Read the label before opening the container. For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

ENVIRO ORCHARDS

South Africa Reg. No: L6344 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: C1

Enviro ORCHARDS is a suspension concentrate soil acting herbicide with prolonged action for the prevention of weed growth in wine grape vineyards and apple and pear orchards in the Western Cape.

ACTIVE INGREDIENT:

Terbuthylazine (triazine).....250g/ℓ
Simazine (triazine).....250g/ℓ
Total active ingredients.....500g/ℓ

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Harmful if swallowed
- Suspected of causing cancer
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.



PRECAUTIONARY STATEMENTS

- Wash hands and face thoroughly after handling.
- Avoid release to the environment.

enviro™ bio-chem

Registration holder: Enviro Industries (Pty) Ltd
Co. Reg. No: 1999/006136/07
44 Kerk Street, Lichtenburg NW, South-Africa
Tel: +27 12 006 0063 | Fax: +27 86 541 7948
Web: www.envirobiochem.co.za

Expiry Date:
Batch No:
Date of Manufacture:

UN No. 3082

WARNINGS:

- Harmful if swallowed
- Suspected of causing cancer
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.
- Store in a cool place away from food, feedstuffs, seed, fertilizers and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.

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, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the 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:

- Do not handle until all safety precautions have been read and understood.
- Do not breathe mist, vapours and spray.
- Wash hands and face thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Avoid release to the environment.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- If exposed or concerned: Get medical attention.
- Collect spillage
- Avoid spray drift contaminating other crops, pastures, rivers, dams, boreholes and areas not to be treated.
- Prevent the contamination of food, feeds, drinking water and eating utensils.
- Keep in original container, tightly closed and in a safe place.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the content of the spray tank. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.
- Do not mix and load within at least 15 meter from boreholes, streams, rivers and dams.
- Do not apply within at least 15 meter from boreholes, streams, rivers and dams.
- Do not apply within at least 60 meter of dams.

RELEVANT SUBSTANCES:

Simazine 22.9 %
Terbuthylazine 23 %
Formalin (Anti bacteria) < 0.1 %

FIRST AID TREATMENT:

INHALATION: Remove person to fresh air and keep comfortable for breathing.
INGESTION: Immediately call a POISON CENTER or doctor/physician.
SKIN CONTACT: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

RESISTANCE WARNING:

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

To delay herbicide resistance:

- Avoid the exclusive repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from difference 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.

Enviro ORCHARDS is a long lasting spray applied herbicide which acts in the soil to control the germination of weed seeds on such sites as wine grape vineyards, apple- and pear orchards. It should be applied prior to the emergence of the weed to the clean soil. Should weeds have already emerged, use an appropriate herbicide in combination with **Enviro ORCHARDS** (Refer to combinations below). **Enviro ORCHARDS** does not control emerged weeds. Rainfall is necessary to leach **Enviro ORCHARDS** into the soil before its action can take place.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES:

In order to control existing weeds a combination of a systemic or suitable knockdown herbicide may be used in combination with **Enviro ORCHARDS**. The label recommendations for these products should be followed, and compatibility of the mixture should be established in each case.

Enviro ORCHARDS may be used in combination with **TUMBLEWEED** (Reg. Nr: L4781), **ENVIRO GLYPHOSATE 360** (Reg. Nr: L4767) or **GRAMOXONE** in order to control established weeds, but should be mixed as prescribed. Consult the labels of these respective products to determine the dosage rate. Do not use less than 4.5ℓ **TUMBLEWEED** or 6ℓ **ENVIRO GLYPHOSATE 360**, per hectare in combination with **Enviro ORCHARDS.**

Enviro ORCHARDS may be added to a spray mix containing **TUMBLEWEED** or **ENVIRO GLYPHOSATE 360** to provide residual weed control. Always consult the respective labels and follow the directions for use.

MIXING INSTRUCTIONS:

- Shake well before use
- Replace cap after pouring.
- Half-fill the spray tank with water then pour the required quantity of **Enviro ORCHARDS** through a 50 mesh sieve into the tank.
- Top up the tank with water to the final volume required.
- Ensure thorough agitation during filling and spraying operations.
- When used in tank mixture with either **TUMBLEWEED, ENVIRO GLYPHOSATE 360** or **GRAMOXONE**, first add the **Enviro ORCHARDS** and mix well and finally add either the **TUMBLEWEED, ENVIRO GLYPHOSATE 360** or **GRAMOXONE** whilst the spray tank is filled to its final volume with water.
- After each day's spraying flush spray equipment thoroughly with clean water.

SPRAY WATER MODIFIERS:

The addition of ammonium sulphate at 1 to 2kg per 100ℓ spray water, or **BLADBUFF 5** may improve the action when hard waters are used to apply combinations of **Enviro ORCHARDS** and **TUMBLEWEED** or **ENVIRO GLYPHOSATE 360**. The addition of herbicidal spray oils is not recommended with combination mixtures.

A compatibility test, with the proposed combination should be made, using the spray water intended for use, to determine if flocculation (rapid settling-out of chemicals) occurs, in which case special precautions should be taken to ensure adequate agitation in the spray tank.

APPLICATION:

Enviro ORCHARDS may be applied by means of knapsack sprayers or tractor operated boom sprayers. Calibrate the equipment to determine the volume applied and ensure that the spray is evenly distributed the over the target area. Use a minimum of 200ℓ/ha, at a nozzle pressure of 200 to 300kPa. The mixture should be gently agitated at all times prior to and during spraying to prevent deposition on the tank bottom. A knapsack sprayer fitted with a paddle agitator, such as the Matabi, is recommended. Always flush out the spray lines immediately after usage. Dispose of washings in a safe place.

