

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

# AGRIMEC<sup>®</sup>

## MITICIDE/INSECTICIDE

**Active Constituent:** 18 g/L ABAMECTIN

**Solvent:** 265 g/L N-METHYL - 2- PYRROLIDONE

For the control of certain mites and insect pests on Apples, Citrus, Cotton, Hops, Pears, Tomatoes and Strawberries.

**GROUP 6A INSECTICIDE**

NRA Approval No: 50771/0502

**Pack size: 20 L**



UN NO. 2902 PESTICIDES, LIQUID, TOXIC, N.O.S.  
 (CONTAINS ABAMECTIN) PACKING GROUP III HAZCHEM 2X

## GENERAL INSTRUCTIONS

### Insecticide Resistance Warning

For insecticide resistance management AGRIMEC is a Group 6A insecticide. Some naturally occurring insect biotypes resistant to AGRIMEC and other Group 6A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if AGRIMEC and other Group 6A insecticides are used repeatedly. The effectiveness of AGRIMEC on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Crop Protection Pty Limited accepts no liability for any losses that may result from failure of AGRIMEC to control resistant insects. AGRIMEC may be subject to specific resistance management strategies. For further information contact your supplier, Syngenta representative or local agricultural department agronomist.

**Crop Specific Strategy:** AGRIMEC should not be applied more than the following number of times:

*Apples, Citrus, Hops, Pears:* One spray per season  
*Cotton, Strawberries:* Two sprays per season  
*Tomatoes:* Two sprays per crop if mites are present, five sprays if mites are not present

In addition, AGRIMEC should not be applied in two consecutive seasons or crops without an unrelated chemical being used in between. Alternate AGRIMEC with approved miticides from other chemical groups. Consult your chemical supplier or technical consultant for advice on chemical groups.

### Crop Monitoring

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

### Mixing

Measure the required amount of AGRIMEC, add to the partly filled spray tank, and then add the remainder of the water. If oil is recommended, add this after the AGRIMEC is well mixed. Wetting agent is not required.

**Mixing instructions for apple and pear applications:** To achieve 750 mL AGRIMEC + 5 L Summer oil/ha apply spray at the following mixing rates:

	AGRIMEC (Rate/100 L required)	Summer Oil
1000 L/ha (minimum)	75 mL	500 mL
1500 L/ha	50 mL	335 mL
2000 L/ha	37.5 mL	250 mL
2500 L/ha	30 mL	200 mL

**Crop Safety:** AGRIMEC plus summer oil has very occasionally caused slight fruit russetting on some pear varieties particularly Anjou and other sensitive varieties when used alone or when other products are applied sequentially. A very small amount of temporary apple fruit blemishing has been associated with low water volume applications. DO NOT apply AGRIMEC to apples or pears before or after applications of Delan\* or Captan\*. The Directions for Use and Precautions on summer oil labels should be followed carefully. Certain conditions may play a part in the occurrence of this damage. DO NOT make applications:

- when temperatures exceed 28°C or are expected to exceed 28°C within 48 hours after application,
- under poor or slow drying conditions, or
- with equipment that may leave large droplets on fruit after application.

### Application to Cotton

Apply by ground spraying equipment or by fixed wing aircraft in a minimum volume of 20 L/ha. AGRIMEC is not systemic making good coverage essential.

**Air:** Apply by air 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 cotton rows. Inter-row nozzles should be level with or just below the canopy.

### Compatibility

AGRIMEC is compatible with BP Summer Spray Oil\*, Codacide\*, Larvin# 375, methomyl, Ovasyn\* EC, Summer Spray Oil\* and with most commonly used insecticides and fungicides. DO NOT apply with ULV formulations. Mixtures with more than one of the above are not recommended. As formulations of other manufacturers' products are beyond the control of Syngenta and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

### PRECAUTION

#### Re-entry Period

Under field conditions, the spray should be allowed to dry on the foliage before re-entry into treated areas. DO NOT allow entry into treated areas in glasshouses for 24 hours after treatment. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length butyl rubber gloves.

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

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift from the target area. Dangerous to fish and other aquatic 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.

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## STORAGE AND DISPOSAL

Store in the closed original container in a dry, cool, well ventilated area out of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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.

## 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,
- a washable hat,
- elbow-length butyl rubber gloves, and
- goggles.

