

Read the label before opening the container.

For Full particulars, see enclosed leaflet.

# Escape



South Africa Reg.No: L 6021 Act No. 36 of 1947

A Granular root absorbed herbicide for dry application, possessing residual action, for the control of weeds on non-crop areas and in plantations off certain *Pinus* species, as specified, in the Southern cape region bounded by Stutterheim in the east and Mosselbay in the west.

HRAC HERBICIDE GROUP CODE: C1

**ACTIVE INGREDIENTS:**

Hexazinone (triazine)..... 50 g/kg  
Terbuthylazine (triazine) ..... 150 g/kg

Product Information Tel no: 082 801 6759  
In case of poisoning: 082 446 8946

[www.enviro-crop.co.za](http://www.enviro-crop.co.za)



11042000-11/12  
Batch No:  
Date of Manufacture:

**Registration holder:**  
Enviro Industries (Pty) Ltd t/a ENVIRO WEED CONTROL SYSTEMS,  
Co. Reg. No. 1999/06138/07  
10 Ninth Avenue, Industria, Kroonstad, 9500  
Tel: 056 213 1967



CAUTION  
VERSIGTIG



## Escape

Reg. No. L6021 Act/Wet No. 36 of/van 1947

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'n Wortelopneembare korrel-onkruidodder met nawerking wat droog aangewend word vir die beheer van onkruid op onverboude gebiede en in plantasies van sekere *Pinus* spesies, soos gespesifiseer in die Suid-Kaap streek begrens deur Stutterheim in die ooste en Mosselbaai in die weste.

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: C1

### ACTIVE INGREDIENTS / AKTIEWE BESTANDEDELE:

Hexazinone (triazine) / Heksasinoon (triasien).....50 g/kg  
Terbutylazine (triazine) / Terbutilasien (triasien).....150 g/kg

### Registration holder / Registrasiehouer:

Enviro Industries (Pty) Ltd t/a ENVIRO WEED CONTROL SYSTEMS,  
Co. Reg. No. 1999/06138/07  
10 Ninth Avenue / Negende Laan, Industria, Kroonstad, 9500 , TEL: (056) 213 1967

## CAUTION / VERSIGTIG

### WARNINGS

- Poisonous if swallowed.
- Irritating to eyes.
- Is non-selective and may kill trees and desirable plants if applied incorrectly.
- Keep out of reach of children and uninformed persons.
- Store in original container in a cool place out of direct sunlight, and away from food, feed, seed and fertilizer.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

### PRECAUTIONS

#### a) Health and safety precautions

- Do not inhale spray mist or dust. Avoid skin and eye contact. Wear a disposable nose mask, PVC gloves and a face shield or goggles when pouring, or if using a broadcast spreader.
- In the event of eye contamination flush eyes copiously with clean water for 15 minutes and seek medical attention.
- Wash contaminated clothing daily.
- Do not smoke, eat or drink when applying and wash hands and face before smoking, eating or drinking.
- Wash with soap and water after accidental skin contact.

#### b) Container disposal

- Container and package must be completely emptied before being disposed of. Shake empty into the application equipment.
- Do not use the empty package for any other purpose.
- Destroy empty bag by shredding. Do not burn empty package.

#### c) Environmental precautions

- Do not contaminate streams, rivers or dams with the chemical or used containers or packages.
- Do not apply the product in a water course within the maximum flood level, or in a wetland.
- Do not apply on sloping ground where surface wash could carry the product to sensitive areas, or into areas into which the roots of desirable vegetation may extend.

- Do not apply within the root zone of desirable trees or plants. Allow at least twice the height of the tree to determine root spread.
- Do not load within 20 metres of any body of water.
- Do not load within 20 metres of a well unless on an impervious pad to prevent groundwater contamination.

### ENVIRONMENTAL RESTRICTIONS

1. **Highly Vulnerable Sites** – (less than 0,5% organic matter, greater than 60% sand, water table less than 2 metres below surface and annual rainfall greater than 1000 mm). Do not apply more than 40 kg per hectare per year. Spot treatments will effectively reduce the total quantity applied.
2. **Moderately Vulnerable Sites** – (at least two of the factors, shown above characterizing a vulnerable site are not present): Do not apply more than 120 kg per hectare per year. Spot treatments will effectively reduce the total quantity applied.
3. **Low Vulnerability Sites** – (at least three of the factors above characterizing a vulnerable site are not present): Do not apply more than 200 kg per hectare per year.

### RESISTANCE WARNING

For resistance management **Escape** is a group code **C1** herbicide. Any weed population may contain individuals naturally resistant to **Escape** and other group code **C1** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. **Escape** or any other group code **C1** herbicide may not control these resistant weeds.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from different herbicide group codes.
- Integrate other control methods (chemical, cultural, biological) into weed control programmes.

For specific information on resistance management contact the registration holder of this product.

