

FOR BEST RESULTS

What to expect from AzaMax

AzaMax is not a knock down insecticide, it takes a little more time for insects to die. However, insects stop damaging plants immediately after coming into contact with AzaMax. Then, with sequential applications, the pest population dwindles due to starvation and growth regulation. Hence it is best to use AzaMax as part of a preventative program for complete insect population control.

For Best Results

- Use the lower rate of AzaMax with ECO-OIL® at 5ml/L
- Shake bottle before use
- Apply soon as pests are observed
- Apply 2-3 sprays for better results
- Target pests during immature stages when possible
- Spray early and at 7 to 14 day intervals
- Spray at shorter intervals under high pest pressure
- Apply AzaMax to thoroughly cover both sides of foliage at a high volume setting
- Good spray coverage is essential
- When possible, spray during the morning or evening hours
- Use 'pH' correctors if needed (optimum pH is 5-6.5)
- Check compatibility when combining with other products
- Alternations or combinations with conventionals, insecticides or microbials can be used
- Do not store any spray mixture for extended periods; always use fresh spray solution
- Repeat applications according to label directions in cases of constant pest pressure
- Always read and follow label directions

DIRECTIONS FOR USE

Crop/ Situation	Pest	Rate	Critical Comments
Floriculture, Ornamentals	Two-spotted Mites Whitefly Aphids	150ml/100L water or 250ml/100L water	Use a 7 to 10 day spray regime when pests are present. Use the higher rate under higher pest pressure. Spray volume will vary according to the crop and location. Apply in a spray volume of 250 to 500 L/ha, using a hand held wand or knapsack spray. For best results always use the lowest rate of 150ml/100L AzaMax with ECO-OIL® at 500ml/100L.
Potting soil (for Floriculture and Ornamentals only)	Fungus gnats	30 mL/10 L water	Apply as a soil drench using approximately 1 litre mixture per 8 litres potting soil.

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AzaMax

AzaMax truly is an IPM FRIENDLY BROAD SPECTRUM INSECT CONTROL product.

It is a multi-site insecticide making it a very potent tool in resistance management. Make it your foundation for effective insect control this season.

AzaMax™

NATURE'S INSECTICIDE



TOUGH PESTS, SOFT SOLUTION!

IPM FRIENDLY BROAD SPECTRUM INSECT CONTROL



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NATURE'S INSECTICIDE



AzaMax is a natural insecticide produced using a patented process of extracting Azadirachtin from Neem seed kernel. Azadirachtin is one of nature's most potent and broad spectrum insecticides.

Why is AzaMax superior to other products?

- AzaMax does not contain neem oil and unlike many neem based products, is not formulated using harmful solvents, surfactants, or preservatives. No APVMA registration has been applied for, or granted to any neem oil product due to the potentially harmful impurities in neem oil and because the processing method used to obtain neem oil ultimately destroys most of its insecticidal properties.
- AzaMax is processed in a way that concentrates and preserves the active properties of neem. The actives are then formulated into a 12,000 ppm emulsifiable concentrate of Azadirachtin, guaranteed to have a shelf-life of up to two years and remain effective in crops after spraying for up to 14 days. No other neem product is as stable or as effective as AzaMax.
- AzaMax contains up to 100 natural chemicals all aimed at having negative impacts on insect pests. This makes AzaMax a very versatile insecticide that effectively eliminates the potential for insects to develop any chemical resistance.
- AzaMax intensifies the effectiveness of other insecticides by weakening the insect's chemical defence, this in turn reduces the onset of resistance of the pest to the chemical being applied. This feature makes AzaMax an excellent tank mix with other insecticides.
- AzaMax is very safe to users, the environment and non-target insects including bees, spiders and most other beneficial predators and parasitoids.
- AzaMax is registered as an organic input in Australia with the Biological Farmers of Australia (BFA). This allows growers to brand their produce as Australian Certified Organic (ACO) once they have satisfied all the other criteria of the ACO certification process.



