

# POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# Specticle®

## HERBICIDE

ACTIVE CONSTITUENT 200 g/L INDAZIFLAM

GROUP **O** HERBICIDE

For pre-emergent control of various weeds in turf and for maintenance of bare ground in various situations as per the Directions for Use.

**1 L**

## **DIRECTIONS FOR USE**

### **RESTRAINTS**

DO NOT apply to turf under stress.

DO NOT apply by aircraft.

DO NOT apply with a nozzle height greater than 50cm above the ground.

DO NOT apply through any type of irrigation equipment.

DO NOT apply if heavy rain or storms that are likely to cause run-off are forecast within 48 hours (golf courses) or 3 days (other areas).

DO NOT apply to waterlogged soil.

DO NOT irrigate turf to the point of run-off within 48 hours (golf courses) or 3 days (other areas) of application.

### **SPRAY DRIFT RESTRAINTS**

**DO NOT** apply with spray droplets smaller than a **COARSE** spray droplet size category according to “APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories” located under this title in the GENERAL INSTRUCTIONS section of this label.

**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 paddocks/areas sprayed;
3. full name of this product;
4. amount of product used per hectare and number of hectares treated;
5. crop/situation and weed;
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 ZONES**

DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat within 25 metres (golf courses) or 30 metres (other turf areas) or 40 metres (other areas) downwind from the application area.

DO NOT apply if there are aquatic or wetland areas including aquacultural ponds, surface streams and rivers within 5 metres (golf courses) or 10 metres (other areas) downwind from the application area.

## DIRECTIONS FOR USE

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<p>TURF</p> <p>Warm season turf grasses only, including:</p> <p>Bahia grass (<i>Paspalum notatum</i>);</p> <p>Buffalo grass (<i>Stenotaphrum secundatum</i>);</p> <p>Common couch (<i>Cynodon dactylon</i>) and Hybrid couches;</p> <p>Queensland Blue Couch (<i>Digitaria didactyla</i>);</p> <p>Zoysia (<i>Zoysia</i> spp.);</p> <p>Kikuyu (<i>Pennisetum clandestinum</i>) (See note)</p>	<p>Summer grass or Crab grass (<i>Digitaria</i> spp.)</p> <p>Crowsfoot grass (<i>Eleusine indica</i>)</p> <p>Winter grass (<i>Poa annua</i>)</p> <p>Bindii (<i>Soliva sessilis</i>)</p> <p>White clover (<i>Trifolium repens</i>)</p> <p>Brome grass (<i>Bromus</i> spp.)</p> <p>Plantain (<i>Plantago</i> spp.)</p> <p>Chickweed (<i>Stellaria</i> spp.)</p> <p>Capeweed (<i>Arctotheca calendula</i>)</p>	<p>250 mL/ha</p> <p>Apply in 200-500 L water per ha</p>	<p>Turf should be in robust and healthy condition at the time of treatment. Apply prior to germination of the weeds. Ensure adequate coverage for optimum weed control.</p> <p>A repeat application may be required after not less than three months. Do not apply more than two applications per annum.</p> <p>Refer to the Application section in the General Instructions for detailed information.</p> <p><u>Note:</u> Specticle may cause injury to kikuyu if application is made at times other than in the spring.</p>
		<p>125 mL/ha applied twice as a split application at a 4- to 6-week spray interval</p> <p>Apply in 200-500 L water per ha</p>	<p><b>Split application program</b></p> <p>This program is recommended on turf grown in coarse and sandy soils where turf tolerance may be reduced. Low rate split applications may reduce the risk of phytotoxicity on these soils.</p> <p>Turf should be in robust and healthy condition at the time of treatment. Apply prior to germination of the weeds. Ensure adequate coverage for optimum weed control.</p> <p>A repeat split application program may be required after not less than three months. Do not apply more than two split application programs per annum.</p> <p>Refer to the Application section in the General Instructions for detailed information.</p> <p><u>Note:</u> Specticle may cause injury to kikuyu if application is made at times other than in the spring.</p>

