> Decision Documents for Atrazine, [epa.gov/opp00001/chem\\_search/reg\\_actions/reregistration/red\\_PC-080803\\_1-Apr-06.pdf](http://epa.gov/opp00001/chem_search/reg_actions/reregistration/red_PC-080803_1-Apr-06.pdf). Atrazine Updates Fact Sheet (10/1/10), [epa.gov/pesticides/reregistration/atrazine/atrazine\\_update.htm](http://epa.gov/pesticides/reregistration/atrazine/atrazine_update.htm)

<sup>6</sup> Petition Requesting Ban on Use and Production of Atrazine = Docket ID EPA-HQ-OPP-2011-0586, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0586-0001](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0586-0001)

<sup>7</sup> Registration Review: Azadirachtin (Case 6020) = Docket ID EPA-HQ-OPP-2008-0632, [epa.gov/oppsrrd1/registration\\_review/azadirachtin/index.htm](http://epa.gov/oppsrrd1/registration_review/azadirachtin/index.htm)

<sup>8</sup> Registration Review: *Bacillus thuringiensis* (Case 0247) = Docket EPA-HQ-OPP-2011-0705, [epa.gov/oppsrrd1/registration\\_review/bacillus-thuringiensis/index.html](http://epa.gov/oppsrrd1/registration_review/bacillus-thuringiensis/index.html)

<sup>9</sup> *Beauveria bassiana* Strain ATCC 74040 = PC 128818; GHA = PC 128924; 447 = PC 128815; ESC 170 = PC 128817; HF 23 = PC 090305.

<sup>10</sup> Registration Review: *Beauveria bassiana* (Case 6057) = Docket EPA-HQ-OPP-2010-0564, [epa.gov/oppsrrd1/registration\\_review/beauveria\\_bassiana/index.html](http://epa.gov/oppsrrd1/registration_review/beauveria_bassiana/index.html)

<sup>11</sup> Registration Review: Cyfluthrin (Case 7405) = Docket EPA-HQ-OPP-2010-0684, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0684-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0684-0002)

<sup>12</sup> Registration Review: Bifenthrin (Case 7402) = Docket EPA-HQ-OPP-2010-0384, [epa.gov/oppsrrd1/registration\\_review/bifenthrin/index.html](http://epa.gov/oppsrrd1/registration_review/bifenthrin/index.html)

<sup>13</sup> Registration Review: Boric Acid and Sodium Borate Salts (Case 0024) = Docket EPA-HQ-OPP-2009-0306, [epa.gov/oppsrrd1/registration\\_review/boric-acid/index.html](http://epa.gov/oppsrrd1/registration_review/boric-acid/index.html)