Insect Growth Regulator

AzaMax has many modes of action against insect pests, but essentially it is an Insect Growth Regulator (IGR). IGRs control insect pests by causing severe mutative disruption to their growth and development. It makes the pests unfit and unable to progress through their life cycle and reproduce. This effect impacts on all life stages of the insects development across a wide spectrum of insect pests.



Anti-feedant Activity

AzaMax is a strong anti-feedant due to its ability to block the feeding arousal signal of insect pests almost immediately after injection. AzaMax also slows the motility of the gut of insects having the effect of increasing the potency of injected insecticides like Bt products, NPVs and other biological insecticides.



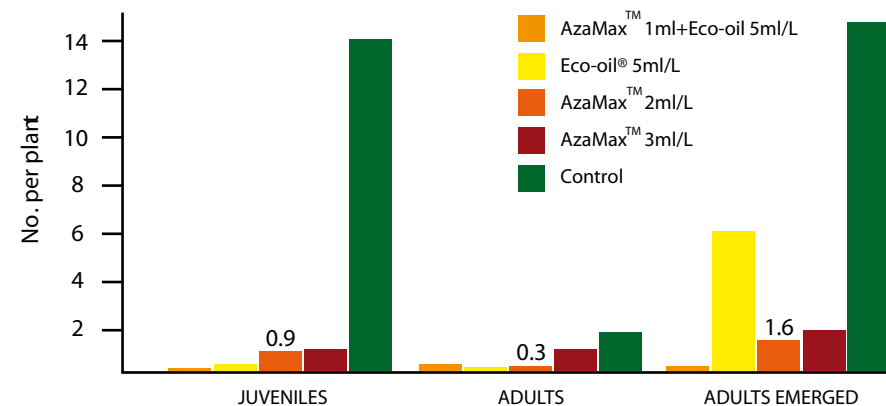
TOUGH PESTS?

Whitefly

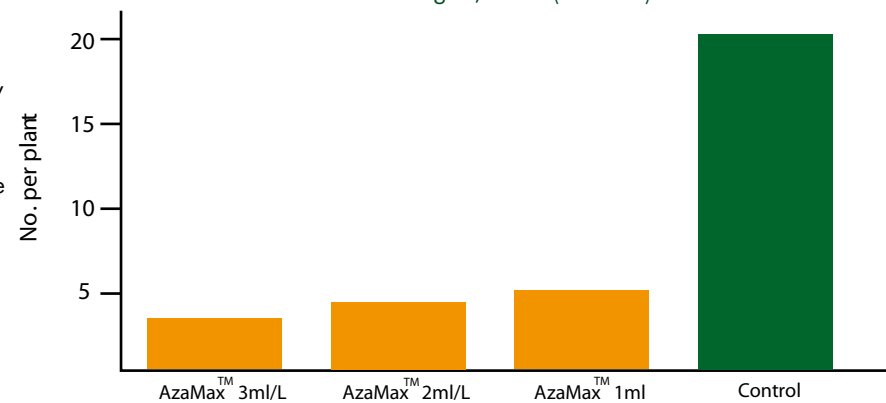


Trials conducted by the NSW Department of Agriculture (Dr Stephen Goodwin) and IPM Technologies (Peter Cole) have confirmed that AzaMax is very effective against Greenhouse whitefly at dose rates as low as 1ml/L.

Whitefly Control in Gerberas NSW DPI, Gosford, 2000. (7 DAT 3)