### DIRECTIONS FOR USE – USE ONLY AS DIRECTED

#### GENERAL

**Escape** is a broad spectrum herbicide which controls many annual and perennial weeds, both grasses and broadleaved weeds as well as a number of woody and semi-woody trees and shrubs. It is root absorbed and requires leaching into the root zone of the weeds to be controlled. Adequate rainfall is required for this purpose. It also is a pre-emergence herbicide with residual action and will control several weed species that may germinate after application. It should be applied just prior to or at the commencement of active weed growth preferably at the beginning of the rainfall period where seasonal rain occurs. Under dry conditions results may be slow to appear. Soil type has an influence on the activity of the product, higher rates being required as the clay and humus contents of the soil increases. It is not recommended on soils containing under 5% or over 35% clay. The length of residual weed control obtained is dependent on the dosage rate, rainfall subsequent to application, soil type and species of weed seeds present in the soil bank.

Weeds which are entering the dormant cycle, or which have shed seed, or suffering from moisture stress or cold may not be adequately controlled. Do not apply during periods of heavy rainfall.

#### **Escape may be used for:**

- i) Total vegetation control applied broadcast or by means of the Weed-a-Meter (WAM) for localised weed control.
- ii) Localised weed control in plantations of certain ***Pinus*** species under restricted conditions using the Weed-a-Meter.

Refer to the appropriate sections for details.

#### APPLICATIONS

The product should be distributed dry over the weeds using a calibrated mechanical distributor for broadcast application, or by means of a calibrated Weed-a-Meter for localised control.

## Total Vegetation Control

DOSAGE RATES – TOTAL VEGETATION CONTROL				
Soil Type	Annual Weeds		Perennial Weeds	
	Rate kg/ha	Rate g/m <sup>2</sup>	Rate kg/ha	Rate g/m <sup>2</sup>
5 -20% clay (sand)	60-80	6-8	80-100	8-10
21-35% clay (sandy clay loam)	80-100	8-10	100-120	10-12

Where *Cynodon dactylon* or *Paspalum* spp are a problem use 120 to 160 kg/ha (12 to 16 g/m<sup>2</sup>) and repeat is necessary towards the end of the growing season using half the initial rate.

### Use of the Weed-a-Meter (WAM)

For spot application the WAM may be used to apply **Escape** over a circle from 1 to 1,5 metres in diameter depending on the height held above the ground. The table below gives the dosage applied in grams per m<sup>2</sup> using different trigger sizes when the trigger is held at a height of approximately 90 cm giving 1,2 m diameter spot.

WAM APPLICATION GUIDE				
Trigger#	Number of shots	Spread in metres	g/m <sup>2</sup>	g/shot
#3	3	1,2	6,75	2,55
#3	4	1,2	9	2,55

Always check the delivery of the product prior to usage. Do not use the WAM under windy or rainy conditions.

### Usage comments

1. Refer to the weeds list for species controlled.
2. Use the lower rate on young weeds, and the higher rate for more mature plants, or where a longer residual control is required. Weeds should be actively growing at the end of the treatment. Plant stressed from drought, cold or which are water logged will not be adequately controlled.
3. Watch for escape weeds and repeat on a spot basis.
4. Residual control obtained may vary from 2 to 4 months, depending on conditions. Where a bare ground situation is required for a longer period in the same growing season, re-apply at the rate of 50 to 60 kg/ha to the emerging weeds.

### PINE TREE ESCAPE APPLICATION

**Escape** may be used under certain conditions for weed control in plantations of *Pinus radiata* and *P.elliotti* in the Southern Cape region, using the Weed-a-Meter. As young trees **may be killed or injured**, it is important that the following restrictions be observed:

- Select only strong rooted, hardened, stress free plants for transplanting purposes.
- Do not apply to young trees until at least 4 months after transplanting. When interplanting of trees is practiced, 4 months should elapse from this date.
- Do not apply to trees which have poor vigour due to inadequate root systems, or suffering from drought, waterlogging, disease or other adverse environmental factors.
- Do not apply to trees planted in light sandy or gravelly soils with less than 15% clay content, or on soils with a high leaching index, or on poorly drained soils subject to waterlogging.
- Do not exceed the dosage specified.
- Do not apply during cold weather causing tree stress.
- Do not repeat an application in the same season.

**DIRECTIONS FOR USE: *Pinus radiata* and *P.elliotti*****GENERAL**

**Escape** is applied to weeds around individual trees using the Weed-a-Meter held centrally over the tree at the correct height to provide a 1,2 meter diameter spot. Refer to Weed-a-Meter instructions leaflet before using the product. **Trees should be growing vigorously at the time of application.**

Apply either before or after weed germination but preferably before the weeds become competitive to the tree.

