



Sugarcane	Sugarcane ( <i>Agropyron spp.</i> )	QLD, NSW & WA only	375mL/ha* or 5.6mL/100m of row	-	Apply as a spray into the furrow at planting. Use a spray nozzle which will deliver a coarse spray in a total volume of 60-100L/ha in a band 20-30cm wide over the base of the furrow on top of the sets, and before covering soil is brought in by lines. *The rate is based on a 1.5m row spacing. If row spacing varies from 1.5m then apply at the use rate according to mL/100m of row.
Tomatoes	Native Budworm ( <i>Helicoverpa punctigera</i> ) Corn Earworm ( <i>Helicoverpa armigera</i> ) Two spotted mite ( <i>Tetranychus urticae</i> ) Tomato russet mite ( <i>Aculops lycopersici</i> ) Whitfly ( <i>Trialetodes vaporariorum</i> )	All States	High Volume 40-60mL/100L or Low Volume 600mL/ha	1 day	Do not use low volume ground or air application on trellis tomatoes.  <b>Crop Monitoring Program</b> <i>Helicoverpa spp.</i> : Apply as indicated by field checks. Applications should be timed to coincide with egg hatch and when small larvae up to 5mm are present. Do not apply this product to <i>Helicoverpa armigera</i> larvae larger than 5mm in length.  <b>Mites:</b> Applications against <i>Helicoverpa spp.</i> will give good control of coincident mites, particularly when applied on low mite populations. If conditions continue to favour mite development, a second application may be required 14-20 days later.  <b>Schedule Spray Program</b> If fields are not checked during pest infestation periods, apply on a 7-10 day alternating program with a non pyrethroid insecticide. Use the higher rate (high volume application) and shorter interval when pest infestation is more severe and when increased residual protection is required. Do not apply this product to <i>Helicoverpa armigera</i> larvae larger than 5mm in length.  Apply as indicated by pest incidence and repeat as necessary. Use a total spray volume of 2500 L/ha.

Turf (for example Lawns Commercial turf farms, Parks, Recreational areas, Bowling greens, Sports Fields)	Lawn Army Worm ( <i>Spodoptera mauritia</i> ) Sod Webworm ( <i>Ampelodesmos</i> ) Argentine Stem Weevil adults ( <i>Listronotus bonariensis</i> ) Billbug adults ( <i>Scenoporus</i> sp.) African Black Beetle adults ( <i>Psephenochus arator</i> ) Coastal Brown Ant, Fennel Ant, Meat Ant, Sugar Ant and Stinging Ant, only	All States	1.2 L/ha (12 mL/100 m <sup>2</sup> )  1.2-4 L/ha (12-44 mL/100 m <sup>2</sup> )  2.4 – 3.6 L/ha (24-36 mL/100 m <sup>2</sup> )  1.2 – 4.4 L/ha (12-44 mL/100 m <sup>2</sup> )	-	Mix AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE in water and apply evenly over the area to be treated using spray application equipment. Use a minimum total spray volume of at least 200 L/ha (2 L/100 m <sup>2</sup> ). To ensure optimal control, irrigate the treated areas with up to 4 mm of water soon after application. Insect treated areas for continuing activity. Reapply as required. Where a rate range is indicated, use lower rates under lower insect pressure and higher rates under higher insect pressure. Apply after mowing to minimise loss of insecticide in clipping. DO NOT apply to soils if excessively wet or immediately after heavy rain.
					Mix AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE in water and apply evenly over the area to be treated using spray application equipment. Apply to areas where ants are active. Where possible spray directly into the nests. Use the low rate for maintenance treatments or to control light infestations and the high rate for heavy infestations and for maximum residual control. The elimination of tunnel ants from a particular site will generally require more than one application. Initial applications should be applied over affected areas. As the initial numbers of active colonies is reduced, application should shift to targeting active mounds. Apply spray directly to the mound and in the area immediately surrounding active mounds (300 mm radius).