- <sup>14</sup> Registration Review: Carbaryl (Case 0080) = Docket EPA-HQ-OPP-2010-0230, [epa.gov/oppsrrd1/registration\\_review/carbaryl/index.html](http://epa.gov/oppsrrd1/registration_review/carbaryl/index.html)
- <sup>15</sup> Registration Review: Carbon, Carbon Dioxide, and Sawdust (Case 4019) = Docket EPA-HQ-OPP-2007-0705, [epa.gov/oppsrrd1/registration\\_review/carbon/index.htm](http://epa.gov/oppsrrd1/registration_review/carbon/index.htm)
- <sup>16</sup> Registration Review: Wood Oils and Gums (Case 3050) = Docket EPA-HQ-OPP-2009-0258, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0258-0015](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0258-0015)
- <sup>17</sup> Registration Review: Chlorfenapyr (Case 7419) = Docket EPA-HQ-OPP-2010-0467, [epa.gov/oppsrrd1/registration\\_review/chlorfenapyr/index.html](http://epa.gov/oppsrrd1/registration_review/chlorfenapyr/index.html)
- <sup>18</sup> Registration Review: Chlorpyrifos (Case 0100) = Docket EPA-HQ-OPP-2008-0850, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0850-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0850-0002)
- <sup>19</sup> Preliminary Human Health Risk Assessments; Availability: Chlorpyrifos Registration Review, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0384-0035](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0384-0035). Draft Stipulation and Order, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2007-1005-0087](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2007-1005-0087). "There will be a 4-day meeting of the Federal Insecticide, Fungicide, and Rodenticide Act Scientific Advisory Panel (FIFRA SAP) to consider and review scientific issues concerning chlorpyrifos health effects." April 10-13, 2012, Washington, DC, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2012-0040-0001](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2012-0040-0001)
- <sup>20</sup> Registration Review: Citric Acid and Salts (Case 4024) = Docket EPA-HQ-OPP-2008-0855, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0855-0012](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0855-0012)
- <sup>21</sup> Registration Review: Coumaphos (Case 0018) = Docket ID EPA-HQ-OPP-2008-0023, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0023-0016](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0023-0016)
- <sup>22</sup> Registration Review: Cryolite (Case 0087) = Docket EPA-HQ-OPP-2011-0173, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0173-0046](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0173-0046)
- <sup>23</sup> Registration Review: Cyfluthrin (Case 7405) = Docket EPA-HQ-OPP-2010-0684, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0684-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0684-0002)
- <sup>24</sup> Registration Review: Cyphenothrin (Case 7412) = Docket EPA-HQ-OPP-2009-0842, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0842-0016](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0842-0016)
- <sup>25</sup> Registration Review: DDVP/Dichlorvos (Case 0310) = Docket EPA-HQ-OPP-2009-0209, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0209-0013](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0209-0013)
- <sup>26</sup> Registration Review: Deltamethrin (Case 7414) = Docket EPA-HQ-OPP-2009-0637, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0637-0019](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0637-0019)
- <sup>27</sup> Registration Review: Diazinon (Case 0238) = Docket EPA-HQ-OPP-2008-0351, [epa.gov/oppsrrd1/registration\\_review/diazinon/index.htm](http://epa.gov/oppsrrd1/registration_review/diazinon/index.htm)
- <sup>28</sup> Registration Review: Tanol Derivs = Furanone (Case 3138) = Docket EPA-HQ-OPP-2011-0682 (9/30/11), [epa.gov/oppsrrd1/registration\\_review/tanol/index.html](http://epa.gov/oppsrrd1/registration_review/tanol/index.html)
- <sup>29</sup> Registration Review: Dinotefuran = Docket EPA-HQ-OPP-2011-0920 (12/14/11), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0920-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0920-0002)
- <sup>30</sup> Registration Review: Limonene (d-Limonene) = Docket ID EPA-HQ-OPP-2010-0673, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0673-0015](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0673-0015)
