

# POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## Esplanade<sup>®</sup> Herbicide

ACTIVE CONSTITUENT      500 g/L INDAZIFLAM

GROUP	29	HERBICIDE
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For pre-emergent control of certain grass and broadleaf weeds in commercial, industrial and other non-crop areas and for pre- and post-planting weed control in forestry plantations as per the Directions for Use.

**Net contents: \* L**

\* 1 L – 1000 L approved pack size range

Commercial pack sizes 1L, 5L

## DIRECTIONS FOR USE

### RESTRAINTS

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 irrigate to the point of runoff for at least 3 days after application.

DO NOT apply to waterlogged soil.

DO NOT apply if heavy rains or storms are forecast within 3 days.

### 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. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. 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.

**DO NOT** apply by a boom sprayer unless the following requirements are met:

Spray droplets not smaller than a **COARSE** spray droplet size category.

Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

#### Buffer zones for boom sprayers

Application rate	Mandatory downwind buffer zones	
	Natural aquatic areas	Vegetation areas
Up to maximum label rate	10 metres	40 metres

## DIRECTIONS FOR USE

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<p>Non-crop-areas around buildings, commercial and industrial areas for maintenance of bare ground including public service areas, rights of way, rail tracks, roadsides, guideposts, powerlines, substations, airports, public utilities and fence lines</p>	<p>Various broadleaf weeds and grasses. Refer to Weeds Table in the General Instructions</p>	<p>150 mL/ha or 30 mL/100L</p>	<p>Apply this product prior to weed seed germination. Do not exceed 300 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>Grassed areas on roadsides, airports, utility rights of way, median and centre strips</p>	<p>Various broadleaf weeds and grasses. Refer to Weeds Table in the General Instructions</p>	<p>150 mL/ha or 30 mL/100L</p>	<p>Apply this product to promote the growth of warm-season grasses. See Tolerant Species table in the General Instructions. Grass should be in robust and healthy condition at the time of treatment. Apply this product prior to germination of the weeds. Ensure adequate coverage for optimum weed control.</p>

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Rehabilitation and restoration of desirable vegetation in non-crop areas impacted by fire, mining, erosion, logging or infrastructure projects.	Various broadleaf weeds and grasses. Refer to Weeds Table in the General Instructions	150 mL/ha or 30 mL/100L	<p>Apply this product prior to weed seed germination. Do not exceed 300 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>Ensure adequate coverage for optimum weed control.</p> <p>See Tolerant Species table in the General Instructions.</p>
<b>Forestry – Pre-plant application</b> Radiata pine ( <i>Pinus radiata</i> ), Tasmanian bluegum ( <i>Eucalyptus globulus</i> ), Shining gum ( <i>Eucalyptus nitens</i> ), Hoop pine ( <i>Araucaria cunninghamii</i> ), African mahogany ( <i>Khaya senegalensis</i> )	Various broadleaf weeds and grasses. Refer to Weeds Table in the General Instructions	150 mL/ha	Apply this product once pre-planting. DO NOT apply to Eucalyptus plantations post-planting. Apply to bare ground prior to weed seed germination. If weeds are present, add a knockdown or other partner herbicide as a tank mix. Refer to the General Instructions.

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<b>Forestry – Post-plant application</b> Radiata pine ( <i>Pinus radiata</i> )	Various broadleaf weeds and grasses. Refer to Weeds Table in the General Instructions	150 mL/ha	Apply this product once from two weeks to two months post-planting. Apply to bare ground prior to weed seed germination. If weeds are present, add a knockdown or other partner herbicide as a tank mix. Refer to the General Instructions.

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

## **GENERAL INSTRUCTIONS**

Esplanade is a selective, pre-emergent herbicide for control of certain grass and broadleaf weeds in industrial vegetation management and in forestry plantations. Esplanade controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB inhibitor). The product needs to be activated prior to weed germination for most effective control. For maximum activity against germinating weeds, Esplanade requires rainfall (minimum 6 mm) within several weeks after application to activate the herbicide. Esplanade has minimal post-emergent activity and generally does not control weeds that have emerged. A registered post-emergent herbicide may be mixed with Esplanade to control existing weeds. Esplanade does not control tubers, rhizomes and woody vegetation.

**INDUSTRIAL VEGETATION MANAGEMENT (IVM):** Apply Esplanade prior to weed seed germination. Esplanade does not generally control weeds that have emerged. For maximum weed control, the herbicide needs to reach the soil surface and be activated by rainfall or adequate soil moisture. Factors including soil type, rainfall and the amount of vegetation at the time of treatment may affect weed control. Control may be reduced if the product is not activated by rainfall prior to weed germination.