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

**WITHHOLDING PERIODS:**  
**APRICOTS, NECTARINES, PEACHES, PLUMS, TOMATOES: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**  
**BANANAS:**  
**For Ground Applications – DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**  
**For Foliar Applications – DO NOT HARVEST FOR 8 DAYS AFTER APPLICATION**

**PEARS:**  
**NAVY BEANS: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION**  
**CANOLA, SUBTERRANEAN CLOVER, CLOVER, FIELD PEAS, FABA BEANS, WHEAT, BARLEY, LUCERNE AND LUPINS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION**  
**HARVEST WHP: NOT REQUIRED WHEN USED AS DIRECTED.**

**CITRUS, GRAPES, SUGARCANE: NOT REQUIRED WHEN USED AS DIRECTED.**

**GENERAL INSTRUCTIONS – AGRICULTURAL CROPS**

AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE is a contact and residual insecticide/miticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE is applied before pest populations build up to damaging levels.

This product is not suitable for use in Integrated Pest Management (IPM) programs where mite or other insect predators or parasitoids are established and providing effective mite and other insect control.

**APPLICATION**

AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE may be applied by either ground rig or aircraft. Thorough coverage is essential to ensure adequate control. Do not apply as a fog or mist.

**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 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 required amount of product specified in the Directions for Use for each 100L of water. Spray to the point of run-off.
- The required dilute spray volume will change as sprayer set up and operation may also need to be changed, as the crop grows.

**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 the appropriate dilute spray (see dilute spraying above) for crop canopy. This is needed to calculate the concentrate mixing rate.
- The mixing rate for concentrate spraying can then be calculated in the following way:

**EXAMPLE ONLY:**

- Dilute spray volume as determined above: For example 1000L/ha
- Your chosen concentrate spray volume: For example 500L/ha
- The concentration factor in this example is: 2 x (ie 1000L ÷ 500L = 2)
- If the dilute label rate is 50mL/100L, then the concentrate rate becomes 2 x 50, that is 100mL/100L of concentrate spray.

- \* The chosen spray volume, amount of product per 100L 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 the relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

**Ground Application:** Applications should be made as a fine spray preferably using hollow cone nozzles and a droplet size of 150 to 200 microns. The application volume will depend on the type of crop to be treated. The following are suggested:

Low volume broadcast application to – e.g. cereals, canola, grain, legumes, Lucerne, subterranean clover: 50 – 200L/ha.

Low volume row crops applications to tomatoes, navy beans: 50-200L/ha.

High volume applications to row crops – e.g. trellised tomatoes: 200 – 1000L/ha except as noted in critical comments. Use 200L/ha from transplanting increasing to 1000L/ha at maturity.

High volume directed spray:

Grapes: Apply by hand application, using a high volume coarse spray of 500mL/vine. (e.g. at approx. 2500 vines/ha = 1250L/ha).

Foliar sprays to bananas: 300 to 500 L/ha

High volume application to stone fruit: 1000 to 2000L/ha

**Soil Applied Sprays:**

High volume application to stone fruit: 1000 to 2000L/ha

**Bananas:**

Stool treatment: Apply as a coarse spray at 500 – 750 mL per stool.

Band treatment: Apply as a band application with a side delivery boom and offset nozzles – 1L of spray solution per stool.

**Citrus:** Apply as a high volume, directed spray to the ground under each tree. Total spray volume should be 5 to 10 L/tree (e.g. at 250 trees/ha = 1250 to 2500L/ha).

**In Furrow applications:**

Sugarcane: Use a coarse spray: 60 to 100L/ha as a band over the seed or sett before covering with soil – refer to critical comments for details.

**Aerial Application:**

Use at least 20 L/ha of total spray volume. Spray during the cooler parts of the day or night. To reduce possibility of drift avoid spraying in calm conditions or when wind is light and variable. Preferably, spray in a crosswind. Use suitable application equipment and/or nozzles to deliver a fine spray with a droplet size of 150 to 200 microns. A spray drift minimisation strategy should be employed at all times when aerially applying sprays to, or near, sensitive areas. The strategy envisaged is best exemplified by the cotton industry's Best Management Practice manual.