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<p>Commercial and public service landscaped and hardscaped areas for maintenance of bare ground e.g. storage yards, fence lines, parking lots, paths e.g. non-paved paths, cart paths driveways; walkways, gravel, rocky or sandy areas; ornamental plant production facilities</p>	<p>Annual ryegrass (<i>Lolium rigidum</i>); Asthma weed (<i>Euphorbia hyssopifolia</i>, <i>Euphorbia hirta</i>); Billy goat weed (<i>Ageratum houstonianum</i>); Burr medic (<i>Medicago polymorpha</i>); Canadian fleabane (<i>Conyza canadensis</i>); Capeweed (<i>Arctotheca calendula</i>); Catsear, Dandelion, Flatweed (<i>Hypochaeris radicata</i>); Chickweed (<i>Stellaria media</i>); Clover (<i>Trifolium</i> sp.); Cobbler's pegs (<i>Bidens pilosa</i>); Crabgrass (<i>Digitaria ciliaris</i>); Crowsfoot grass (<i>Eleusine indica</i>); Jersey Cudweed (<i>Helichrysum luteoalbum</i>); Knobby club rush (<i>Ficinia nodosa</i>); Pale pigeon grass (<i>Setaria pumila</i>); Panic veldt grass (<i>Ehrharta erecta</i>); Paterson's curse (<i>Echium plantagineum</i>); Scotch thistle (<i>Onopordum acanthium</i>); Silvergrass (<i>Vulpia bromoides</i>); Silvery hair grass (<i>Aira cupaniana</i>); Soft brome (<i>Bromus molis</i>); Sow thistle, Milk thistle (<i>Sonchus oleraceus</i>); Spear thistle (<i>Cirsium vulgare</i>); Summer grass (<i>Digitaria sanguinalis</i>); Sweet vernal grass (<i>Anthoxanthum odoratum</i>); Tall sedge (<i>Carex appressa</i>); Thickhead (<i>Crassocephalum crepidioides</i>); Toadrush (<i>Juncus bufonius</i>); Wild oats (<i>Avena sativa</i>); Windmill grass (<i>Chloris truncate</i>); Winter grass (<i>Poa annua</i>); Yorkshire fog, fog grass (<i>Holcus lanatus</i>)</p>	<p>375 mL/ha or 7.5 mL/10 L</p>	<p>Apply this product prior to weed seed germination. Do not exceed 750 mL/ha (150 g a.i./ha) in a 12-month period after the previous application. Do not re-apply within six months of the first application.</p> <p>For control of emerged weeds, use this product in combination with a contact herbicide. Refer to the General Instructions.</p> <p>Application to hard surfaces such as paved parking lots and walkways should be made by spot application only.</p> <p>Refer to the Application section in the General Instructions for detailed information.</p>

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

## **GENERAL INSTRUCTIONS**

SPECTICLE is a selective, pre-emergent herbicide that provides residual control of certain grass weeds on established warm-season turf which includes use on golf course fairways and roughs, turf (sod) farms, sports fields, race tracks, parklands and commercial and residential lawns and for maintenance of bare ground in landscaped and hardscaped areas. Specticle controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB inhibitor). Specticle needs to be activated prior to weed germination for most effective control. For maximum activity against germinating weeds, Specticle requires rainfall or irrigation prior to weed germination.

## **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 Specticle directly into the spray tank. Complete filling the tank with agitators in motion. Agitation must continue before and during spraying.

## **APPLICATION**

Ensure spraying equipment is properly calibrated before use. Uniform application is essential for satisfactory weed control. Ensure that complete and even spray coverage is achieved. DO NOT overlap sprayed areas.

## **APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories**

Important Information: These instructions inform users of this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application. Spray droplet size categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both to identify droplet size categories, but for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

**Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.**

**USE ONLY** nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category as referenced to ASAE S572 or BCPC. Choose a nozzle specified to provide the droplet size category required in the label Spray Drift Restraints.

