

# POISON

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

# Wizard® 18

## Miticide/Insecticide

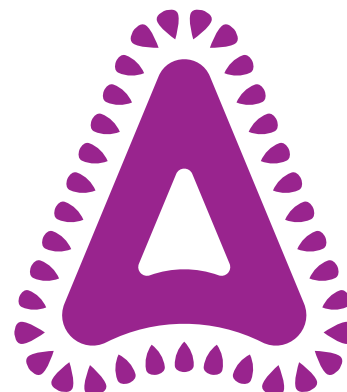
ACTIVE CONSTITUENT: **18 g/L ABAMECTIN**

SOLVENTS: 265 g/L N-METHYL-2-PYRROLIDONE  
58 g/L LIQUID HYDROCARBON

GROUP **6** INSECTICIDE

For control of pest mites, Bollworm and Native Budworm on cotton and Two-spotted Mite in soybeans as per the Directions for Use table

Formulation type  
Emulsifiable  
Concentrate



# ADAMA

adama.com

CONTENTS: 20 L, 200 L, 1000 L

### DIRECTIONS FOR USE: (Qld, NSW, WA only)

**RESTRAINTS:** DO NOT use if rainfall is expected before spray has dried as reduced efficacy may result.

DO NOT make more than two applications to cotton per season, regardless of pest being controlled.

SITUATION	PEST	RATE	CRITICAL COMMENTS
Cotton	Two-Spotted Mite ( <i>Tetranychus urticae</i> ), Carmine Mite ( <i>Tetranychus cinnabarinus</i> )	300 mL/ha	Apply to actively growing crops. Thorough coverage is essential. Monitor crops regularly and apply as soon as the threshold mite number for your area has been reached. Best results will be obtained when applied to low mite populations. Application to high populations may not give satisfactory control. Under these conditions a second miticide application 7 - 10 days later may be needed.
Cotton (NSW, Qld only)	Native Budworm ( <i>Helicoverpa punctigera</i> ) Bollworm ( <i>Helicoverpa armigera</i> )	300 or 600 mL/ha	Apply to actively growing crops. Thorough coverage is essential. Apply when larvae threshold levels warrant treatment. Use the low rate only when Lepton test kit results show less than 10% <i>Helicoverpa armigera</i> . The addition of 2 L/ha AMITRAZ is recommended if brown eggs reach threshold. Larvae feeding within bolls may not be controlled. Application should target brown eggs and newly emerged larvae (neonates). DO NOT apply more than twice in one season for <i>Helicoverpa</i> control.
Soybeans	Two-Spotted Mite ( <i>Tetranychus urticae</i> )	300 mL/ha	Apply to actively growing crops. Thorough coverage is essential. Monitor crops regularly and apply as soon as there are 10 mites per leaf. Best results will be obtained when applied to low mite populations. Application to high populations may not give satisfactory control. Under these conditions a second miticide application 7 - 10 days later may be needed. DO NOT apply more than 2 sprays per season.

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

### WITHHOLDING PERIODS

**COTTON:** DO NOT HARVEST FOR 20 DAYS AFTER APPLICATION.  
DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 20 DAYS AFTER APPLICATION.

**SOYBEANS:** DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.  
DO NOT GRAZE OR CUT FOR STOCKFEED FOR 28 DAYS AFTER APPLICATION.  
OBSERVE RESTRAINTS AND RESTRICTIONS FOR TANK MIX PRODUCTS.

## GENERAL INSTRUCTIONS

WIZARD® 18 is an insecticide and acaricide with contact and stomach action. WIZARD® 18 has limited plant systemic activity but exhibits translaminar movement. Good spray coverage is essential. WIZARD® 18 is translocated into leaves and remains for several weeks offering limited residual control of target pests. Abamectin that is not absorbed into plants is quickly degraded.

## APPLICATION

Apply by ground spraying equipment in a minimum spray volume of 100 L/ha or by fixed wing aircraft in a minimum volume of 20 L/ha. Good coverage is essential.

**Air:** Apply by air spray when there is a reliable cross wind to assist with good penetration into the crop canopy. Application should be carried out in the cooler parts of the day or night. Preferably use aircraft fitted with micronair atomisers.

**Ground:** Use inter-row droppers fitted with nozzles spraying towards the crop rows. Inter-row nozzles should be level with or just below the canopy and spraying at right angles to the ground.

**Mixing:** Measure the required amount of WIZARD® 18, add to the partly filled spray tank and then add the remainder of the water. Wetting agent is not required.

## COMPATIBILITY

WIZARD® 18 is compatible with Deltamethrin EC formulations, Alpha-Scud® Elite, Showdown®375 and EC formulations of methomyl. DO NOT apply with ULV formulations. Mixtures with more than one of the above are not recommended. As formulations of other manufacturer's products are beyond the control of Adama, all mixtures should be tested prior to mixing commercial quantities.

## INSECTICIDE RESISTANCE WARNING

For insecticide resistance management WIZARD® 18 is a Group 6 insecticide.

GROUP	<b>6</b>	INSECTICIDE
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Some naturally occurring insect biotypes resistant to WIZARD® 18 and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if WIZARD® 18 or other Group 6 insecticides are used repeatedly. The effectiveness of WIZARD® 18 on resistant individuals could be significantly reduced.

Since the occurrence of resistant insects is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of WIZARD® 18 to control resistant insects.

WIZARD® 18 may be subject to specific resistance management strategies. For further information contact your local supplier, Adama representative or local agricultural department agronomist.

## RESISTANCE MANAGEMENT

The use of WIZARD® 18 should be in accordance with anti-resistance guidelines developed in accordance with the Cotton IRMS.

## CROP MONITORING

Effective control depends upon regular monitoring of crops. Check crops regularly (every 3 - 5 days) during the season.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply under weather conditions or from spraying equipment, that may cause spray to drift onto adjacent non-target aquatic areas (ponds, streams, lakes, rivers or waterways). A strategy to minimise spray drift should be employed at all times when applying sprays as outlined in the cotton industries Best Management Practice Manual. Dangerous to fish and other water-borne organisms.

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

Studies indicate that when abamectin comes into contact with soil it readily and tightly binds to the soil and becomes inactive over time.

## STORAGE AND DISPOSAL

**20 L, 200 L:** Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store with seeds, foodstuffs or fertiliser. DO NOT use this container for any other purpose. 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.

**1000 L:** Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store with seeds, foodstuffs or fertiliser. DO NOT use this container for any other purpose. Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs Adama Australia should be advised immediately. This minibulk container is reusable and remains the property of Adama Australia. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to Adama Australia for cleaning, relabelling and refilling.

## RE-ENTRY PERIOD

Under field conditions the spray should be allowed to dry on the foliage before re-entry into treated areas.

## SAFETY DIRECTIONS

Poisonous if absorbed by skin contact or swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container, preparing spray and using prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length butyl rubber gloves and goggles. For spray applications wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length butyl rubber gloves, goggles, half face respirator with dust cartridge or canister. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator (and if rubber, wash with detergent and warm water) or face piece and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. **If skin contact occurs**, remove contaminated clothing and wash skin thoroughly. **If swallowed**, DO NOT induce vomiting. Give a glass of water. **If in eyes**, hold eyes open, flood with water for at least 15 minutes and see a doctor.

## SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for WIZARD® 18 Miticide/Insecticide is available from adama.com or call Customer Service on 1800 423 262.

**CONDITIONS OF SALE:** The use of WIZARD® 18 Miticide/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 from the use of this product.

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