

SACHET LABEL

# CAUTION

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



## Destiny<sup>®</sup>

### Selective Turf Herbicide

**ACTIVE CONSTITUENT: 100 g/kg IODOSULFURON-METHYL-SODIUM**

**50 g  
NET**

For the post-emergent control of certain broadleaf weeds and grasses in turf as per the DIRECTIONS FOR USE table  
**Before using product read directions on outer pack.  
Sale of this sachet except in outer pack is illegal.**

**REAR OF SACHET:**

**STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Dispose of at 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**

Will irritate eyes. Avoid contact with eyes. If product in eyes wash it out immediately with water. Wash hands after use. When opening the container and preparing spray wear elbow length PVC gloves and goggles. After each days use wash gloves and goggles.

**FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre (telephone 13 11 26).



**Bayer Environmental Science**  
A Business Group of Bayer CropScience  
Bayer Environmental Science  
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APVMA Approval Number:56801/50g/0205

MAIN PANEL – OUTER BOX CONTAINING SACHETS

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# CAUTION

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



# Destiny<sup>®</sup>

## Selective Turf Herbicide

ACTIVE CONSTITUENT: 100 g/kg IODOSULFURON-METHYL-SODIUM

**GROUP B HERBICIDE**

**250 g  
NET**

For the post-emergent control of certain broadleaf weeds and grasses in turf  
as per the DIRECTIONS FOR USE

Contains 5 x 50 g measure packs which must not be sold separately.  
Do not destroy box while product still remains.

(label code)

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SIDE PANEL – OUTER BOX CONTAINING SACHETS

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**STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. 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**

Will irritate eyes. Avoid contact with eyes. If product in eyes wash it out immediately with water. Wash hands after use. When opening the container and preparing spray wear elbow length PVC gloves and goggles. After each days use wash gloves and goggles.

**FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre (telephone 13 11 26).

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet

**Exclusion of Liability**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

APVMA Approval No.: 56801/250g/0205

Destiny<sup>®</sup> is a Registered Trademark of Bayer.

SIDE PANEL OF BOX

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FOR 24 HOUR SPECIALIST  
ADVICE  
IN EMERGENCY ONLY  
PHONE 1800 033 111



**Bayer Environmental Science**  
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Website: [www.bayercropscience.com.au](http://www.bayercropscience.com.au)

Batch Number:  
Date of Manufacture:

(label code)

Rear panel on cardboard box

**DIRECTIONS FOR USE:**

**Restrictions:**

- DO NOT apply by air or through any type of irrigation equipment
- DO NOT apply to turf which is under stress or which is not yet established
- DO NOT make more than one application of a Group B herbicide in a season
- DO NOT USE if rain is expected within 4 hours.
- DO NOT USE on golf and bowling greens
- DO NOT USE where wintergrass (*Poa annua*) is a desirable species.

Situation	Weeds Controlled	Rate	Critical Comments
Turf Only apply to kikuyu, buffalo grass or couchgrass (common and hybrid couchgrass NOT Queensland Blue Couch)	False onion weed/ Fragrant false garlic/ onion weed <i>(Nothoscordum gracile, fragrans or borbonicum)</i>	25 g/ha (1 sachet per 2 ha)	Apply to actively growing weeds and not to weeds under stress. Always apply with a non-ionic surfactant or Hasten® at the recommended rate on the surfactant product label. Use a water rate of 200-500L/ha  Avoid exceeding application rates through overlapping sprayed areas. Safety screening may not have been conducted on all new buffalo grass varieties and it is therefore recommended that small areas be tested for turf safety before large-scale application occurs.
	White Clover <i>(Trifolium repens)</i>	75 g/ha (3 sachets per 2 ha)	
	Ryegrass <i>(Lolium perenne)</i>	150 g/ha	
	Guildford Grass (Onion Grass) <i>(Romulea rosea)</i>	100 g/ha	
	Bin-dii (Jo-jo, Onehunga) <i>(Soliva sessilis)</i>		

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

**DO NOT GRAZE TREATED TURF OR FEED TURF CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK  
DO NOT USE CLIPPINGS FROM TREATED AREAS FOR MULCH AROUND VEGETABLES OR FRUIT TREES**

**GENERAL INSTRUCTIONS**

Destiny is a selective sulfonylurea herbicide. It is predominantly a foliar herbicide with less activity via the soil. Destiny will not reliably control weeds that emerge after spraying. Results are best under good growing conditions and application to weeds or turf under stress should be avoided.

**Mixing**

Ensure that the spray tank is completely clean prior to mixing. Half fill the spray tank with water, then with agitators in motion, add the correct amount of Destiny directly into the spray tank. Then add wetting agent or crop oil as recommended. Complete filling the tank with agitators in motion. Agitation must continue before and during spraying.