**FORESTRY:** The level of weed control is dependent on many variables including soil texture, moisture, temperature, weed species present, the amount of weed seed present in the soil and the crop canopy. Weed control activity may be reduced if the application is made to soil covered in heavy crop or weed debris that prevents a uniform distribution of the product reaching the soil. Removing debris prior to application will facilitate contact with soil.

Esplanade may be tank mixed with the following herbicide active ingredients but not limited to: glyphosate, hexazinone, metsulfuron-methyl, simazine and sulfometuron-methyl. Apply mixtures so that the spray solution covers the soil surface in a uniform manner. If uniform coverage is not achieved pre-emergent activity will be inconsistent. See also the Compatibility section of this label.

### **MIXING**

Ensure that the spray tank has been thoroughly cleaned from previous use before mixing. Half- fill the spray tank with water, then with agitators in motion, add the correct amount of Esplanade directly into the spray tank. Complete filling the tank with water with agitators in motion. Agitation must continue before and during spraying.

### **COMPATIBILITY**

As formulations of other manufacturers' products are beyond the control of Bayer CropScience Pty Ltd and as water quality may vary, a compatibility test to assess physical compatibility should be conducted with any potential tank mix partner prior to mixing commercial quantities. Fill a clear container three-quarters full with water. Add the appropriate amount of Esplanade 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 Esplanade. 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) Esplanade, 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.

## **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. Use spray volumes of 150 – 400 L/ha, spray boom height and spray pressures as low as practical, use coarse droplet-producing nozzle tips, use drift-control additives and spray when wind speed is low.

Apply Esplanade with a properly calibrated sprayer according to the manufacturers' directions and check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control. Avoid overlap. Shut off spray boom while starting, turning or stopping to avoid off-target application.

Spot application: Use spot spraying to treat individual weed plants or areas that only have small clumps of weed infestations.

**FORESTRY:** Esplanade may be applied either as a broadcast treatment during site preparation or to established stands, or as a banded spray to the rows of trees, prior to or after planting. DO NOT apply to Eucalyptus plantations post-planting.

## **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.



## WEED TABLE (ALL STATES)

WEED		RATE	CRITICAL COMMENTS
Annual ryegrass	<i>Lolium rigidum</i>	150 mL/ha	Apply pre-emergence of weeds. Use this product in combination with a partner herbicide if weeds have germinated at time of application or if the weed spectrum is not covered by use of Esplanade alone.
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 truncata</i>		
Winter grass	<i>Poa annua</i>		
Yorkshire fog, fog grass	<i>Holcus lanatus</i>		

## TOLERANT SPECIES

Esplanade may be used for weed control in non-crop situations to promote the establishment of desirable vegetation. The following species are known to be tolerant to pre and/or post-planting applications of Esplanade.

### TOLERANT SPECIES TABLE

Pre- and post-plant application	
Bahia grass	<i>Paspalum notatum</i>
Buffalo grass	<i>Stenotaphrum secundatum</i>
Common couch, hybrid couches	<i>Cynodon dactylon</i>
Kikuyu	<i>Pennisetum clandestinum</i>
Queensland Blue Couch	<i>Digitaria didactyla</i>
Zoysia	<i>Zoysia</i> spp.
Pre-plant application	
African mahogany	<i>Khaya senegalensis</i>
Hoop pine	<i>Araucaria cunninghamii</i>
Radiata pine	<i>Pinus radiata</i>
Shining gum	<i>Eucalyptus nitens</i>
Tasmanian bluegum	<i>Eucalyptus globulus</i>

## RESISTANT WEEDS WARNING

GROUP	<b>29</b>	HERBICIDE
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Esplanade Herbicide is a member of the Group 29 herbicides (alkylazines) and has the inhibitor of cell wall [cellulose] synthesis mode of action. For weed resistance management Esplanade is a Group 29 herbicide. Some naturally occurring weed biotypes resistant to Esplanade, and other Group 29 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 Esplanade or other Group 29 herbicides. DO NOT rely exclusively on Esplanade 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 Esplanade to control resistant weeds.

## PRECAUTIONS

### RE-ENTRY PERIOD

If entering the treated area before the spray has dried, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves. Clothing must be washed after each day's use.

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

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

## **PROTECTION OF LIVESTOCK**

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

## **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 from treated areas, 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.

## **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, loading and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If applying by equipment carried on the back of the user wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) 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. 86235/133304

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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

**May cause damage to organs (Nervous system) if swallowed. May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.**

Do not breathe mist/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Get medical advice/attention if you feel unwell. If exposed: Call a POISON CENTRE or doctor/physician. Store locked up.