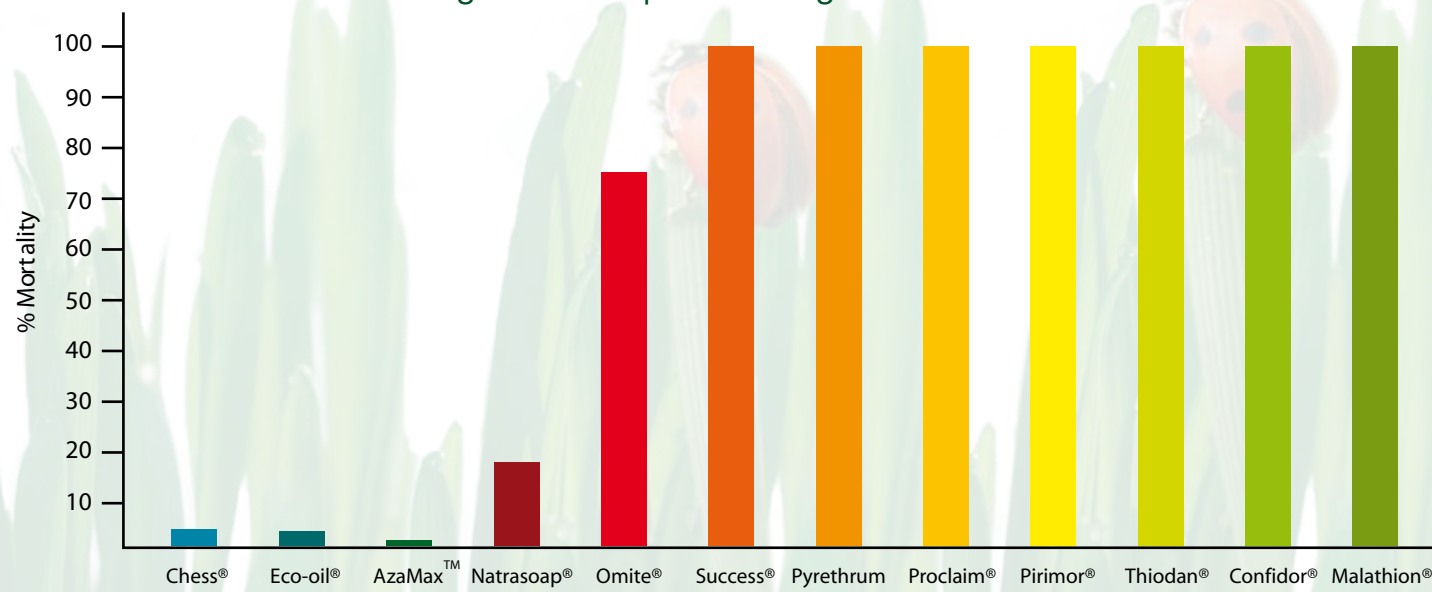


Whitefly Control in Gerberas IPM Technologies, 2005 (7 DAT 3)



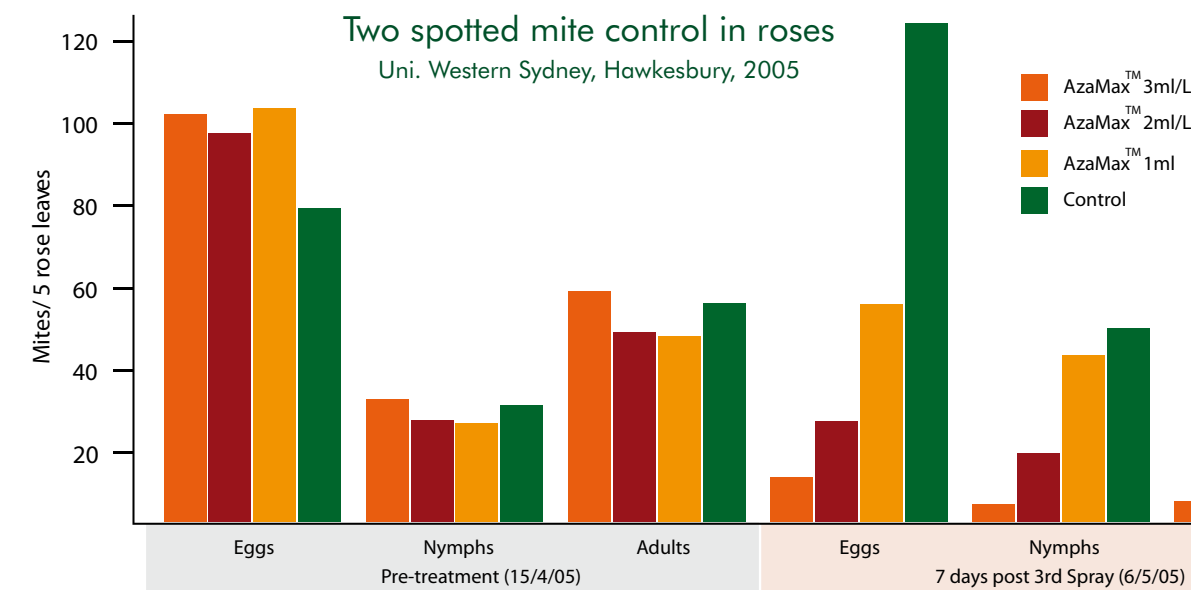
A significant benefits of AzaMax is its minimal impact on beneficial insects. One of the most effective bio-control agents for Whitefly, namely *Encarsia formosa*, is virtually unaffected by AzaMax. This is in contrast to some of the current mainstream pesticides which can cause up to 100% mortality and have residual effects for weeks after application. This makes AzaMax ideal when used as part of an IPM strategy that incorporates beneficial insects.

