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

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

SUPER LAWNWEEDER

South Africa Reg. No: L4370 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: 0

A selective herbicide in solution for the control of broadleaf weeds as listed in lawns and sporting turf.

ACTIVE INGREDIENT:

Dicamba (dimethylamine salt).....120g/ℓ
2.4-D (phenoxy derivate) (dimethylamine salt).....180g/ℓ
MCPA (phenoxy derivate) (dimethylamine salt).....157.5g/ℓ

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

HAZARD STATEMENTS
- Harmful if swallowed.
- Causes serious eye damage.
- May cause an allergic skin reaction.
- Very toxic to aquatic life with long lasting effects.



PRECAUTIONARY STATEMENTS
- Do not eat, drink, or smoke when using this product.
- Avoid release into the environment.

enviro™ bio-chem

Registration holder: Enviro Industries (Pty) Ltd
Reg No. 1999/006136/07
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Expiry Date:
Batch No:
Date of Manufacture:

UN No. 3082

WARNINGS:

- Harmful if swallowed.
- Causes serious eye damage.
- May cause an allergic skin reaction.
- Very toxic to aquatic life with long lasting effects.
- Store away from food, feeds, seed and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- In case of poisoning call a physician 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. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, incompatibility with other substances not indicated on the label, 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:

- Wash hands, forearms, and face thoroughly after handling
- Do not eat, drink, or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid release to the environment.
- Collect spillage.
- Clean applicator with a household ammonia solution (1%) before using with other materials. Let solution stand for several hours, preferably overnight. Rinse at least twice. This applicator should not be used for applying chemicals other than herbicides.
- Dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- 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.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RELEVANT SUBSTANCES:

2,4-D (as dimethylamine) 33%
MCPA (as dimethylamine) 29%
Dicamba (Dimethylamine) 22%

FIRST AID TREATMENT:

INGESTION: Immediately call a POISON CENTER or doctor/physician.
SKIN CONTACT: (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
INHALATION: Remove person to fresh air and keep comfortable for breathing.
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, **SUPER LAWNWEEDER** is a **group code O** herbicide. Any weed population may contain individuals naturally resistant to **SUPER LAWNWEEDER** and other **group code O** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. **SUPER LAWNWEEDER** or any other **group code O** herbicide may not control these resistant weeds.

To delay herbicide resistance:

- Avoid the exclusive repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with registered 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 holders of this product.

USE RESTRICTIONS:

- To avoid damage, do not permit drift, vapour or spray mist to come into contact with sensitive broadleaf crops, fruit or ornamentals.
- Apply the product strictly in accordance with the application directions.

DIRECTIONS FOR USE: Use only as indicated

Read the entire label before use.

- SUPER LAWNWEEDER may be used to selectively control weeds, after emergence, in established lawn and turfgrass areas.
- SUPER LAWNWEEDER is absorbed by susceptible broadleaved weeds, and moves rapidly to all parts of the plant.
- Initial symptoms are usually visible within 24 hours, but up to 3 weeks may be required for full control to take place.
- Members of the grass family are generally not affected by post-emergence treatments at the rates of application given, but overdosing may lead to injury.

Selective Weed Control in Parks, Sports Fields, Fairways & Lawns:

- **SUPER LAWNWEEDER** may be used to control emerged weeds on common Cynodon spp varieties of turfgrass such as Royal Cape, Magennis, Florida, Skaapplaas and on Kikuyu grass. It may also be used on St Augustine grass (Stenotephrum secundatum), provided it is well-established.
- Under certain conditions the grass may become discoloured. This usually disappears after one or two mowings. Doses in excess of 5ℓ/ha may lead to temporary growth retardation on Stenotephrum and Kikuyu grass.
- Ideally, mowing should not take place for 5 to 7 days prior to application, in order to permit adequate weed leaf development.
- Do not mow within 3 days after application, in order to permit maximum uptake of herbicide.
- Treat weeds in the earliest stage of development. Poor control may be obtained if weeds are matured or growing under unfavourable conditions.
- Best results are obtained if a high nitrogen fertilizer is applied 10 days prior to treatment and areas are adequately watered, so that conditions are ideal for plant growth.
- Do not apply to turfgrass under stress.
- Adverse growing conditions such as cold weather or excessive heat, drought or excessive rain may adversely affect the action of the weed killer and users are cautioned that the recommendations given are for average use and not for abnormal conditions.
- Rain within 2 hours of application may diminish the effect. Do not spray if rain is expected within this time.
- Irrigation is best delayed until the day following application.
- Because **SUPER LAWNWEEDER** contains a special wetting and penetrating adjuvant which increases the effectiveness of the herbicide, care should be taken not to overdose, as the turfgrass could be scorched.

Selective Weed Control on Putting & Bowling Greens:

- Because the turfgrass is frequently under stress due to the frequency of cutting, it should be noted that the rate of application is considerably lower than on other turf areas, in order to minimize the possibility of injury.
- Do not use on Bentgrass unless prior testing has shown phytotoxicity will not result.
- When treating greens, it is essential that the nozzles are opened outside the green area, in order to prevent overdosing from a stationary sprayer.

GROUND APPLICATION:

- Avoid fine droplet size – use low pressure flat nozzles of 800 or equivalent anti-drift type and do not exceed spray pressure of 200kPa.
- Spray volume must exceed 150ℓ/ha.
- Do not exceed spray height of 50cm above target and ground speed of 10km/h.
- Do not apply if wind velocity exceeds 15km/h (as measured by handheld wind recorder).
- The difference between the wet and dry bulb readings on a whirling hygrometer must not exceed 8°C.