- <sup>31</sup> Registration Review: d-Phenothrin (Case 0426) = Docket EPA-HQ-OPP-2011-0539 (12/21/11); [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0539-0008](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0539-0008)
- <sup>32</sup> Registration Review: Esfenvalerate (Case 7406) = Docket EPA-HQ-OPP-2009-0301 (12/16/09), [epa.gov/oppsrrd1/registration\\_review/esfenvalerate/index.html](http://epa.gov/oppsrrd1/registration_review/esfenvalerate/index.html)
- <sup>33</sup> Registration Review: Etofenprox (Case 7407) = EPA-HQ-OPP-2007-0804, [regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2007-0804](http://regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2007-0804)
- <sup>34</sup> Registration Review: Fipronil (Case 7423) = Docket EPA-HQ-OPP-2011-0448 (6/29/11). [epa.gov/oppsrrd1/registration\\_review/fipronil/index.htm](http://epa.gov/oppsrrd1/registration_review/fipronil/index.htm)
- <sup>35</sup> Registration Review: Gamma-Cyhalothrin (Case 7437) = Docket EPA-HQ-OPP-2010-0479, [epa.gov/oppsrrd1/registration\\_review/gamma\\_cyhalothrin/index.html](http://epa.gov/oppsrrd1/registration_review/gamma_cyhalothrin/index.html)
- <sup>36</sup> Registration Review: Imidacloprid (Case 7605). [epa.gov/oppsrrd1/registration\\_review/imidacloprid/index.htm](http://epa.gov/oppsrrd1/registration_review/imidacloprid/index.htm); Docket ID EPA-HQ-OPP-2008-0844: [regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2008-0844](http://regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2008-0844); Amended Workplan Docket ID EPA-HQ-OPP-2010-0734, [regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2010-0734](http://regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2010-0734)
- <sup>37</sup> Registration Review: Imiprothrin (Case 7426) = Docket EPA-HQ-OPP-2011-0692 (9/31/11), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0692-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0692-0002)
- <sup>38</sup> Registration Review: *Lagenidium giganteum* (Case 6068) = Docket EPA-HQ-OPP-2011-0193 (3/30/11). [epa.gov/oppsrrd1/registration\\_review/lagenidium/index.html](http://epa.gov/oppsrrd1/registration_review/lagenidium/index.html)
- <sup>39</sup> Registration Review: Lambda-cyhalothrin (Case 7408) = Docket EPA-HQ-OPP-2010-0480, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0480-0017](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0480-0017)
- <sup>40</sup> Registration Review: Limonene (d-Limonene) = Docket ID EPA-HQ-OPP-2010-0673, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0673-0015](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0673-0015)
- <sup>41</sup> Registration Review: Malathion (Case 248) = Docket EPA-HQ-OPP-2009-0317 (6/24/09), [http://www.epa.gov/oppsrrd1/registration\\_review/malathion/index.html](http://www.epa.gov/oppsrrd1/registration_review/malathion/index.html)
- <sup>42</sup> Registration Review: *Metarhizium Anisopliae* Docket ID EPA-HQ-OPP-2009-0510. [regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2009-0510](http://regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2009-0510)
- <sup>43</sup> Registration Review: Naled (Case 0092) = Docket ID EPA-HQ-OPP-2009-0053, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0053-0045](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0053-0045)
- <sup>44</sup> Registration Review: Pelargonic Acid, Salts and Esters (Case 6077) = Docket EPA-HQ-OPP-2010-0424 (6/30/10), [epa.gov/oppsrrd1/registration\\_review/pelargonic-acid/index.html](http://epa.gov/oppsrrd1/registration_review/pelargonic-acid/index.html)
- <sup>45</sup> Registration Review: Permethrin (Case 2510) = Docket EPA-HQ-OPP-2011-0039, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0039-0031](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0039-0031)
- <sup>46</sup> Registration Review: d-Phenothrin (Case 0426) = Docket EPA-HQ-OPP-2011-0539 (12/21/11), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0539-0008](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0539-0008)
- <sup>47</sup> Registration Review: Piperonyl Butoxide (Case 2525) = Docket EPA-HQ-OPP-2010-0498, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0498-0014](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0498-0014)