Familiarize yourself with the precautions and general instructions for using the product. Ensure that persons assigned to apply the product are properly trained, and are aware of the danger of killing trees from overapplication.

<b>MAXIMUM DOSAGE RATES FOR <i>Pinus radiata</i> and <i>P.elliotti</i></b>					
<b>Situation</b>		<b>g/m<sup>2</sup></b>	<b>g/tree per 1,2 m diameter</b>	<b>WAM Trigger #</b>	<b>Number of shots</b>
<b>Age of Trees</b>	<b>Soil Type % clay</b>				
<b>4 – 6 months</b>	15 -20%	3,2	3,84	#2	two
	21-35%	4,5	5,1	#3	two
<b>Older than 6 months</b>	15-35%	4,5	5,1	#3	two
<b>Older than 12 months</b>	15-35%	6,77	7,65	#3	three

**Comments:**

- Use the 3,2 g/m<sup>2</sup> rate for pre-emergence weed control or where weeds are in die seeding stage.
- The 6,77 g/m<sup>2</sup> rate is suggested for the use on robust trees where “fynbos” type weeds are a problem and where extended residual control is required. The safety of this rate in respect to tree injury should be established by treating a limited area in the first instance under the local conditions prevailing in the area.
- If in doubt to procedure contact your distributor or a representative of Enviro Weed Control Systems.

**PARTIAL LIST OF SOUTHERN CAPE FORESTRY WEEDS CONTROLLED BY 6 g/m<sup>2</sup> Escape.**

<b>BOTANICAL NAME</b>	<b>COMMON NAME</b>	<b>COMMENTS</b>
<i>Acacia mearnsii</i>	Black wattle	Pre-emergence or early seedling stage, rainfall essential shortly after application
<i>Acacia melanoxylon</i>	Blackwood	
<i>Chrysanthemoides monilifera</i>	Brother berry	
<i>Conyza Canadensis</i>	Horseweed	
<i>Digitana sanguinalis</i>	Crab fingergrass	
<i>Ehrharta calycina</i>	Ehrhata	
<i>Ehrharta subspicata</i>	Ehrhata	
<i>Fimbristylis hispidula</i>	Sedge	
<i>Fimbristylis dichotoma</i>	Sedge	
<i>Gleichenia polypodioides</i>	Creeping fern	Young plants only.
<i>Helichrysum cripum</i>	Everlasting	Suppression of mature plants.
<i>Helichrysum cymosum</i>	Everlasting	
<i>Helichrysum aiveune</i>	Everlasting	
<i>Hydrocotyl Americana</i>	Navelwort	
<i>Hypochoeris radicata</i>	Hairy wild lettuce	
<i>Lobelia erinus</i>	Lobelia	
<i>Lolium spp</i>	Ryegrass	
<i>Metalasia muricata</i>	Blombos	
<i>Paspalum dilatatum</i>	Common paspalum	
<i>Pennisitum clandestinum</i>	Kikuyu grass	
<i>Phylicia spp</i>		
<i>Pteridium aquilinum</i>	Bracken	Suppression only
<i>Restio triticus</i>	Sedge	
<i>Stoebe incana</i>	Slangbos	
<i>Solanum nigrum</i>	Nightshade	
<i>Stoebe plumosa</i>	Slangbos	
<i>Tetradenia riparia (sp)</i>	Watersalie	
<i>Virgilla oroboides</i>	Snowdrop tree	

**PARTIAL LIST OF WEEDS CONTROLLED ON NON-CROP SITES**

<b>SPECIES</b>	<b>COMMON NAME</b>
<b>Annual weeds</b>	
<i>Amaranthus hybridus</i>	Common pigweed
<i>Argemone mexicana</i>	Mexican poppy
<i>Cosmos bipianatus</i>	Cosmos
<i>Bromus cathartus</i>	Rescue grass
<i>Commelina wandering</i>	Wandering Jew
<i>Conyza albida</i>	Tall fleabane
<i>Conyza bonariensis</i>	Flax-leaf fleabane
<i>Conyza canadensis</i>	Horseweed fleabane
<i>Cyperus esculentus</i>	Yellow nutgrass
<i>Digitaria sanguinalis</i>	Crab fingergrass
<i>Eleusine Africana</i>	Goose grass
<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Pseudo gnaphalium luteo-album</i>	Jersey cudweed
<i>Tagetes minuta</i>	Khaki weed
<b>Perennial weeds</b>	
<i>Cynodon dactylon</i>	Common kweek grass
<i>Eragrostis chloromelas</i>	Lovegrass
<i>Eragrostis curcula</i>	Weeping love grass
<i>Eragrostis lehmanniana</i>	Lovegrass
<i>Hyparrhenia hirta</i>	Common thatch grass
<i>Panicum maximum</i>	Buffalo grass
<i>Pennisetum clandestinum</i>	Kikuyu grass
<i>Themeda triandra</i>	Red grass