

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## Mavrik® Aquaflow

### Insecticide

ACTIVE CONSTITUENT: **240 g/L TAU-FLUVALINATE**

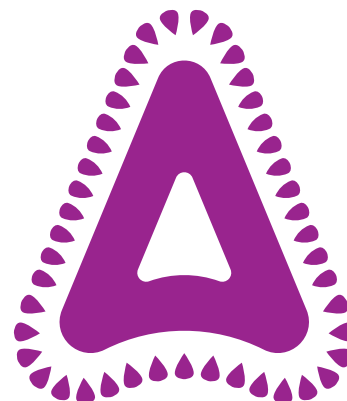
SOLVENT: 94 g/L ETHYLENE GLYCOL

GROUP

**3A**

INSECTICIDE

For use in ornamentals and certain fruit and vegetables as specified in the Directions for Use table



ADAMA

Formulation type  
Suspension  
Concentrate

SC

adama.com

CONTENTS: 500 mL, 1 L, 5 L, 20 L

#### DIRECTIONS FOR USE

RESTRAINT: DO NOT apply by aircraft.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Asparagus	Garden Weevil ( <i>Phlyctinus callosus</i> )	NSW, WA only	High Volume 40 mL per 100 L water	1 day	Apply after spear emergence at up to 500 L spray solution/ha. Daytime spraying is effective but superior control may be achieved at night. DO NOT apply insecticide to spears more frequently than an interval of 7 days. Repeat applications as required, depending on pest pressure. Controlling weevils in asparagus fern may reduce abundance the following season. See note below for insecticide resistance management.
Cauliflower	Native Budworm ( <i>Helicoverpa punctigera</i> ), Cabbage Moth ( <i>Plutella xylostella</i> ), Cabbage White Butterfly ( <i>Pieris rapae</i> )	All States	High Volume 30 - 40 mL per 100 L water  OR Low Volume 300 - 400 mL per ha	2 days	Commence spraying at first signs of insect infestation. Use the low rate to control low insect populations. DO NOT treat <i>Helicoverpa</i> caterpillars that are larger than 5 mm in length. <b>Caterpillar Insect Control</b> Apply when "low" to "moderate" egg laying is detected, larvae are just about to hatch and small caterpillars (up to 5 mm) are present. Apply as a thorough spray. Repeat applications at 7 - 14 day intervals depending on pest infestation.
Tomatoes	Tomato Grub ( <i>Helicoverpa armigera</i> ), Corn Earworm ( <i>Helicoverpa armigera</i> ), Green Peach Aphid ( <i>Myzus persicae</i> )				<b>Ornamentals</b> Where foliage may be difficult to wet due to dust, hairiness or waxy leaves and where mite control is required, the addition of a surfactant is recommended. Thorough coverage is essential. Apply early before mite population is established.
Ornamentals, Flowering Plants, Shrubs (Non-Edible)	Native Budworm ( <i>Helicoverpa punctigera</i> ), Corn Earworm ( <i>Helicoverpa armigera</i> ), Two-spotted Mite ( <i>Tetranychus urticae</i> )		3 or 4 mL per 10 L water	Not required	

## TREE AND VINE CROPS

RATE					CRITICAL COMMENTS
In the following table, all rates are given for dilute spraying For concentrate spraying, refer to Mixing/Application Section.					
CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Apples	Apple Dimpling Bug ( <i>Campylomma liebknecht</i> ), Plague Thrips ( <i>Thrips imaginis</i> )	Qld, NSW, Vic, SA, WA only	20 mL per 100 L water	Not required	Apply early blossom from pink stage to 20 % blossom. DO NOT apply after 20 % of blossoms have opened. Best prevention of Apple Dimpling Bug and Thrips damage is achieved by spraying at commencement of flowering. Apply a maximum of 2 non-consecutive sprays of MAVRIK® AQUAFLOW per season, as early as possible during flowering. Will disturb Integrated Mite Control. See General Instructions.
Cherries, Nectarines, Peaches, Plums	Plague Thrips ( <i>Thrips imaginis</i> )				Apply just prior to or at commencement of flowering when a significant population of Thrips can be found. A second application may be required depending on pest pressure 10-14 days later. This second application MUST NOT be applied outside the blossom period.
Table Grapes					

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

### WITHHOLDING PERIODS

**APPLES, CHERRIES, TABLE GRAPES, NECTARINES,**

**PEACHES, PLUMS AND ORNAMENTALS: NOT REQUIRED WHEN USED AS DIRECTED.**

**ASPARAGUS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

**CAULIFLOWER AND TOMATOES: DO NOT HARVEST FOR 2 DAYS AFTER APPLICATION.**

**Export of treated produce: MRLs may not be established in export markets. Check with your Industry Association or Adama Australia prior to using this product on crops destined for export.**

### GENERAL INSTRUCTIONS

MAVRIK® AQUAFLOW is highly toxic to predatory mites. DO NOT use in areas where integrated mite control is being practiced.