RECOMMENDATIONS:

(i) Control of annual weeds in wine grape vineyards (on vines older than 3 years):
Enviro ORCHARDS Is registered for use with the following wine grape varieties (a) Chenin Blanc (b) Cabernet sauvignon and (c) Merlot:

APPLICATION RATE: Wine grape vineyards		
CROP	SOIL TYPE	ENVIRO ORCHARDS
Chenin Blanc	>15% Clay	6ℓ/ha
Cabernet Sauvignon	>15% Clay	6ℓ/ha
Merlot	>15% Clay	6ℓ/ha

(ii) Control Of Annual Weeds In Apple And Pear Orchards (on trees older than 3 years):

Directed Application

APPLICATION RATES (Only trees older than 3 years)		
CROP	SOIL TYPE	ENVIRO ORCHARDS
Apples	<15% Clay >15% Clay	4ℓ/ha 6ℓ/ha
Pears	<15% Clay >15% Clay	NOT RECOMMENDED 6ℓ/ha

NOTE: Enviro ORCHARDS does not have any post-emergence activity and must, therefore, be applied to soil, free of emerged weeds at the time of application or must be used in combination with a suitable post-emergence herbicide when weeds are present. Best results will be obtained when Enviro ORCHARDS is applied subsequent to the application of a post-emergence herbicide such as TUMBLEWEED. A dense stand of weeds may, however, result in insufficient penetration of Enviro ORCHARDS to the soil surface. The best result with Enviro ORCHARDS is obtained when application is made as late as possible in the season (end October, beginning November) but at the first signs of weed germination. Rain or irrigation is required shortly after application Enviro ORCHARDS to activate the product. Application made during late spring or early summer must therefore be followed by irrigation if rain does not occur within 10 days of application.

Remarks:

(i) Apply in 200 to 300ℓ water/ha.
(ii) When Enviro ORCHARDS is used in combination with TUMBLEWEED or GRAMOXONE follow all the instructions on the TUMBLEWEED/ GRAMOXONE label.
(iii) The residual activity on grasses may not always be satisfactory, particularly where the product was applied early (July to September) and / or on light soils under conditions of heavy rainfall or irrigation.
(iv) Do not apply on soils with a pH in water of 7 or higher or poorly drained soils.
(v) Do not apply to trees suffering from micro-nutrient deficiencies.

(vi) **Enviro ORCHARDS** has a relatively long residual activity. Therefore do not plant any sensitive crops such as vegetables, legumes or winter cereals within 18 months after treatment.
(vii) Do not apply to interplants before they are older than 3 years.

ACKNOWLEDGEMENTS OF TRADEMARKS:
Bladbuff 5: Plaaskem (PTY) LTD PO Box 87005, HOUGHTON, 2041, RSA
Gramoxone: Zeneca Agrochemicals SA (PTY) LTD Private Bag X8, GALLO MANOR, 2052, RSA
Matabi: Goizper S. Coop, Ltda, PO Box 211-20570, Bergara, Spain.

LIST OF WEEDS CONTROLLED BY PRE-EMERGENCE TREATMENT	
GRASSES	
Avena Fatua	Common Wild Oats
Bromus Diandrus	Riput Brome
Bromus Unioloides	Rescue Grass
Chloris Virgata	Feathertop Chloris
Digitaria Sanguinalis	Crab Finger-Grass
LIST OF WEEDS CONTROLLED BY PRE-EMERGENCE TREATMENT	
GRASSES	
Eleusine Indica	Goose Grass
Eragrotis Teff	Teffgrass
Lolium Temulentum	Darnel
Lolium Perenne	Perennial Ryegrass
Panicum Schinzii	Sweet Buffalo Grass
Setaria Pallide-Fusca	Red Bristle Grass
Setaria Verticillata	Sticky Bristle Grass
Urocholoa Panicoides	Herringbone Grass
BROADLEAF WEEDS	
Acanthospermum Australe	Creeping Starbur
Acanthospermum Hispidum	Upright Starbur
Amaranthus Hybrisdus	Common Pigweed
Amaranthus Spinosus	Thorny Pigweed
Arctotheca Calendula	Cape Marigold
Bidens Bipinnata	Spanish Blackjack
Bidens Pilosa	Common Blackjack
Chenopodium Album	White Goosefoot

BROADLEAF WEEDS	
Chenopodium Murale	Nettle Leafed Goosefoot
Conyza Canadensis	Fleabane
Conyza Sumatrensis	Tall Fleabane
Cosmos Bipinnatus	Cosmos
Datura Ferox	Large Thorne Apple
Datura Stammonium	Thorn Apple
Emex Australis	Spiny Emex
Erodium Moschatum	Musk Heron's Bill
Galinsoga Parviflora	Gallant Soldier
Polygonm Aviculare	Prostate Knotweed
Portulaca Oleracea	Common Purslane
Raphanus Raphanistrum	Wild Radish
Schkuhria Pinnata	Dwarf Marigold
LIST OF WEEDS CONTROLLED BY PRE-EMERGENCE TREATMENT	
BROADLEAF WEEDS	
Sonchus Oleracea	Common Sow Thistle
Tagetes Minuta	Khaki Weed
Tribulus Terrestris	Common Dubbeltjie
Vicia Sativa	Broad-Leafed Purple Vetch