

**Table 2. Insecticides for silverleaf whitefly control in vegetables in Queensland – 2011**

Active ingredients	Product(s)	Chemical group	Crops	WHP (days)	Rate of product	
<b>REGISTERED INSECTICIDES</b>						
<p>There are two formulations of imidacloprid (200 SC for foliar spray and 350 SC for soil application) registered for use against silverleaf whitefly on some vegetables. A range of products containing bifenthrin, petroleum oil, piperonyl butoxide, pyriproxyfen, spirotetramat and thiamethoxam are also registered for use on some vegetable crops.</p> <p>There are also a number of other chemicals registered on a range of vegetables for use against any of the many types of whiteflies. These chemicals may or may not be effective against silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B).</p>						
<b>PERMITS</b>						<b>Permit No. &amp; expiry date</b>
buprofezin (440 g/L)	Applaud	chitin inhibitor (17A)	leafy and woody herbs when grown as annuals	3	30 mL/100 L of water	<b>Per 8576</b> (30/08/12)
emulsifiable botanical oil (850 g/L)	Eco-oil Miticide/Insecticide Botanical Oil Concentrate	spray adjuvant	green house and hydroponic capsicums, cucumbers and lettuce	NS	375 - 500 mL/100 L of water	<b>Per 10311</b> (30/09/13)
imidacloprid 200 g/L	Confidor 200 SC and others	chloronicotinyl (4A)	<b>seedlings of:</b> tomatoes & peppers (excluding seedlings for hydroponic production)	NA	40 mL per 1000 seedlings, applied as a seedling drench	<b>Per 11936</b> (28/02/13)
potassium salts of fatty acids (285 g/L)	Natrasoap Insecticidal Soap Spray and others	insecticide	glasshouse and hydroponically grown capsicums, cucumbers and lettuce	NS	1.5 – 3 L/100 L of water	<b>Per 10184</b> (28/02/13)
pymetrozine (500 g/kg)	Chess	feeding inhibitor (9A)	head lettuce	7	200 g/ha	<b>Per 11988</b> (30/05/11)
			broccoli	5		
			cucurbits, eggplant, tomatoes	3		
pyriproxyfen (100 g/L)	Admiral Insect Growth Regulator	juvenile hormone mimic (7C)	leafy and woody herbs when grown as annuals	1	500 mL/ha	<b>Per 8601</b> (30/08/12)
pyriproxyfen (100 g/L)	Admiral Insect Growth Regulator	juvenile hormone mimic (7C)	cucurbits, eggplant	1	500 mL/ha	<b>Per 10764</b> (30/09/12)

NA = not applicable; NS = not supplied: **Note:** The information above is a guide only. All users should read, or have read to them, the details and conditions of the permit and/or product label before using the product. The permits are available on the Australian Pesticides and Veterinary Medicines Authority (APVMA) website at: <http://www.apvma.gov.au/permits/permits.shtml>.