**For space applications, wear:**

- cotton overalls buttoned to the neck and wrist,
- a washable hat,
- elbow-length butyl rubber gloves,
- goggles, and
- half facepiece 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) and contaminated clothing.**

## FIRST AID

**If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.**

## Material Safety Data Sheet

If additional hazard information is required, refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at [www.syngenta.com.au](http://www.syngenta.com.au)

## MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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\* Registered trademark.

## DIRECTIONS FOR USE

**Restrictions:** DO NOT use if rainfall is expected before spray has dried as reduced efficacy may result.  
 DO NOT apply to cotton under visible stress.  
 DO NOT make more than two applications to cotton in any one season. Refer to the Insecticide Resistance Warning.

### Cotton

Crop	Pest	Rate	WHP (days)	Critical Comments
Cotton (Qld, NSW, WA only)	Two-spotted Mite ( <i>Tetranychus urticae</i> ), Carmine Spider Mite ( <i>Tetranychus cinnabarinus</i> )	300 mL/ha	20	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 to 10 days later may be needed. DO NOT use more than twice in one season for mite control.
	Native Budworm ( <i>Helicoverpa punctigera</i> )	300 mL/ha or 600 mL/ha		Use only when Lepton test kit results indicate no greater than 10% <i>Helicoverpa armigera</i> are present. Use the higher rate alone or the lower rate with a suitable mixing partner. Applications should be targeted at brown eggs and newly emerged larvae (neonates). Mixed sized larval populations should be avoided. DO NOT use more than twice in one season for Native Budworm control.

### Fruit and Vegetable Crops

Crop	Pest	Rate	WHP (days)	Critical Comments
Apples, Pears	European Red Mite ( <i>Panonychus ulmi</i> ), Two-Spotted Mite ( <i>Tetranychus urticae</i> )	750 mL/ha plus 5 L/ha summer oil  See General Instructions for mixing rates	14	Apply as dilute or concentrate sprays but in no less than 1000 L/ha. Good coverage is essential. Use a high quality summer spraying oil only and follow label instructions. DO NOT apply AGRIMEC before or after applications of Delan* or Captan*. In apples, apply AGRIMEC from 2 to 6 weeks after petal fall if monitoring shows high numbers of over-wintering European red mite eggs are present, or if mites are a problem early in the season. In pears, timing is not as critical and the application should be made soon after mite numbers have reached the threshold for your area. Generally AGRIMEC takes about 7 days to reach maximum mite control. AGRIMEC will control moderate to high mite populations, but in the absence of predatory mites (see Integrated Pest Control below), re-treatment with another miticide may be necessary. If re-treatment is required, use an approved miticide from a different chemical group. Refer to notes on Resistance and Crop Safety under General Instructions section of this label.  <b>Integrated Pest Control:</b> The effects of AGRIMEC on parasitic wasps and other beneficial insects in Australian orchards are not fully known. Studies have shown that after application of AGRIMEC, predatory mite populations may not increase for a number of weeks, due to a lack of suitable pest mite prey. Predatory mite numbers will increase with any increase in pest mite numbers allowing the continuation of biological mite control. DO NOT use in IPM programs unless the pest mite threshold has been reached and predators are unlikely to achieve effective control.

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## DIRECTIONS FOR USE – *continued*

