

# CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# Estate<sup>®</sup>

Herbicide

syngenta<sup>®</sup>

**ACTIVE CONSTITUENT: 300 g/L MCPA present as the POTASSIUM SALT**  
**20 g/L CLOPYRALID present as the POTASSIUM SALT**  
**15 g/L DIFLUFENICAN**

**GROUP 4 | 12 HERBICIDE**

For the control of certain broadleaf weeds in turf as specified in the Directions for Use table

## 250 mL - 20 L

*Syngenta Australia Pty Ltd*

*Level 1, 2 Lyonpark Road, Macquarie Park NSW 2113*

*In a transport emergency dial 000, Police or Fire Brigade*

*For specialist advice in an emergency only, call 1800 033 111 (24 hours)*

**APVMA Approval No: 95166/144840**

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## DIRECTIONS FOR USE

### Restraints

DO NOT apply if weeds or turf are under stress or when frosts are imminent.

DO NOT use if rain is expected within 4 hours.

DO NOT use clippings as mulch around other plants or for composting.

DO NOT use on bent grass or winter grass golf and bowling greens.

### Spray Drift Restraints

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

Situation	Weeds Controlled	Rate	Critical Comments
Turf	Broadleaf weeds including: White Clover ( <i>Trifolium repens</i> ), Plantain ( <i>Plantago lanceolata</i> ), Capeweed ( <i>Arctotheca calendula</i> ), Cat's Ear ( <i>Hypochoeris radicata</i> ), Bin-dii (Jo-Jo, Onehunga) ( <i>Soliva sessilis</i> ), Cudweed ( <i>Gnaphalium</i> spp.) Creeping Oxalis ( <i>Oxalis corniculata</i> )	5 L in 200-500 L water/ha	Apply to actively growing weeds. Transient discolouration may occur on kikuyu and carpet grass and Queensland blue couch. Varietal differences in certain buffalo grasses (eg. ST85) may produce more pronounced effects and it is recommended that small areas be tested for turf safety before large-scale application occurs. Avoid exceeding application rates through overlapping sprayed areas. Use a surfactant for difficult to wet weeds.

**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 OR FEED TURF CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK**

### GENERAL INSTRUCTIONS

For best results the turf and weeds should be actively growing at the time of treatment.

Complete weed death may take up to 6 weeks. Faster results can be expected on smaller weeds. Due to residual effects on diflufenican, overseeding treated areas within 3 months of application may inhibit establishment of the turf grass.

### MIXING

Shake original container before use. Continuously agitate the diluted product to ensure thorough mixing before and during application.

Only mix sufficient chemical for each day's work.

Surfactants (if used) should be added after Estate® Herbicide and water are mixed when spray-tank is almost full.

## MOWING

Avoid mowing during the 3 to 4 days preceding or following treatment.

## CLEANING SPRAY EQUIPMENT

THOROUGHLY CLEAN ALL APPLICATION EQUIPMENT AFTER USE.

Rinse water should be discharged onto a designated area or if unavailable onto unused land away from desirable plants and water courses.

**Partial Cleaning** (before spraying tolerant turf): After using Estate® Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank with a pressure hose. Quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.

**Complete Cleaning** (before spraying susceptible plants): After using Estate® Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank with a pressure hose. Quarter fill the tank with clean water and circulate through the pump, line hoses and nozzles, then drain. Quarter fill the tank again and add an alkaline detergent at 500 mL/100 L water and circulate through the system for at least 15 minutes. Drain, remove filters and nozzles and clean separately. Rinse inside the tank thoroughly using a pressure hose and flush system with clean water.

## COMPATIBILITY

No information is available that indicates physical compatibility with other products therefore, tank-mixing other products with Estate® Herbicide is not recommended. As formulations of other manufacturer's products are beyond the control of Syngenta Australia Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

## RESISTANT WEEDS WARNING

GROUP	4	12	HERBICIDE
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Estate® Herbicide is a member of the nicotinamide, phenoxy and pyridine groups of herbicides. Estate® Herbicide has the inhibitors of carotenoid biosynthesis and disruptor of cell growth modes of action. For weed resistance management Estate® Herbicide is a Group 4 and 12 herbicide. Some naturally occurring weed biotypes resistant to Estate® Herbicide and other Group 4 and 12 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Estate® Herbicide or other Group 4 or 12 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from the failure of Estate® Herbicide to control resistant weeds.

## PRECAUTIONS

### Precaution:

Manual Handling of turf: Hand-weeding and transplanting should not be performed before 2 weeks after spray application, unless workers wear overalls (or equipment clothing) and chemical resistant gloves.

### Re-entry Statement:

DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equipment clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. Spray drift from Estate® Herbicide application may cause injury to herbaceous plants, vegetables, fruit crops, vines, ornamental and trees.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish and other aquatic life. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of 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 relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

## SAFETY DIRECTIONS

**Harmful if swallowed. Will damage the eyes. Will irritate skin. Avoid contact with eyes and skin. If product in eyes, wash it out immediately with water. Wash hands after use. When opening the container, preparing the spray and using the prepared spray wear:**

- cotton overalls buttoned to the neck and wrist,
- washable hat,
- elbow-length PVC gloves and
- goggles.

**After each day's use, wash gloves, goggles and contaminated clothing.**

## FIRST AID

**If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126.**

## SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a visit our website at [www.syngentaturf.com.au](http://www.syngentaturf.com.au) or [www.syngenta.com.au](http://www.syngenta.com.au) or use the QR code on this label.

## DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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