**DO NOT** use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.

## **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.

**USE OF SPECTICLE ON TURF IN COARSE AND SANDY SOILS:** Soil conditions can affect the tolerance of turf to Specticle. Coarse or sandy soils may allow for downward movement of Specticle into the root zone and cause significant damage and phytotoxicity. Prior to application of Specticle in coarse or sandy soils, confirm texture with a soil test. Turf grown in soil exceeding 80% sand or 20% gravel may be at risk. Low rate multiple applications of Specticle may reduce the risk on these soils. Refer to use rate for the 'Split Application Program' in the Directions for Use. If Specticle is to be applied on these soils, evaluate treated soils for tolerance prior to large scale application.

**IRRIGATION AND WATERING AFTER APPLICATION:** Specticle will provide residual weed control when adequate moisture is present and the application is followed by rain or irrigation (3 to 6 mm) within 21 days and prior to weed seed germination. DO NOT create conditions that cause visible run-off of irrigation water. Adequate rainfall following an application will negate the need for irrigation.

**APPLICATION NEAR SENSITIVE GRASSES:** Specticle can cause turf injury and stand reduction to sensitive grasses. Specticle may affect sensitive grasses downslope from treated areas after excessive rainfall. To minimize off-target effects of Specticle on sensitive grasses, irrigate after application as directed in the IRRIGATION AND WATERING AFTER APPLICATION section of this label and observe the MANDATORY No-Spray zones. Allow turf to dry before allowing foot traffic or equipment through treated areas near sensitive grasses. DO NOT apply Specticle on uphill slopes and adjacent to greens overseeded with cool season grasses. DO NOT apply Specticle to annual and perennial ryegrass or to couchgrass overseeded with ryegrass. Specticle may be applied in situations where warm season grasses such as couchgrass are adjacent to sensitive cool season grasses. The applicator, however, must take care not to apply Specticle directly to sensitive grasses or injury may occur. Application of Specticle may be made adjacent to sensitive cool season grasses if the grass is established for at least 16 months.

**DEACTIVATING SPECTICLE:** Activated charcoal has been shown to deactivate Specticle if applied within several days of application. Application of activated charcoal within 2 weeks of an application of Specticle will not reverse phytotoxic symptoms immediately but it will aid in recovery over time. If it should be necessary to re-sod areas treated with Specticle, remove damaged turf to a depth of at least 5 cm, cultivate the soil and apply activated charcoal to bare ground prior to laying sod. Follow directions for the amount of charcoal to apply on the label of the activated charcoal.

**SEEDING, RE-SEEDING AND OVERSEEDING:** Timing of seeding, re-seeding, overseeding, sprigging and sodding turf relative to an application of Specticle needs to be monitored carefully. Specticle can inhibit root development as well as the emergence of seed. Roots of newly emerged seedlings may be damaged and establishment of sod may be affected if Specticle is applied to turf that is not well established.

**APPLICATION OF SPECTICLE PRIOR TO OVERSEEDING COUCHGRASS WITH PERENNIAL RYEGRASS OR RESEEDING INTO WARM-SEASON TURF:** Specticle may be used to control weeds in couchgrass prior to overseeding with a cool season grass or re-seeding seeded cultivars of couchgrass, provided that the interval between application and seeding is appropriate. The minimum interval between application of Specticle and seeding or overseeding is 12 months. Applications made sooner than the minimum interval may decrease the establishment of the new seedlings and reduce turf coverage.

**WARM-SEASON GRASSES ESTABLISHED WITH SPRIGS:** Specticle may be applied to sprigs of warm season grasses. The sprigs need to be well rooted prior to application. Apply Specticle no sooner than 16 months after sprigging to allow for good stand establishment. Prior to application, check rooting to make sure new roots are developing. If roots are not growing, delay application of Specticle.

**SODDING WARM SEASON GRASSES:** Delay sodding into bare ground or turf treated with Specticle until 6 months after application. Sodding before 6 months may inhibit stand establishment and reduce turf quality. For maximum establishment of sod, follow the directions for use for deactivation of Specticle using activated charcoal. Sod needs to be actively growing / established at least 3 months prior to an application of Specticle. Prior to application, check the turfgrass sod to make sure new roots are developing. If roots are not growing, delay application of Specticle.