### Fruit and Vegetable Crops - *continued*

Crop	Pest	Rate	WHP (days)	Critical Comments
Citrus	Broad Mite ( <i>Polyhagotarso nemus latus</i> ), Brown Citrus Rust Mite ( <i>Tegolophus australis</i> ), Citrus Rust Mite ( <i>Phyllocoptera oleivora</i> )	15 mL/100 L or 25 mL/100 L plus 250 mL/100 L summer oil	7	Apply as pest pressure indicates as a dilute spray in 3000 to 6000 L water/ha. Use the higher rate under conditions of high pest pressure. Make no more than one application per season.
Hops	Two-Spotted Mite ( <i>Tetranychus urticae</i> )	1.0 L/ha	28	Apply as pest pressure indicates as a dilute spray in 1000 to 2000 L water/ha, depending on crop size. Make no more than one application per season.
Strawberries		100 mL/100 L  If spray volume is less than 600 L/ha, use a minimum of 600 mL AGRIMEC/ha  DO NOT exceed 1200 mL AGRIMEC/ha	3	Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plants is essential. Preferably apply on first appearance of mites. When applied early, one application may be sufficient to give effective control, however, if mite numbers exceed 3 to 5 mites per leaflet, apply 2 applications spaced 7 to 10 days apart. Re-apply as pest numbers indicate to a maximum of 2 sprays with AGRIMEC per season. If re-treatment is required after 2 consecutive sprays with AGRIMEC, use an approved miticide from a different chemical group. <b>Integrated Pest Control:</b> see comments in the apple and pear section. Refer to notes on Resistance under General Instruction section of this label.
Tomatoes Field grown (not trellised)		300 mL/ha or 450 mL/ha		Apply in sufficient volume to obtain even coverage and penetration of plants. Use droppers to direct spray onto plants and away from the inter-row. Preferably apply before the build-up of mite numbers. If mite numbers exceed 5 mites/compound leaf, use the higher rate. Re-apply as pest numbers indicate. Allow at least 28 days between applications with AGRIMEC and DO NOT use more than 2 AGRIMEC sprays per crop. Refer to notes on Resistance under General Instructions section of this label.
	Tomato Russet Mite ( <i>Aculops lycopersici</i> )	300 mL/ha or 450 mL/ha		Apply as for two-spotted mite. The lower rate will control tomato russet mite not apparent at spraying. Use the higher rate when tomato russet mite is present at spraying or is the main pest.
	Tobacco Leafminer (Potato Moth) ( <i>Phthorimaea operculella</i> )	600 mL/ha		Apply in sufficient volume to obtain even coverage and penetration of plants. Use droppers to direct spray onto plants away from the inter-row. Apply at the first sign of pests. Re-apply as pest numbers indicate or every 7 to 10 days with a maximum of 5 applications to the crop. If mites are also a problem, DO NOT use more than 2 AGRIMEC sprays per crop. Refer to notes on resistance under General Instructions section of this label. <b>Note:</b> Other IPM strategies to reduce leafminer populations should be employed.

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## DIRECTIONS FOR USE – *continued*

### Fruit and Vegetable Crops - *continued*

Crop	Pest	Rate	WHP (days)	Critical Comments
Tomatoes Trellised or staked tomatoes	Two-Spotted Mite ( <i>Tetranychus urticae</i> )	High volume spraying: 300 mL/ha or 450 mL/ha using concentrations of 60 mL/100 L or 90/ mL/100 L	3	Wet foliage to near the point of run-off. Thorough coverage and penetration into bushes is essential. Preferably apply before the build-up of mite numbers. If mite numbers exceed 5 to 6 mites/compound leaf, use the higher rate. Re-apply as pest numbers indicate. Allow at least 28 days between applications with AGRIMEC and DO NOT use more than 2 AGRIMEC sprays per crop. Refer to notes on Resistance under General Instructions section of this label.
	Tomato Russet Mite ( <i>Aculops lycopersici</i> )			Apply as for two-spotted mite. The lower rate will control tomato russet mite not apparent at spraying. Use the higher rate when tomato russet mite is present at spraying or is the main pest.
	Tobacco Leafminer (Potato Moth) ( <i>Phthorimaea operculella</i> )	High volume spraying: 600 mL/ha using concentrations of 120 mL/100 L		Wet foliage to near the point of run-off. Thorough coverage and penetration into bushes is essential. Apply at the first sign of pests. Re-apply as pest numbers indicate or every 7 to 10 days with a maximum of 5 applications to the crop. If mites are also a problem DO NOT use more than 2 AGRIMEC sprays per crop. Refer to notes on resistance under General Instructions section of this label. <b>Note:</b> Other IPM strategies to reduce leafminer populations should be employed.

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

#### WITHHOLDING PERIODS:

- Apples, Pears:** DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.  
DO NOT FEED TREATED PRODUCE TO LIVESTOCK FOR 14 DAYS AFTER APPLICATION.
- Citrus:** DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.
- Cotton:** DO NOT HARVEST FOR 20 DAYS AFTER APPLICATION.  
DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 20 DAYS AFTER APPLICATION.
- Hops:** DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.  
DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.
- Strawberries,**
- Tomatoes:** DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.  
DO NOT FEED TREATED PRODUCE TO LIVESTOCK FOR 3 DAYS AFTER APPLICATION.