Screening of various pesticides against *Encarsia Formosa*



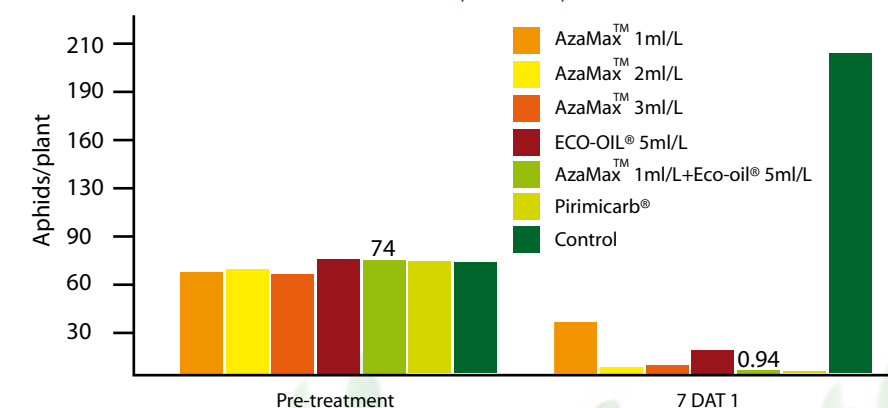
TOUGH PESTS?

Mites



Aphids

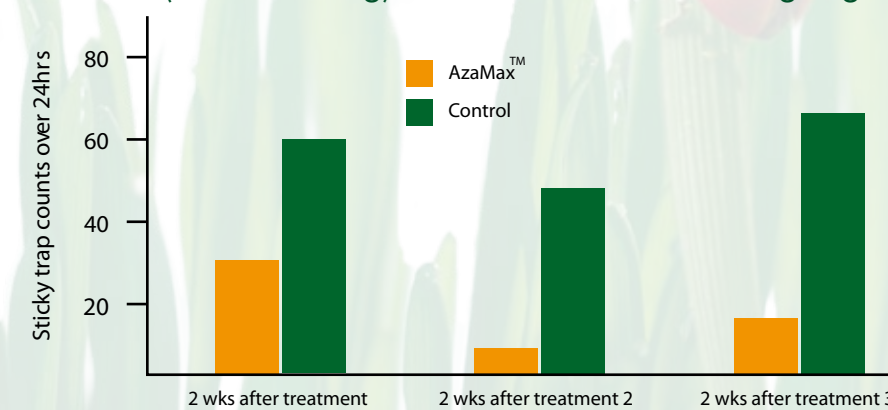
Green peach aphids NSW DPI, Gosford, 2000



AzaMax is effective against Mites and Aphids because it effects all life stages. This is very important when targeting these sorts of pests with short life cycles, multiple generations and many offspring. In other trials the addition of the miticide ECO-OIL® @ 5ml/L has been shown to enhance the 1ml/L AzaMax rate to be equal to or better than the 3ml/L AzaMax rate.

Fungus gnats

AzaMax (1.5ml/7L bag) drench for control of Fungus gnats



AzaMax is very effective when applied to growing media to control many pest insects including Fungus gnats. Trials conducted by Marilyn Steiner (DPI NSW, National Greenhouse Research Centre) and other researchers overseas have confirmed that the insect growth regulatory effects of AzaMax makes it a very effective larvicide against Fungus gnats.