ADAMA

Mavrik® Aquaflow

Bee nice.

ADAMA's green pyrethroid is now registered for use in macadamias!

Product overview

Mavrik® Aquaflow is a broad spectrum insecticide that provides robust control of Lace bug in macadamia crops, thereby improving raceme retention, nut set and yield. It contains 240 g/L tau-fluvalinate (Group 3A) as a concentrated aqueous emulsion. Tau-fluvalinate acts on the insect through contact and ingestion, providing fast knockdown of Lace bugs. Tau-fluvalinate is unique amongst the pyrethroid chemical group in that it presents a low hazard to bees and other certain benefical insect populations. It contains naturally-occurring amino acids that generate unique metabolites that reduce sensitivity for honeybees and bumble bees.

At a glance

Unique formulation	Mavrik® Aquaflow contains 240 g/L tau-fluvalinate (Group 3A) as a concentrated aqueous emulsion.
Protects quality and yield	Mavrik® Aquaflow provides robust, knockdown control of Lace bug (Ulonemia concave) in macadamias.
Doesn't impact pollination	Mavrik® Aquaflow has minimal impact on bees and other beneficial insects, making it suitable for use during early flowering.
Convenience	Mavrik® Aquaflow is a low odour, aqueous formulation that has excellent compatibility with other crop protection products.
Proven crop safety	Mavrik® Aquaflow has no impact on crops when used in accordance with the label directions.

Beneficial species

Mavrik® Aquaflow poses a low hazard to bees. It is one of the few pyrethroid insecticides registered for use in the EU. However, it is good agricultural practice to apply when bees are not actively foraging. Mavrik® Aquaflow exhibits very low toxicity to many other beneficial insects, including wasp and beetle species (including Lady beetles), Lacewings and Hoverflies. Tau-fluvalinate is toxic to certain species of beneficial arthropods, including predatory mites. Application timing should be managed to minimise disruption in integrated pest management programs.

Product information

Active ingredient:
240 g/L tau-fluvalinate

Mode of action:
Group 3A

Formulation:
Oil-in-water Emulsion (EW)

Application information

Dilute spraying:
Apply in 1000–2000 L/ha

Application rate
Mavrik® Aquaflow is applied at 20 mL/100 L of water to the point of run-off for the control of Lace bug in macadamias. Monitor crops from early flowering and apply when local thresholds are reached. A second application may be required if monitoring indicates thresholds are reached. Apply a maximum of two applications per season.

Harvest Withholding Period
21 days

INSECTICIDE

Mavrik® Aquaflow

Figure 1: Impact of different pyrethroid chemistry on beneficial species.

Beneficial name	Tau-fluvalinate	Lambda-cyhalothrin	Bifenthrin	Cypermethrin
Ground beetle (*Poecilius cupreus*)				
Honey bee (*Apis mellifera*)				
Parasitoid wasp (*Aphidius* spp.)				
Ladybug (*Coccinella septempunctata*)				
Lacewing (*Chrysopa perla*)				

Harmless (IOBC classification 1)

Slightly/moderately toxic (IOBC classification 2 or 3)

Harmful (IOBC classification 4)

Figure 2: Control of Lace bug in macadamias. (AD-AU-23-I16-01, Bundaberg, Qld, 2023).

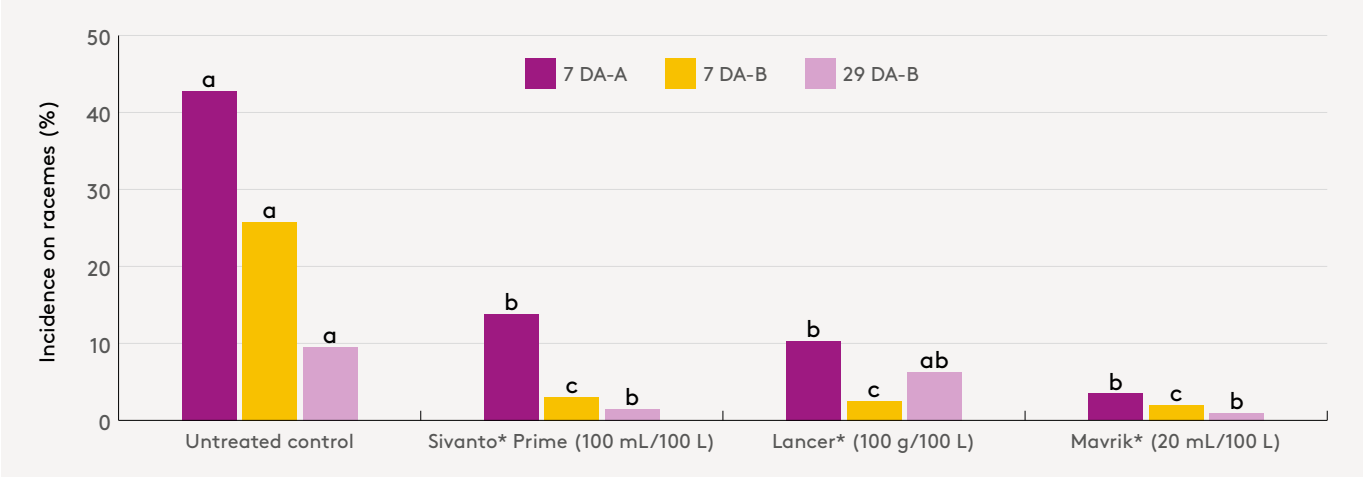
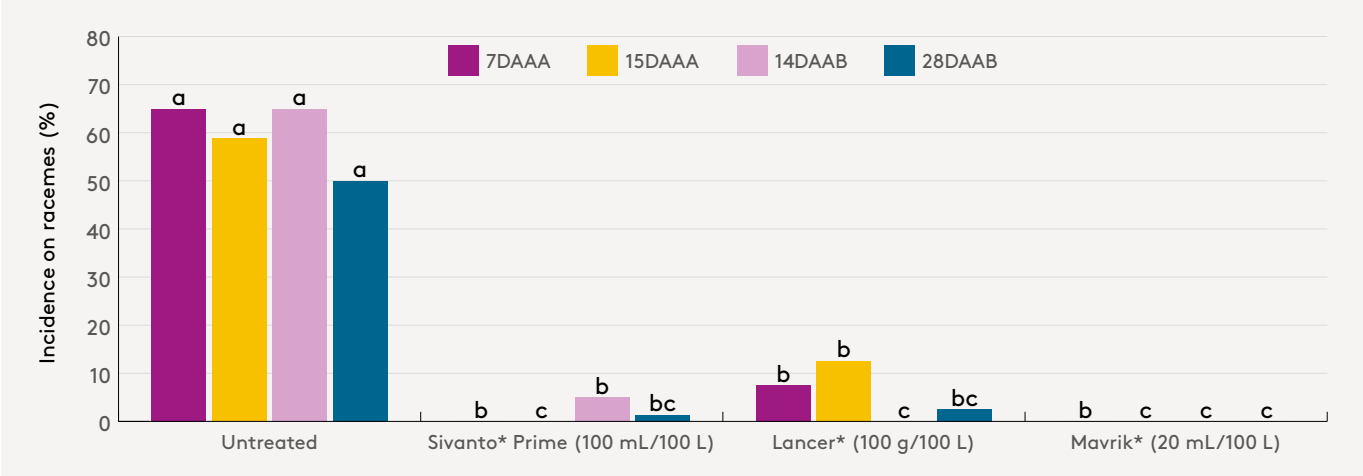


Figure 3: Control of Lace bug in macadamias. (AD-AU-23-I16-02, Maleny, Qld, 2023).



Scan here for more information