**MONITORING**

Post-emergence monitoring of Citrus leaf-eating weevil populations: At first sign of major beetle emergence in mid October commence monitoring at 1 to 2 week intervals. Place polystyrene fruit box (330 x 480mm) under tree, shake branches vigorously, repeat on ten randomly selected trees throughout orchard. If 25 beetles or more are recorded in consecutive counts, treatment is required.

**MIXING**

Add the required quantity of AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE to water in the spray tank and mix thoroughly. Maintain agitation during mixing and application.

**COMPATIBILITY**

AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE is compatible with commonly used fungicides such as Dithane M45, Antracol, Bravo 500 and the herbicides – Sprayseed, Broadstrike, Spinlinter, Simagrax, Dual, Sencor, Glean, Logan and Stomp.

**SURFACTANTS**

AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE contains a surfactant. Additional surfactant may only be necessary on hard to wet plants and in high volume situations. **\*NOTICE\*** *Helicoverpa (= Heliothis) armigera* resistance in Northern NSW and Qld. To help contain pyrethroid resistance in *H. armigera*, the Summer Crop insecticide strategy as developed by the Old Department of Primary Industries and NSW Agriculture should be adhered to. Failure to observe the strategy may result in widespread resistance affecting the future viability of summer cropping.

**STONE FRUIT EXPORT ADVICE**

Export of Treated Stone Fruit – Some export markets do not have suitable Maximum Residue Limits or Import Tolerances in place. Please contact AMGROW or the Australian Fresh Stone Fruit Growers Association prior to using this product on crops destined for exports.

**RE-ENTRY TO TREATED FIELD/CROPS**

Do not re-enter treated field/crop until spray deposits have dried, unless wearing suitable protective clothing (i.e. waterproof hat, overalls, boots and gloves).

**PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND THE ENVIRONMENT**

Dangerous to fish and aquatic organisms. Do not contaminate dams, rivers, streams, waterways or drains with product or the used container. Tail drains which flow from treated areas should be prevented from entering river systems.

**PROTECTION OF LIVES/TOCK**

Dangerous to bees. DO NOT spray any plants in flower when bees are foraging. Spray in the early morning when bees are not actively foraging.

**SAFETY DIRECTIONS – AGRICULTURAL CROPS**

Poisonous if swallowed. Attacks eyes. Will irritate the skin. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and goggles. When using the prepared spray with hand held application equipment in bananas and grapes, wear cotton overalls buttoned to the neck and wrist and elbow length PVC gloves. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

**ALL USES:**

**INSECTICIDE RESISTANCE WARNING**

<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE is a Group 3A insecticide.

Some naturally occurring insect biotypes resistant to AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE 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 the product or other Group 3A insecticides are used repeatedly. The effectiveness of the product on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, AMGROW Pty Ltd accepts no liability for any losses that may result from the failure of the product to control resistant insects.

AMGROW PATROL PROFESSIONAL TERMITICIDE AND INSECTICIDE may be subject to specific resistance management strategies. For further information contact your local supplier, AMGROW Pty Ltd representative or local agricultural department agronomist.

**STORAGE, SPILLAGE AND DISPOSAL**

Store in closed original containers, in a cool, well ventilated area away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight. In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste as indicated below or according to the Australian Standard AS 2507 - Storage and Handling of Pesticides. Do NOT allow spilled product to enter sewers, drains, creeks or any other waterways. Tilt 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.

Do not bury waste or surplus product. Dispose of undiluted waste by either dilution and use according to the Directions for Use or returning to the point of purchase in the original container for controlled disposal. Dispose of diluted surplus product by using according to the Directions for Use. Do not re-use empty container.

**FIRST AID**

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

**MSDS**

For further information, refer to MSDS which is available from AMGROW Pty Ltd upon request.

**CONDITIONS OF SALE**

The use of Amgrow Patrol Professional Termiticide and Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by Amgrow Pty Ltd 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 Amgrow Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.