If pH of water carrier is less than 5.5 use a buffer solution to raise pH to meet 7.0. DO NOT mix Destiny with acid forming compounds in the spray vat.

Do not leave spray mix standing in the vat overnight.

**Application**

Ensure spraying equipment is properly calibrated before use.

Ensure that complete and even spray coverage of all weeds is achieved. Do not overlap sprayed areas.

Apply with the boom no higher than 50 cm above the turf with flat fan nozzles and a droplet size of 200 – 300 microns.

## Rear panel on cardboard box (Contd)

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### Spray Drift Minimisation

This product is capable of producing significant injury in non-target susceptible plants - DO NOT allow spray to drift onto adjacent areas which contain desirable plants.

Where possible avoid application under conditions which favour spray drift (eg. high temperatures and low humidity, high winds and if a temperature inversion exists).

Use extreme caution when conditions do favour drift; observe the following to minimise chances of damage to non-target plants from spray drift:

- Ensure use through flat-fan nozzles that produce a medium - coarse droplet size (200 – 300 microns – as indicated above).
- Apply as close to the surface of the target turf as practical whilst still maintaining good spray pattern and coverage without overlap.
- DO NOT apply unless there is a 40 m downwind buffer distance between the treated area and sensitive non-target native vegetation.

### Turf Safety

Application to very dry sandy soils followed by soaking rainfall may cause turf damage. Turf damage may also be increased in highly alkaline soils (soil pH >8.5 as determined by soil in water suspension).

Avoid application on turf which is not yet established or which is under stress from environmental conditions. Allow at least six weeks between the last application and overseeding with cool season grasses for winter cover.

### Sprayer Clean Up

The sprayer must be thoroughly decontaminated before being used again to spray susceptible plants or turf. Ensure that the following operation is carried out in an area that is clear of waterways, desirable vegetation and tree roots, and preferably in an area where drainings can be contained.

1. Drain sprayer completely and wash out tank, boom and hoses with clean water.
2. Drain again.
3. Fill the tank with clean water and add 300 mL of chlorine bleach (containing 4% chlorine) per 100 L of water with agitation running.
4. Flush some bleach solution through booms and hoses and allow remainder to agitate in tank for 10 minutes.
5. Remove nozzles and filters and leave to soak in a bleach solution of 500 mL per 10 L of water while tank cleaning is in progress.
6. Briefly run the pump at periodic intervals to refresh chlorine solution in spray lines.
7. Drain tank and repeat the procedure of flushing with bleach solution.
8. Flush the tank, boom and hoses with clean water.

### Resistant Weeds Warning

<b>GROUP</b>	<b>B</b>	<b>HERBICIDE</b>
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Destiny Selective Turf Herbicide is a member of the sulfonylurea group of herbicides and has the inhibitor of ALS mode of action. For weed resistance management Destiny is a Group **B** herbicide. Some naturally-occurring weed biotypes resistant to Destiny, and other Group **B** herbicides, may exist through normal genetic variability in any weed population. These resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Destiny or other Group **B** herbicides.

Do not rely exclusively on Destiny for weed control. Use as part of an integrated weed management program involving herbicides with other modes of action and non-chemical methods of control. Avcare resistance management strategies are available from your local agricultural chemical supplier. Refer to these strategies for details of how to manage the build up of resistant weeds on your farm.

Since occurrence of resistant weeds is difficult to detect prior to use Bayer CropScience Pty. Ltd. accepts no liability for any losses that may result from the failure of Destiny to control resistant weeds.

Rear panel on cardboard box (Contd)

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**Mowing:**

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

**Compatibility**

No information is available that indicates physical compatibility with other products. Tank-mixing other products with Destiny cannot therefore be recommended. As formulations of other manufacturers' products are beyond the control of Bayer, all mixtures should be tested prior to mixing commercial quantities.

Note that organophosphate insecticides should not be tank-mixed or applied within 7 days prior or 3 days after application as there may be increased potential for turf injury.

**Re-entry Period**

DO NOT allow entry into treated areas until the spray has dried unless wearing cotton overalls (or equivalent clothing), chemical resistant gloves and footwear. Clothing must be laundered after each days use.

**PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.

Keep people and pets off treated areas until spray deposits have dried. DO NOT contaminate streams, rivers or waterways with this product or used containers. DO NOT apply if heavy rain is forecast.

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

Very toxic to aquatic plants and certain algae. 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.

DO NOT replant any crop or ornamental to treated areas other than the turfgrass listed in the directions for use for a period of 12 months after application.

DO NOT use clippings from treated areas for mulch around vegetables or fruit trees.

DO NOT apply unless there is a 40 m downwind buffer distance between the treated area and sensitive non-target native vegetation