

Aeramite[®]

M I T I C I D E

LONGER. STRONGER.

Quick knockdown

Ideal for IPM programs

Superior residual control

Short withholding periods





Acramite is a selective miticide for the control of plant eating mites. It provides quick knockdown through contact activity with superior residual control.

ACRAMITE:

Active: 480g/L Bifenazate

Formulation: Suspension Concentrate

GROUP 20 D INSECTICIDE

MITES CONTROLLED

Acramite targets specific mites to give you fast and sure control of:

- Two-spotted mite (*Tetranychus urticae*)
- European red mite (*Panonychus ulmi*)
- Bryobia mite (*Bryobia rubrioculus*)

MODE OF ACTION

Acramite is a contact acaricide that is active on all motile mite stages. Nymphs are controlled once eggs hatch after application.

Mites treated with Acramite will become hyperactive after approximately 3 hours and will cease feeding. Subsequently, their movements gradually decrease (paralysis) and mortality occurs after 3 to 7 days.

SAFE ON PREDATORY MITES & BENEFICIAL INSECTS

Acramite's unique mode of action and selectivity on pest mites makes it the perfect fit for mite control in any IPM (Integrated Pest Management) and resistance management programs.

Acramite is selective and accurate, controlling pest mites without affecting populations of beneficial insects and predatory mites.

Predatory mites such as *Phytoseiulus persimilis*, *Typhlodromus pyri* and *Typhlodromus occidentalis* remain active and viable when Acramite is used as directed.

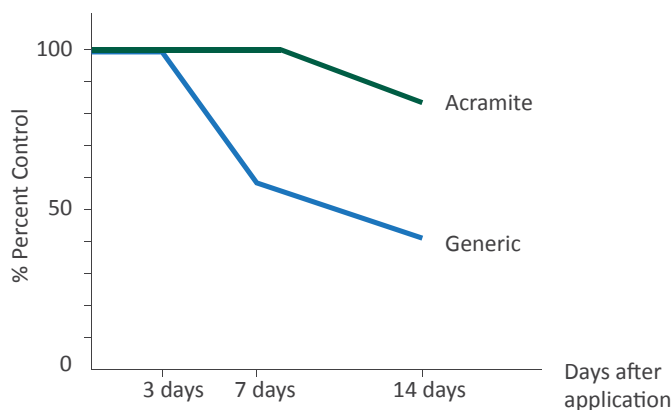


Acramite outperforms, why settle for less?

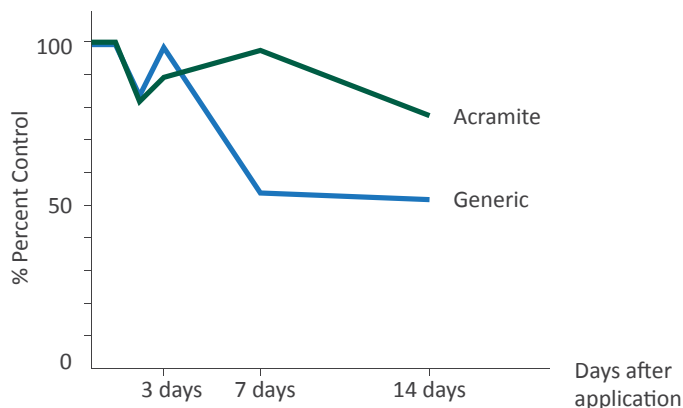
LONGER.

Acramite exhibits excellent knockdown and residual control of Two-spotted spider mites (TSM) and sustains its higher efficacy well after the generic bifenzate formulation is reduced to less than half of its control.

Residual control of Two-spotted spider mites over time (adult mites) – Acramite vs generic bifenzate



Residual control of Two-spotted spider mites over time (egg count) – Acramite vs generic bifenzate



Trial work conducted by Elizabeth Macarthur Agricultural Institute, NSW Department of Industry October 2017, using Acramite and Surefire® Macromite at the label rates of 65ml/100L.

FORMULATION MAKES ALL THE DIFFERENCE

Formulation quality of miticides can affect efficacy and performance in the control of specific target mites.

A potted plant glasshouse trial comparing the efficacy of Acramite to a generic bifenazate formulation on Two-spotted spider mites was undertaken by the NSW Department of Industry in October 2017.

The trial results show Acramite offering superior control of adult mites and future generations from hatching eggs over time compared to the generic bifenazate formulation.

Under ideal conditions mite populations from survivors can flare and cause sharp population increases.

Inadequate mite control can lead to a potential yield decrease in the following year; may result in increased numbers of overwintering female spider mites to damage the crop next year; and may also cause leaf drop and premature defoliation of trees.

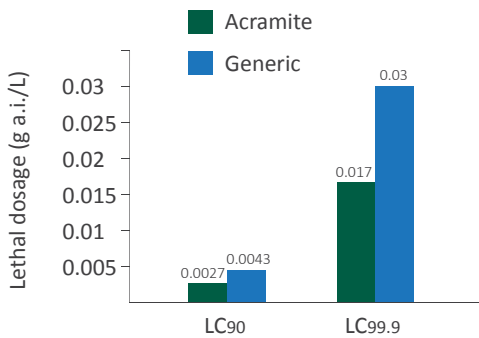
STRONGER.

Trial results suggest that higher rates of the generic bifenazate formulation are required to control 90% and 99.9% of the population compared to Acramite.

