



Durentis™  
TURF INSECTICIDE

powered by  
RYNAXYPYR®

## WARNING ECOTOXIC

### READ LABEL BEFORE MIXING AND APPLYING

#### ACTIVE INGREDIENT:

Contains 200 g/L chlorantraniliprole  
in the form of a suspension  
concentrate

#### CONTENTS:

1 L

GROUP **28** INSECTICIDE

**For the control of African Black Beetle, Argentine Stem Weevil and other insect pests in Turf as per the Directions for Use**

#### FIRST AID

If swallowed **DO NOT** induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if feeling unwell. If spilt on skin, remove contaminated clothing and wash affected areas of skin. **DO NOT SCRUB THE SKIN**. If concentrate is splashed in eyes, flush with running water for at least 15 minutes.

Approved pursuant to the HSNO Act 1996 Approval Code HSR007969  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.



Hazardous to the aquatic environment acute Category 1,  
Hazardous to the aquatic environment chronic Category 1.

**ECOTOXIC** - Very toxic to aquatic environment, with long-lasting effects. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. **DO NOT** apply into/onto water. Avoid contamination of any water supply with product or empty container.

**DO NOT** allow spray drift outside the target area. **DO NOT** release to the environment.

#### HANDLING PRECAUTIONS:

**DO NOT** handle until all safety precautions have been read and understood.

#### APPROVED HANDLER

The person mixing or applying Durentis™ Turf Insecticide must be a "Qualified Contractor" or a "Qualified Person". The spray mixture may also be prepared by a "Qualified Loader".

#### PERSONAL PROTECTION

Keep out of reach of children. Avoid breathing spray mist. **DO NOT** eat, drink or smoke while using

#### STORAGE

Store in original container, tightly closed and under lock and key. **DO NOT** store with Class 1 or 5 substances or feed, seeds or foodstuffs. Stores containing more than 100 L of this product require secondary containment, emergency response plan and are subject to signage. When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

#### DISPOSAL

Container disposal: Ensure container is empty. Triple rinse, and add rinsate to the spray tank. If recycling, replace cap and return clean containers through Agrecovery (0800 247 326). If not recycling, burn if circumstances, especially wind direction permit, otherwise bury in an approved landfill. **DO NOT** reuse container. Dispose of this product only by using according to this label. Always follow local Authority requirements.

#### SPILLAGE

Where appropriate wear protective clothing. Prevent liquid from entering sewers or bodies of water. Absorb spills in earth or sand and sweep up. Collect spillage. Dispose of waste material at an approved landfill.

## DIRECTIONS FOR USE

It is an offence to use this product on animals.

### RESTRAINTS

**THIS PRODUCT MUST NOT BE USED ON PLANTS THAT ARE INTENDED TO PRODUCE FOOD FOR CONSUMPTION BY HUMANS OR ANIMALS. THIS PRODUCT MUST NOT BE APPLIED TO AREAS THAT MAY BE GRAZED BY FOOD-PRODUCING ANIMALS**

**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.

**This product must be used no more than once per year, and at no greater than the rates listed below.**

SITUATION	PEST	RATE/HA	RATE /100m <sup>2</sup>	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.				
<b>Golf courses</b> <b>Lawns</b> including commercial and residential lawn areas  <b>Sports grounds</b>  <b>Other sport and recreational turfgrass areas</b>	African black beetle ( <i>Heteronychus arator</i> )	750 mL to 1.5 L	7.5 mL to 15 mL	Apply before or at peak egg hatch for maximum control (typically mid-September). Apply the higher rate for early season (mid-September) applications 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.
	Argentine stem weevil larvae ( <i>Listronotus bonariensis</i> )			Apply early season (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; Sod webworm ( <i>Herpetogramma licarsisalis</i> ), Greasy cutworm ( <i>Agrotis ipsilon</i> )	750 mL	7.5 mL	To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application.

### WITHHOLDING PERIODS

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

## SPRAY TIMING

### African black beetle

Durentis™ Turf Insecticide may be applied from spring onwards for preventative control of these species infesting turfgrass. 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

Durentis™ Turf Insecticide should be applied when overwintered adults are first observed in early spring (mid September) to prevent damage in late spring. An application at this time will also give excellent control of African Black Beetle.

### Caterpillars

Durentis™ Turf Insecticide will provide excellent curative Caterpillar control in turfgrass and should be applied when pests/damage is observed.

## GENERAL INSTRUCTIONS

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

## INSECTICIDE RESISTANCE WARNING

GROUP **28** INSECTICIDE

Some naturally occurring insect biotypes resistant to Durentis™ Turf Insecticide and similar Mode of action insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Durentis™ Turf Insecticide and other similar Mode of action insecticides are used repeatedly. The effectiveness of Durentis™ Turf Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use FMC accepts no liability for any losses that may result from the failure of Durentis™ Turf Insecticide to control resistant insects.

Durentis™ Turf Insecticide may be subject to specific resistance management strategies. To help prevent the development of resistance to Durentis™ Turf Insecticide use product in accordance with the current Insecticide Resistance Management (IRM) strategy for your region. For further information contact your farm chemical supplier, consultant, or local FMC Representative.

## 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 Durentis™ Turf Insecticide required for the area to be sprayed. Add Durentis™ Turf Insecticide directly to the 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.

## APPLICATION

Apply using clean, well maintained and accurately calibrated ground-based spray equipment (only). Set the boom low and use coarser nozzles and low pressures to avoid spray drift.

The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in the substance leaching into ground water.

Due to the persistent nature of chlorantraniliprole in soil, this product is expected to accumulate over successive seasons following repeated use.

- Apply extremely coarse droplets.
- Spray with at least 400 L of water/ha 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 table is per hectare of product. You will need to determine your spray rate per hectare 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).

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour at the application site.

**DO NOT** apply when there are aquatic and wetland areas including aquacultural ponds or surface streams and rivers downwind from the application area and within the mandatory no-spray zone of 10 metres.

## SAFETY DATA SHEET

If additional hazard or safety information is required, refer to the Safety Data Sheet, available at [www.fmccrop.nz](http://www.fmccrop.nz)

## COMPATIBILITY

Durentis™ Turf Insecticide is compatible with other commonly used fungicides (such as mancozeb), insecticides and foliar fertilisers (such as calcium chloride, calcium nitrate). Due to differences in formulations from various manufacturers, it is recommended that prior to using the product, users test the physical compatibility of the products by premix in a jar small quantity of the desired tank mix and observe if adverse reactions occur (e.g. settling out, flocculation etc).

## SPRAY EQUIPMENT CLEANOUT

Immediately following application, thoroughly clean all spray equipment to reduce the risk of hardened deposits forming 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.

## RECORD KEEPING

Records of use, as described in NZS 8409 - Management of Agrichemicals must be kept.

## NOTICE TO BUYER

FMC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of FMC. To the extent permitted at law FMC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.

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