- <sup>48</sup> Registration Review: Egg Solids (Case 4079) = Docket EPA-HQ-OPP-2010-0726, [epa.gov/oppsrrd1/registration\\_review/egg\\_solids/index.html](http://epa.gov/oppsrrd1/registration_review/egg_solids/index.html)
- <sup>49</sup> Registration Review: Pyrethrins (Case 2580) = Docket EPA-HQ-OPP-2011-0885 (12/21/11), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0885-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0885-0002)
- <sup>50</sup> Registration Review: Pyriproxyfen (Case 7424) = Docket ID EPA-HQ-OPP-2011-0677 (9/30/11). [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0677-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0677-0002)
- <sup>51</sup> Requests To Voluntarily Cancel Certain Pesticide Registrations: Resmethrin. Docket EPA-HQ-OPP-2010-0306, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0306-0003](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0306-0003)
- <sup>52</sup> Registration Review: Thyme Herbs and Ground Sesame Plant (Case 6060), [epa.gov/oppsrrd1/registration\\_review/thyme/index.htm](http://epa.gov/oppsrrd1/registration_review/thyme/index.htm) ; [epa.gov/fedrgstr/EPA-PEST/2008/March/Day-28/p6394.pdf](http://epa.gov/fedrgstr/EPA-PEST/2008/March/Day-28/p6394.pdf). RR Case 6060 (Thyme Herbs and Ground Sesame Plant) docket not opened because final registrations cancelled 2004-2005.
- <sup>53</sup> Registration Review: Silica and Silicates (Case 4081) = Docket EPA-HQ-OPP-2007-1140 (3/26/08), [epa.gov/oppsrrd1/registration\\_review/silica/index.htm](http://epa.gov/oppsrrd1/registration_review/silica/index.htm)
- <sup>54</sup> Registration Review: Soap Salts (Case 4083) = Docket EPA-HQ-OPP-2008-0519 (9/15/08). [epa.gov/oppsrrd1/registration\\_review/soap\\_salts/index.htm](http://epa.gov/oppsrrd1/registration_review/soap_salts/index.htm)
- <sup>55</sup> Registration Review: Spinosad (Case 7421) = Docket EPA-HQ-OPP-2011-0667 (9/30/11), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0667-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0667-0002)
- <sup>56</sup> Registration Review: Sulfur (Case 2295) = Docket EPA-HQ-OPP-2010-0915 (12/22/10); [epa.gov/oppsrrd1/registration\\_review/sulfur/index.htm](http://epa.gov/oppsrrd1/registration_review/sulfur/index.htm)
- <sup>57</sup> Registration Review: Tau-fluvalinate (Case 2295) = Docket EPA-HQ-OPP-2010-0915, [epa.gov/oppsrrd1/registration\\_review/tau\\_fluvalinate/index.html](http://epa.gov/oppsrrd1/registration_review/tau_fluvalinate/index.html)
- <sup>58</sup> Registration Review: Temephos (Case 0006) = Docket EPA-HQ-OPP-2008-0444. [epa.gov/oppsrrd1/registration\\_review/temephos/index.htm](http://epa.gov/oppsrrd1/registration_review/temephos/index.htm); [regulations.gov/#!docketDetail;dct=FR%252BPR%252BN%252BO%252BSR;rpp=10;po=0;D=EPA-HQ-OPP-2008-0444](http://regulations.gov/#!docketDetail;dct=FR%252BPR%252BN%252BO%252BSR;rpp=10;po=0;D=EPA-HQ-OPP-2008-0444).
- <sup>59</sup> Registration Review: Tetramethrin (Case 2660) = Docket EPA-HQ-OPP-2011-0907, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0907-0001](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0907-0001).
- <sup>60</sup> Registration Review: Thiamethoxam (Case 7614) = Docket EPA-HQ-OPP-2011-0581, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0581-0002](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0581-0002).
- <sup>61</sup> Registration Review: Thyme Herbs and Ground Sesame Plant (Case 6060), [epa.gov/oppsrrd1/registration\\_review/thyme/index.htm](http://epa.gov/oppsrrd1/registration_review/thyme/index.htm) ; [epa.gov/fedrgstr/EPA-PEST/2008/March/Day-28/p6394.pdf](http://epa.gov/fedrgstr/EPA-PEST/2008/March/Day-28/p6394.pdf). Docket not opened because final registrations cancelled 2004-2005
- <sup>62</sup> Registration Review: Thymol (Case 3143) = Docket EPA-HQ-OPP-2010-0002 (3/31/10). [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0002-0006](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0002-0006)
- <sup>63</sup> Registration Review: Tralomethrin (Case 7400) = Docket EPA-HQ-OPP-2010-0116, [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0116-0008](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0116-0008); [Requests to Voluntarily Cancel Pesticide Registrations: Tralomethrin: regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0116-0009](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0116-0009)
- <sup>64</sup> Registration Review: Trichlorfon (Case 104) = Docket EPA-HQ-OPP-2009-0097, [regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2009-0097](http://regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2009-0097).
- <sup>65</sup> Registration Review; Pesticide Dockets Opened for Review and Comment, Docket EPA-HQ-OPP-2010-0517, Document EPA-HQ-OPP-2010-0517-0001 (6/23/10), [regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0517-0001](http://regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-0517-0001)
- <sup>66</sup> Registration Review: Chlorpyrifos-methyl (Case 8011) = Docket EPA-HQ-OPP-2010-0119, [epa.gov/oppsrrd1/registration\\_review/chlorpyrifos-methyl/index.html](http://epa.gov/oppsrrd1/registration_review/chlorpyrifos-methyl/index.html)
- <sup>67</sup> Registration Review: Cinnamaldehyde (Case 6032) = Docket EPA-HQ-OPP-2010-0918, [epa.gov/oppsrrd1/registration\\_review/cinnamaldehyde/index.html](http://epa.gov/oppsrrd1/registration_review/cinnamaldehyde/index.html)
- <sup>68</sup> Registration Review: Dimethoate (Case 0088) = Docket EPA-HQ-OPP-2009-0059, [epa.gov/oppsrrd1/registration\\_review/dimethoate/index.htm](http://epa.gov/oppsrrd1/registration_review/dimethoate/index.htm)
- <sup>69</sup> <http://www.regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2009-0629>
- <sup>70</sup> Registration Review: Nucleopolyhedroviruses and Granuloviruses (Insect Viruses) (Case 4106) = Docket EPA-HQ-OPP-2011-0694 (9/30/11). [epa.gov/oppsrrd1/registration\\_review/nucleopoly/index.html](http://epa.gov/oppsrrd1/registration_review/nucleopoly/index.html)
- <sup>71</sup> Registration Review: Pirimiphos-methyl (Case 2353) = Docket EPA-HQ-OPP-2009-0056 (3/18/09), [epa.gov/oppsrrd1/registration\\_review/pirimiphos-methyl/index.htm](http://epa.gov/oppsrrd1/registration_review/pirimiphos-methyl/index.htm)
- <sup>72</sup> Registration Review: Propoxur (Case 2555) = Docket EPA-HQ-OPP-2009-0806 (12/16/09), [epa.gov/oppsrrd1/registration\\_review/propoxur/index.html](http://epa.gov/oppsrrd1/registration_review/propoxur/index.html)
- <sup>73</sup> Registration Review: Spinetoram (Case 7448) = Docket EPA-HQ-OPP-2011-0666 (9/30/11), [epa.gov/oppsrrd1/registration\\_review/spinetoram/index.html](http://epa.gov/oppsrrd1/registration_review/spinetoram/index.html)