= SUPERIOR CONTROL

Under ideal conditions surviving mites can flare and cause sharp population increases. The scenario below is based on a projection of mite generation based on a seven day turn around under ideal conditions (average temperature 30°C) using trial results.

Lethal doses to control 90% and 99.9% of a Two-spotted spider mite population (LC90 and LC99.9) – Acramite vs generic bifenazate



Trial results:

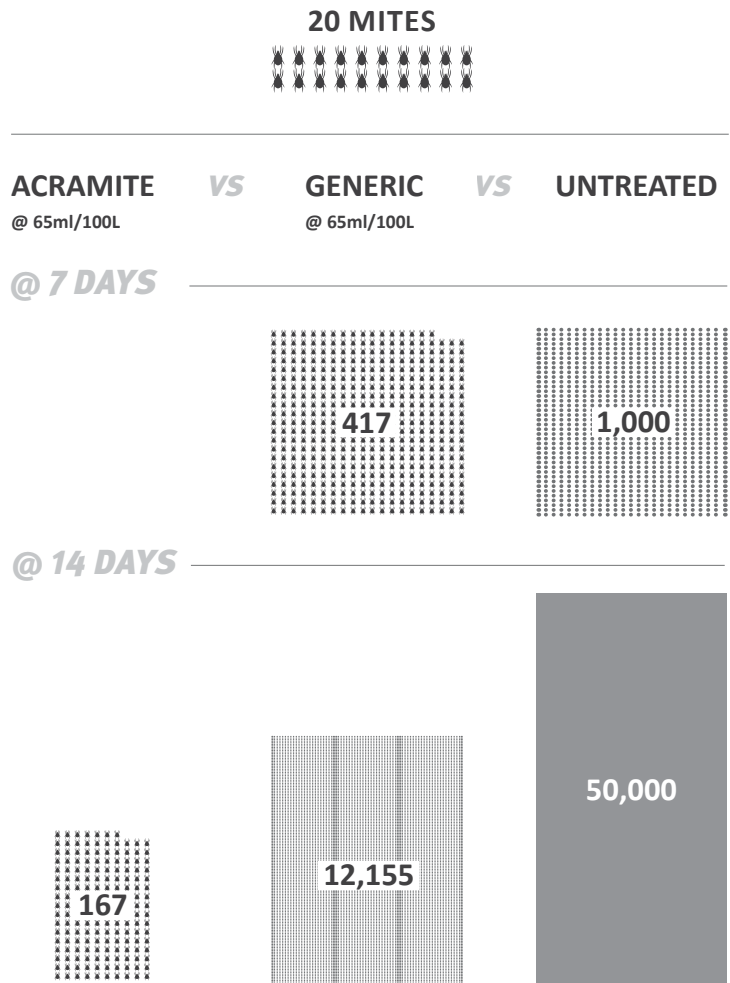
LC50 - Acramite required **150% less** g a.i./L product to kill 50% of the TSM population

LC90 - Acramite required **159% less** g a.i./L product to kill 90% of the TSM population

LC99.9 - Acramite required **176% less** g a.i./L product to kill 99.9% of the TSM population

Controlling mites is critical in keeping plants healthy to maximise production year on year. Inferior formulations can result in decreased yield if mites are not adequately controlled.

Projection of mite numbers from 20 mites under ideal conditions based on trial control of adult Two-spotted spider mites – Untreated vs Acramite vs generic bifenazate formulation



Projections: Population projection based on 20 mites at application. 7 day control: Acramite 100%; Generic 58.3% Model assumes 50% egg laying females laying 100 eggs every 7 days, no natural mortality and no predatory mites/insects present.

RESISTANCE MANAGEMENT

Acramite adds a much sought after option in miticides to help control pests that may be developing resistance to other commonly used products. Research from overseas on bifenazate (active in Acramite) did not find evidence of cross-resistance with currently registered acaricides in different modes of actions.

In terms of resistance management, it is important that there be only one application of Acramite per season. For any miticide it is essential to rotate with different chemical groups to prevent risk of resistance developing.

For strawberry crops two sprays per season are permitted, but a different chemistry should be used between Acramite applications.

FOR BEST RESULTS

- Apply as soon as mites appear
- Apply to the point of run off in a minimum water volume of 1000 L/hectare
- Thoroughly cover all plant parts for effective mite control
- Applying early will increase the length of residual control

REGISTRATION, PERMITS & RATES

Acramite is registered for use on:

Apples	Plums	Cucurbits
Pears	Eggplant	Papaya
Apricots	Tomatoes	Strawberries
Nectarines	Capsicums	Almonds
Peaches	Peppers	

Permits for Acramite in several crops are also available, please refer to the APVMA website or call your Local Area Sales Manager for details.

One easy application rate of 65ml/100L water for all crop situations.

SALES ORDERS

Telephone 1800 078 007
Fax 1800 078 048
Email auorders@upl-ltd.com

Always refer to the label for complete details

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HARVEST WITHHOLDING PERIOD

Acramite has a short withholding period:

Apples and Pears	7 days
Apricots, Nectarines, Peaches & Plums	3 days
Almonds	14 days
Fruiting Vegetables (inc. Tomatoes, Capsicum, Peppers and Eggplant)	1 day
Cucurbits (excluding cucumber)	3 days
Cucumber	1 day
Papaya	7 days
Strawberries	1 day

Re-entry: Once dry
Rainfastness: Once dry

COMPATIBILITY

It is recommended that Acramite be applied alone. We do not assume any responsibility for tank mix compatibility.