### MIXING

Shake well before use. Add the required quantity of MAVRIK® AQUAFLOW to clean water in the spray tank while stirring or while agitators are in motion. Maintain agitation during spraying.

### APPLICATION

#### **Cauliflower, Tomatoes and Ornamentals**

Use standard low volume boom or high volume spray equipment calibrated to give the required rates.

**High Volume:** Use 600 - 1,100 L water per hectare, depending on plant size.

**Low Volume:** Use sufficient water to give adequate penetration and coverage.

**Asparagus:** Up to 500 L spray solution/ha may be applied with High Volume spray equipment.

#### **Special Mixing and Application Instructions for Tree Crops and Vines: Apples, Cherries, Peaches, Plums, Nectarines and Grapes**

##### **Dilute Spraying**

- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off.
- The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.
- For Qld only: apply 800 - 3000 L.

##### **Concentrate Spraying**

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- Determine an appropriate dilute spray volume (see Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
- For Qld only: apply 400 - 1500 L.
- The mixing rate for concentrate spraying can then be calculated in the following way.

Example only

1. Dilute spray volume as determined above: For example 2000 L/ha

2. Your chosen concentrate spray volume: For example 1000L/ha

3. The concentration factor in this example is :

$$2 \times (\text{i.e. } 2000 \text{ L} \div 1000 \text{ L} = 2)$$

4. If the dilute label rate is 20 mL/100 L, then the concentrate rate becomes 2 x 20, that is 40 mL/100 L of concentrate spray.

- The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

### RESISTANCE MANAGEMENT:

**Helicoverpa spp.:** *Helicoverpa armigera* resistance has been recorded in Northern New South Wales and Queensland. To help contain pyrethroid resistance in *Helicoverpa armigera*, the Summer Crop Insecticide Strategy as developed by the Queensland Department of Primary Industries and NSW Department of Primary Industries should be adhered to. Failure to observe the strategy may result in widespread resistance affecting the future viability of Summer cropping.

**Two-spotted Mite (*Tetranychus urticae*):** To help avoid resistance apply no more than two MAVRIK® AQUAFLOW sprays in succession, then change to a miticide from another chemical group. Preferably apply miticides from two different chemical groups before returning to a MAVRIK® AQUAFLOW spray again.

**Garden Weevil (*Phlyctinus callosus*):** To help avoid resistance, use an insecticide from a different activity group either within or between seasons. Including insecticides from another activity group, do not spray any crop more than six times per season, including no more than four times to asparagus spears.

### INSECTICIDE RESISTANCE WARNING

For insecticide resistance management

GROUP **3A** INSECTICIDE

MAVRIK® AQUAFLOW Insecticide is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to MAVRIK® AQUAFLOW and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if MAVRIK® AQUAFLOW or other Group 3A insecticides are used repeatedly. The effectiveness of MAVRIK® AQUAFLOW on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of MAVRIK® AQUAFLOW to control resistant insects.

MAVRIK® AQUAFLOW may be subject to specific resistance management strategies. For further information contact your local supplier, Adama representative or local agricultural department agronomist.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Toxic to fish. DO NOT contaminate streams, rivers or waterways with this chemical or used containers.

#### **PROTECTION OF LIVESTOCK**

Bee safety: The product presents a low hazard to bees, however, under good pesticide application practices application is preferred when bees are not actively foraging.

#### **STORAGE AND DISPOSAL (500 mL, 1 L)**

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

#### **STORAGE AND DISPOSAL (5 L, 20 L)**

Store in the closed, original container in a well-ventilated area as cool as possible, out of direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Add rinsings to spray tank. Dispose of the rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

#### **SAFETY DIRECTIONS**

Will irritate the eyes and skin. Avoid contact with eyes and skin. When using the product wear face shield or goggles.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash face shield or goggles and contaminated clothing.

#### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

#### **SDS**

Additional information is listed in the safety data sheet (SDS). A safety data sheet for MAVRIK® AQUAFLOW is available from [adama.com](http://adama.com) or call Customer Service on 1800 423 262.

**CONDITIONS OF SALE:** The use of MAVRIK® AQUAFLOW Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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