

Relevant label particulars

26 October 2012



Signal heading	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name	DESTINY SELECTIVE TURF HERBICIDE
Active constituent statement	100 g/kg IODOSULFURON-METHYL-SODIUM
Mode of Action identification symbol	Group B Herbicide
Statement of claims for use	For the post-emergent control of certain broadleaf weeds and grasses in turf and for the suppression of Winter grass and Bahia grass as per the Directions for Use.
Net contents	250 g
Measure Pack statement	Contains 5 x 50 g measure packs which must not be sold separately. DO NOT destroy box while product still remains.
Name and address of Registrant	Bayer CropScience Pty Ltd ABN 87 000 226 022 391-393 Tooronga Rd East Hawthorn, Vic. 3123 Phone: (03) 92486888 Technical Enquiries: 1800 804 479
Directions for Use	
Restraints	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 use if rain is expected within 4 hours. DO NOT use on golf or bowling greens. DO NOT make more than one application of a group B herbicide in a season except for Bahia grass - refer to Directions for Use table for Bahia grass.
Spray drift restraints	DO NOT allow spray to drift onto adjacent areas which contain desirable plants. DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline. DO NOT apply when wind speed is less than 3 or more than 20 km per hour as measured at the application site. DO NOT apply during surface temperature inversion conditions at the application site. Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application and KEEP this record for a minimum of 2 years. The spray application details that must be recorded are: 1 date with start and finish times of application; 2 location address and paddock/s sprayed; 3 full name of this product; 4 amount of product used per hectare and number of hectares applied to; 5

	crop/situation and weed/pest; 6 wind speed and direction during application; 7 air temperature and relative humidity during application; 8 nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; 9 name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)
Mandatory No Spray Zone	DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat within 40 metres downwind from the application area.
Directions for Use	Refer to Directions for Use Table, attached.
"Not to be used....." statement;	NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION
Other limitations and prohibitions	N/A
Withholding periods	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.
Trade advice including Export Slaughter Intervals (ESIs).	N/A
General instructions	<p>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.</p> <p><u>Mixing</u> 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.</p> <p>DO NOT leave spray mix standing in the vat overnight.</p> <p><u>Application</u> 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 medium droplet size.</p> <p>Turf Safety Application to very dry sandy soils followed by soaking rainfall may cause turf damage. Turf damage may also be increased in</p>

	<p>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.</p> <p>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.</p> <ol style="list-style-type: none"> 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.
Resistance warning statements	<p>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.</p> <p>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. CropLife Australia 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 in your turf.</p> <p>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.</p>

Precaution statements	Mowing Avoid mowing during the 3 to 4 days preceding or following treatment.
Re-entry period	DO NOT allow entry into treated areas until the spray has dried.
Protection statements	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 turf grass listed in the directions for use for a period of 12 months after application.
	PROTECTION OF LIVESTOCK DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.
	PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT 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.
Storage and disposal instructions	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 the eyes. Avoid contact with eyes. When opening the container and preparing spray wear elbow length PVC gloves and goggles. If product in eyes wash it out immediately with water. Wash hands after use. After each days use wash gloves and goggles.
First Aid Instructions	If poisoning occurs contact a doctor or Poisons Information Centre (telephone 13 11 26)
Approval number	56801 / 56696
Measure pack statement	Before using product read directions on outer pack. Sale of this sachet except in outer pack is illegal.

Directions for Use Table

Situation	Weed	Rate	Critical Comments
Turf. Only apply to kikuyu, buffalo grass or couchgrass (common and hybrid couchgrass NOT Queensland Blue Couch)	Weeds suppressed		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. For suppressed weed species, better efficacy can be expected against younger weed plants. Less than 50% control can be expected where more mature plants are established.
	Winter grass (<i>Poa annua</i>)	150 g / ha	
	Weeds controlled		
	Ryegrass (<i>Lolium perenne</i>)	150 g / ha	
	Bindii (<i>Soliva sessilis</i>), Black thistle (<i>Cirsium vulgare</i>) Cat's ear (<i>Hypochoeris radicata</i>), Cotula (<i>Cotula australis</i>), Cudweed (<i>Gnaphalium</i> sp.), Guildford Grass (Onion Grass) (<i>Romulea rosea</i>), Medic (<i>Medicago</i> spp.), Mouse ear chickweed (<i>Cerastium vulgatum</i>), Oxalis (<i>Oxalis corniculata</i>) White Clover (<i>Trifolium repens</i>)	100 g / ha	
	False onion weed/ fragrant false garlic/ onion weed (<i>Nothoscordum gracile</i> , <i>fragrans</i> or <i>borbonicum</i>)	25 g / ha (1 sachet per 2 ha)	
Turf. Only apply to kikuyu, buffalo grass or couchgrass (common and hybrid couchgrass NOT Queensland Blue Couch)	Bahia Grass (<i>Paspalum notatum</i>) suppression and seed head reduction	50 g / ha	Apply during summer when turf is actively growing and Bahia grass produces seed heads. Always apply with a non-ionic surfactant or Hasten® at the recommended rate on the surfactant product label. Apply as soon as seed heads start to form or when it becomes a regular mowing intervention issue. Apply 2-3 times at 4-week intervals after mowing. DO NOT apply more than two consecutive applications per season.