#### **LANDSCAPED AND HARDSCAPED AREAS FOR MAINTENANCE OF BARE GROUND**

Specticle provides residual pre-emergent control of many grass and broadleaf weeds in commercial and public service areas where bare ground and general weed control is desired. Such areas include storage yards, fence lines, parking lots, paths, driveways, walkways, gravel, rocky or sandy areas and in outdoor production nurseries for bare ground and general weed control beneath benches and potted plants. For use in nurseries, make applications during clean up, sanitation and preparation prior to plant production. DO NOT apply Specticle to ornamentals, fruit or nut trees or any food-producing plants grown in ground or in pots. Do not treat soil where food producing plants in pots or in ground will be placed. Do not use Specticle within the dripline of bearing fruit and nut trees. Do not allow spray to contact plant foliage. Specticle may cause localized injury to the foliage, especially young leaf tissue. If the spray should contact the foliage, remove affected foliage or wash off immediately. For outdoor applications, containers can be moved onto the treated ground bed areas after irrigation or rainfall and once the treated surface has dried. DO NOT use in poorly ventilated green houses or shade houses.

#### **COMPATIBILITY**

As formulations of other manufacturers' products are beyond the control of Bayer and water quality varies with location, any mixture should be tested prior to mixing commercial quantities. Fill a clear container three-quarters full with water. Add the appropriate amount of Specticle and the tank mix partner. Shake or gently stir after each addition to mix thoroughly. Let the mixture stand for 15



minutes and look for separation, large flakes, precipitates, gels and heavy oily film or other signs of incompatibility. If the compatibility test shows signs of incompatibility, do not tank mix the product tested with Specticle. Read the label of the other product before mixing or using the tank mix. Follow all use restrictions on this label and for all tank mix partners and use the most restrictive use pattern for the labels of all products in a tank mixture.

If using this product in a tank mix with another herbicide, add the appropriate amounts of the tank mix partner(s) in the following order: a) products in water-soluble packaging, b) wettable powders (WP), c) water-dispersible granules (WG), d) fertilizers, e) Specticle, f) other aqueous suspension products (SC), g) other SC formulations, h) emulsifiable concentrates (EC) and other organic-solvent-based formulations. Do not mix concentrates together but add each one separately to the spray tank. Do not store mix overnight. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bayer CropScience Pty Ltd cannot be responsible for the behaviour of such mixtures.

### **INTEGRATED PEST MANAGEMENT**

The possible effects of this product on integrated pest management (IPM) strategies in the turf industry have not been studied at the proposed rates.

### **HERBICIDE RESISTANCE WARNING**

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SPECTICLE Herbicide is a member of the O group of herbicides (alkylazines) and has the inhibitor of cell wall [cellulose] synthesis mode of action. For weed resistance management SPECTICLE is a Group O herbicide. Some naturally-occurring weed biotypes resistant to SPECTICLE, and other Group O 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 SPECTICLE or other Group O herbicides. DO NOT rely exclusively on SPECTICLE 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. 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 SPECTICLE to control resistant weeds.

### **PRECAUTIONS**

DO NOT use on golf greens, tees or collars, tennis courts, bowling greens or cricket pitches.

DO NOT use on turf:

- exhibiting injury from previous applications of other products;
- stressed under cool or cold growing season conditions;
- which is newly seeded, sodded or sprigged;
- which is not well established (turf is defined as established at least 16 months after seeding or sprigging);
- recovering from wear, scarification, aeration or coring.

DO NOT use on ornamental plants or trees or any food-producing plants.

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

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

To reduce runoff, avoid application to areas with moderate to steep slopes. Runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

## **PROTECTION OF LIVESTOCK**

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

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

## **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 relevant local, state or territory government regulations. Do not burn empty containers or product. DO NOT re-use empty container for any other purpose.

## **SAFETY DIRECTIONS**

May irritate the eyes. Avoid contact with eyes. When opening the container, mixing and loading and using the prepared spray, wear cotton overalls buttoned to the neck (or equivalent clothing). If applying by equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrists and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

## **FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26; New Zealand 0800 764 766.

## **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet which may be found at [www.es.bayer.com.au](http://www.es.bayer.com.au).

## **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.: 64673/125104

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

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Batch Number:

Date of Manufacture: