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

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

RESTRICTED USE AGRICULTURAL REMEDY

THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND ONLY AS DIRECTED ON THIS LABEL.

ENVIRO PARAQUAT

South Africa Reg. No: L11172 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: D

Herbicide in the form of a solution for the control of annual grasses and broadleaf weeds in crops as listed and for fire breaks. Inactivated on contact with the soil.

ACTIVE INGREDIENT:

Paraquat ion (bypiridyl).....200g/ℓ
(as dichloride salt).....276g/ℓ)

HAZARD STATEMENTS

- Harmful if swallowed
- Toxic in contact with skin
- Fatal if inhaled
- Causes skin irritation.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.
- Causes damage to organs.
- Very toxic to aquatic life with long lasting effects.



PRECAUTIONARY STATEMENTS

- Store locked up
- Get medical help

Product Information: 072 678 8226
In case of poisoning: 082 446 8946
Poison Centre: +27 861 555 777

enviro™ bio-chem

Registration holder: Enviro Crop Protection (Pty) Ltd
Co. Reg. No: 2007/027855/07
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:

- KEEP LIVESTOCK OUT OF TREATED AREA FOR 3 WEEKS.
- Harmful if swallowed
- Toxic in contact with skin
- Fatal if inhaled
- Causes skin irritation.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.
- Causes damage to organs.
- Very toxic to aquatic life with long lasting effects.
- Store in original container, in a cool, dry place.
- Store under lock and key and out of reach of children, uninformed persons and animals.
- Store away from food, feeds, fertilizers, seed and drink water.
- **ENVIRO PARAQUAT** is highly toxic if swallowed, and can cause death.
- Never repack from this container.
- Toxic to wildlife.
- Re-entry: Do not enter treated area within 2 days after treatment unless wearing protective clothing.
- **In case of poisoning call a doctor and make this label available to him/her.**

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 effected 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 the 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 event of any uncertainty.

PRECAUTIONS:

- Do not breathe dust/fume/gas/mist/ vapours/spray.
- Do not eat, drink or smoke when using this product.
- Wash body thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands thoroughly after handling. Do not touch eyes.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves.
- [In case of inadequate ventilation] wear respiratory protection.
- Get emergency medical help immediately.
- Take off contaminated clothing and wash it before reuse.
- Collect spillage.
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Avoid spray drift onto crops, grazing, rivers or areas not under treatment.
- Spray drift may cause damage to neighbouring crops.
- Wash application equipment after use, using a wetting agent. Dispose of wash water in a safe manner and do not contaminate crops, grazing, rivers, dams, boreholes, fountains, etc.
- This applicator should not be used for applying chemicals other than herbicides.

- Triple rinse empty containers 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 container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the described manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- Never re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING:

Inhalation of spray mist may cause nose bleeding and soreness of month and throat. Early signs of **ENVIRO PARAQUAT** poisoning, when ingested, are burning of the mouth and throat, gastrointestinal tract irritation, abdominal pain, loss of appetite, nausea, vomiting and diarrhea. Other symptoms include thirst, shortness of breath, rapid heart rate, kidney failure, lung sores and liver injury. In severe cases of poisoning diarrhoea follows and kidney and liver damage may develop 1 to 3 days after exposure. Lung damage can be observed after about 3 days and may lead to death.

RELEVANT SUBSTANCES:

Chemical Name	Concentration (G/L)
Paraquat dichloride	276
Geronol MP900-W	>100
Emetic PP796	>0.1
Dye	>0.1

FIRST AID TREATMENT:

Remove the patient from the exposure area and keep the patient warm and at rest.

EYE CONTACT: Flush eyes with lukewarm, gently flowing water for at least 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation, redness or burning sensations develop, get medical attention immediately.

SKIN CONTACT: Remove contaminated clothing, shoes and leather goods immediately. Wash contaminated areas with soap and water. **ENVIRO PARAQUAT** can be absorbed through damaged skin.
Emergency personnel should wear gloves and avoid contamination. If irritation persists, get medical attention immediately.

INHALATION: Get medical attention immediately. Do not administer supplementary oxygen.

INGESTION: Do not induce vomiting. Wash mouth with water and give the patient water to drink. Seek medical advice immediately

NOTE TO PHISICIAN:

Rapid treatment is essential. Wash out stomach and test urine and gastric aspirate, if clear, for presence of **ENVIRO PARAQUAT.** Give the patient up to 1 litre of 15% aqueous suspension of Fuller's Earth, orally or via gastric tube, together with suitable purgative (200mℓ of aqueous solution of mannitol). Repeat administration of absorbent plus purgative until absorbent is seen in stools.
This should normally take between 4 to 6 hours after start of treatment.
Do NOT administer supplement OXYGEN.

RESISTANCE WARNING:

ENVIRO PARAQUAT is a **group code D** herbicide. Any weed population may contain individuals naturally resistant to **ENVIRO PARAQUAT** and other **group code D** 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 PARAQUAT** or any other **group code D** herbicide.

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 the control methods (chemical, cultural, biological) into weed control programmes.

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

USE RESTRICTIONS:
HERBICIDE GROUP CODE D

RESTRICTED USES: Use only as directed
- Mix the required amount of **ENVIRO PARAQUAT** with clean water in the spray tank.
- Add non-ionic wetting agent for best results at 3 times the rate advised on the label for fungicides.
- Apply by ground sprayers in 200 to 500 litre water per hectare.
- Use the higher spray volume and higher dosage rate for spraying dense weed growth.
- Ensure thorough wetting of the weeds.
- Do not spray buds or green parts of any crop.
- **ENVIRO PARAQUAT** kills green tissue but does not harm mature bark.
- **ENVIRO PARAQUAT** is inactivated rapidly on contact with the soil and has therefore no residual action.

APPLICATION TABLE:

CROP/PEST	DOSAGE (ℓ/ha)	REMARKS
VINEYARDS	2.5 to 5ℓ	Apply overall when weeds are 10 to 15 cm high before bud burst of the vines. Subsequently as a directed spray.
DECIDUOUS FRUIT	2.5 to 5ℓ	Spray as necessary from spring onwards. **Pome fruit only:** Mix with simazine for residual effect.
CITRUS, AVOCADOS, PECANS & PAPAYAS	1.25 to 5ℓ	In citrus only, **ENVIRO PARAQUAT** can be mixed with a suitableresidual herbicide.
BANANAS, TEA & COFFEE	1.25 to 2.5ℓ	Apply through a low pressure floodjet nozzle.
SUGAR CANE	1.5 to 3ℓ	Directed post-emergence in plant and ratoon cane. Should the spray come into contact with green cane leaves scorching will occur but this is only a temporary effect. Other suitable herbicides may be added for residual effect.
LUCERNE (over 6 months old)	2.5 to 5.5ℓ	Apply just before dormancy breaks or after cutting before regrowth of lucerne occurs.
VEGETABLES (grown in rows)	1.25 to 2,5ℓ	Use a knapsack sprayer with suitable shield to protect all parts of the crops from spray mist.
ALL CROPS Stale seedbed method	1.25 to 2,0ℓ	Prepare seedbed with fertilizer, irrigate and let the weeds come up to cover the surface. Spray and sow within 3 days without reworking the seedbed. This method is especially useful for crops for which only a few herbicides have been registered e.g. lettuce, chicory, cucurbits. These may be sown a few days before spraying.
MINIMUM CULTIVATION	1.5 to 4ℓ	Apply before or just after planting annual crops. May be mixed with a corresponding residual herbicide.
POTATOES (haulm destruction)	2.5 to 5ℓ	Use 200 to 500 litre water per hectare. Do not apply if haulms show signs of wilting as tuber damage may occur. Spray ONLY when at least 5 hours of intensive sunshine are expected to follow.

CROP/PEST	DOSAGE (ℓ/ha)	REMARKS
INDUSTRIAL AREAS Young weeds	2.5ℓ	Use 500 to 1 000 litre spray mixture per hectare depending on density of vegetation.
Mature weeds	5ℓ	
FIRE BREAKS	2.5 to 3.75ℓ	Two months before the onset of the fire season: Spray a 1 to 2 metre wide band (the sparser the vegetation, the wider the band) on both sides of a 5 to 12 metre wide untreated strip (or about 10 metre from a road or canal). Burn the sprayed bands 3 weeks later, while the unsprayed areas are still green and unburnable. The strip in between can be burned relatively safely after the first frost or drought when the vegetation in the strip has dried out.
AFFORESTATION	2.5 to 3.75ℓ	Spray around young trees with a shield to protect the plant.

WEEDS CONTROLLED:

All above ground green tissue of actively growing plants is killed off by **ENVIRO PARAQUAT.**
Annual weeds are well controlled.
Weeds with reserves stored underground recover eg. sedges, bulbs, gousblom, oxalis, kikuyu, etc.