



Contrado™

Insecticide

ACTIVE CONSTITUENT: **200 g/L CHLORANTRANILIPROLE**

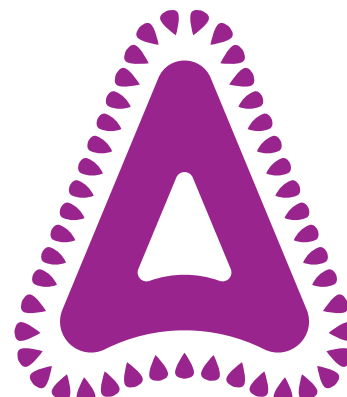
GROUP

28

INSECTICIDE

SITUATION: Turf

CONTROLS: African Black Beetle, Argentine Stem Weevil, Argentinian Scrab, Billbugs and Caterpillars.



ADAMA

Formulation type
Suspension
Concentrate

SC

adama.com

CONTENTS: 500 mL - 20 L

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply if heavy rains or storms are forecast within 3 days

DO NOT irrigate to the point of runoff for at least 3 days after application

DO NOT apply when the soil is saturated with water as adequate distribution of the active ingredient vertically in the soil profile cannot be achieved under this condition

DO NOT apply more than 2.8 L per hectare per year in broadcast applications to turfgrass

Spray Drift Restraints

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than Extremely Coarse spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application Rate	Mandatory downwind buffer zone
	Natural aquatic areas
Up to 1.5 L/ha	10 metres

ADAMA

SITUATION	PEST	RATE	CRITICAL COMMENTS
Applications should not be made when the soil is saturated with water because adequate distribution of the active ingredient vertically in the soil profile cannot be achieved under this condition. As is the case with any insecticide applied to turfgrass for beetle larvae control, optimal results will be achieved if the product is irrigated into the turf immediately after application.			
Golf courses, Lawns including commercial and residential lawn areas, Sports grounds, Other sport and recreational turfgrass areas	Beetle larvae including African Black Beetle (<i>Heteronychus arator</i>)	750 mL to 1.5 L/ha or 7.5 to 15 mL/ 100m ²	Apply before or at peak egg hatch for maximum control (typically mid- September). Apply the higher rate for early spring (mid-September) application where long residual protection is required, or in later season applications (mid December onwards) when less sensitive mid instar grubs are present at the time of application, or in cases of high pest pressure. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods.
	Argentinian Scarab (<i>Cyclocephala signaticollis</i>)		Apply before or at peak egg hatch for maximum control (typically mid- December). Use the higher application rates for later season applications when less sensitive mid instar grubs are present at the time of application or in cases of high pest pressure. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods.
	Argentine Stem Weevil larvae (<i>Listronotus bonariensis</i>), Billbug larvae (<i>Sphenophorus brunnipennis</i>)		Apply early spring (mid-September) applications when overwintered adults are first observed, to prevent damage and population build up. Early application is essential to prevent grass damage due to feeding. Use the higher application rates when extended residual performance is required or for later season applications (mid -December onwards) or in cases of high pest pressure.
	Caterpillars including Black Cutworm (<i>Agrotis ipsilon</i>), Lawn Armyworm (<i>Spodoptera mauritia</i>), Sod Webworm (<i>Herpetogramma licarsialis</i>)	750 mL/ha or 7.5 mL/ 100m ²	Apply when pest damage is observed for excellent curative control. To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after or application.

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

WITHHOLDING PERIODS

DO NOT GRAZE TREATED TURF/LAWN OR FEED TURF/LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK.

GENERAL INSTRUCTIONS

CONTRADO™ Insecticide is an anthranilic diamide insecticide in the form of a suspension concentrate. CONTRADO™ Insecticide delivers excellent preventative performance, with optimal results achieved with application early in the season (mid September) with the appearance of overwintering adult pests. The long residual performance of CONTRADO™ Insecticide will provide up to 6 months protection at the higher application rates. Curative control with CONTRADO™ Insecticide on pest outbreaks later in the season (mid December onwards) can be achieved using the higher recommended application rates.

MIXING

Prior to mixing, start with clean, well maintained application equipment.

Fill spray tank to ¼ to ½ full of water. Measure the amount of CONTRADO™ Insecticide required for the area to be sprayed. Add CONTRADO™ Insecticide directly to spray tank with the agitation engaged. Mix thoroughly to disperse the insecticide. Once dispersed, the material must be kept in suspension at all times by continuous agitation. Use mechanical or hydraulic means, DO NOT use air agitation, premix or slurry.

If spray solution is left standing, ensure thorough re-agitation of the spray mix until fully resuspended. DO NOT allow spray mix to sit overnight, as resuspension may be difficult.

COMPATIBILITY

As formulations of other manufacturer's products are beyond the control of ADAMA, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

APPLICATION

- Spray with at least 400 L of water/ha (or 4 L water per 100m²) to ensure even coverage.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Note that the amount of product specified in the Directions for Use is per hectare or 100m² of product. You will need to determine your spray rate per area before deciding on the amount of product to add to the tank.
- For optimal control, irrigate with approximately 6 mm of water immediately after application (except where treating for caterpillars, when irrigation and mowing should be delayed for 24 hours).

Spray Equipment Cleanout

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove. Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. DO NOT clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management CONTRADO™

GROUP	28	INSECTICIDE
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Insecticide is a Group 28 insecticide. Some naturally occurring insect biotypes resistant to CONTRADO™ Insecticide and other Group 28 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if CONTRADO™ Insecticide and other Group 28 insecticides are used repeatedly. The effectiveness of CONTRADO™ Insecticide 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 failure of CONTRADO™ Insecticide to control resistant insects. CONTRADO™ Insecticide may be subject to specific resistance management strategies. To help prevent the development of resistance to CONTRADO™ Insecticide use CONTRADO™ Insecticide in accordance with the current Insecticide Resistance Management (IRM) strategy for your region. For further information contact your supplier, Adama representative or local agricultural department agronomist.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used container. DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby non-target plants/crops, cropping lands or pastures.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple 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 deliver empty packaging to an approved waste management facility.

If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with Local, State or Territory government regulations. DO NOT burn empty containers or product.

FIRST AID

First aid is not generally required. If in doubt, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET

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

CONDITIONS OF SALE: The use of CONTRADO™ 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 purposes for which it is used by the buyer, whether in accordance with the Directions for Use or not. Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

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