MIXING AND APPLICATION:

- Measure off the herbicide and add to the half-filled tank and top-up while agitating to mix the herbicide.
- Do not spray on the area to be treated with the sprayer stationary, and only overlap swaths as recommended by the nozzle manufacturers or damage from overdosing may result.
- Maintain a constant speed and pressure as determined from the calibration.
- Dilute **SUPER LAWNWEEDER** with water and apply as a fine spray, using a suitable applicator or a tractor-mounted boom sprayer or by means of a knapsack sprayer, calibrated to apply between 300 and 500 litres water per hectare.
- **SUPER LAWNWEEDER** contains a built-in wetting and penetrating adjuvant.
- Additional wetter should not be used when the recommended water volumes are being used.
- A volume of 300 tot 400 litres water per hectare is recommended to give the optimum concentration of adjuvant to assist in uptake and translocation.

Quantity Required per tank:

To calculate the actual quantity of **SUPER LAWNWEEDER** to be added per tank, proceed as follows:

1. Determine the volume of water being applied per unit area (ha) by calibration at the optimum speed and pressure.
2. Use the formula:

(capacity of tank) (ℓ) volume per hectare (ℓ/ha)	x	Rate of **SUPER LAWNWEEDER** selected (ℓ/ha)	=	Litres **SUPER LAWNWEEDER** required per tank

- **e.g. for boom sprayers:**

(capacity of tank) 600ℓ volume per hectare 400ℓ/ha	x	5ℓ/ha (rate of **SUPER LAWNWEEDER**)	=	7.5 **SUPER LAWNWEEDER** required per 600ℓ tank

- **e.g. for knapsack sprayers**

(capacity of tank) 20ℓ volume per hectare 400ℓ/ha	x	6ℓ/ha (rate of **SUPER LAWNWEEDER**)	=	300mℓ **SUPER LAWNWEEDER** required per 20ℓ tank

- Mix 300mℓ **SUPER LAWNWEEDER** in 20ℓ water, or
- Mix 150mℓ **SUPER LAWNWEEDER** in 10ℓ water.
- A knapsack sprayer containing 20ℓ spray mixture, will cover 500m^2.

RATE OF APPLICATION:

SITUATION	DOSAGE RATE (ℓ/ha)	DOSAGE RATE (mℓ/100m^2)
Weeds on greens and bowling rinks:	2ℓ/ha	20mℓ/4ℓ water
Weeds on sports fields, fairways, parks and lawns:	5 - 7ℓ/ha	50 - 70mℓ/4ℓ

NOTE: Do not exceed the rate of 2ℓ/ha on putting or bowling greens.
Repeat if neccessary but not more often than 6 week intervals.
Use the higher rate for restant weeds as listed, or where weeds have reached the flowering stage.
For the control of *Alternanthera, Brayulinea* and *Oxalis* repeat the treatment 21 to 28 days after the initial application.

LIST OF TURF WEEDS CONTROLLED, POST-EMERGENCE:
At 5ℓ/ha:

BOTANICAL NAME	COMMON NAME
Amaranthus Spp.	Pigweed
Argemone Subfusiformis	Mexican Marigold
Bidens Pilosa	Common Blackjack
Cosmos Bipinnatus	Cosmos
Capsella Bursa-Pastoris	Shepards Purse
Chenopodium Album	White Goosefoot
Commelina Benghalensis	Wandering Jew
Coronopus Didymus	Swine Cress
Cotula Anthemoides	Cotula
Datura Stramonium	Common Thornapple
Datura Ferox	Large Thornapple
Emex Australis	Devil's Thorn
Chamaesyce Prostrata	Harry Creepng Milkweed
Chamaesyce Hirta	Red Milkweed
Chamaesyce Inaequilatera	Smooth Creeping Milkweed
Medicago Polymorpha	Bur Clover
Nidorella Resedifolia	Nidorella

Paronychia Braziliana	Brazilian Paronychia
Parthenium Lysterophorus	Famine Weed / White Top Weed
Polygonum Avivulare	Buckhorn Plaintain
Portulaca Oleracea	Purslane
Raphanus Raphanistrum	Wild Radish
Stellaria Media	Chickweed
Tagetes Minuta	Khaki Weed
Taraxacum Officinale	Common Dandelion
Tribulus Terrestris	Dubbeltjie
Vicia Hirsute	Tiny Vetch
Vicia Sativa	Common Vetch

At 7ℓ/ha:

Alternanthera Pungens	Khaki Burweed
Brayulinea Densa	Carrot Weed
Oxalis Corniculata	Creeping Sorrel
Trifolium Repens	White Clover

WEED	SUPER LAWNWEEDER DOSAGE	REMARKS
CACTUS	6ℓ/100ℓ water Note: Add a non-ionic surfactant to the spray mix at 25mℓ/100ℓ water	Apply to actively growing plants free of environmental stress and dust. Use a sufficient volume of spray mix to ensure a full and even coverage of target weeds without significant run-off. IMPORTANT: A follow-up treatment 12 months after the initial treatment is advised.

WEED	SUPER LAWNWEEDER DOSAGE	REMARKS
FAMINE WEED *Parthenium hysterophorus*	750 – 1000mℓ/100ℓ water	**Application timing:** • Apply in summer during the active growing period (October – April), ideally before seed is formed, which may be within 4 weeks of germination. • Do not apply after onset of winter and/or when plants are obviously dormant. • Do not apply during periods of extreme heat, coupled with drought and/or wilting. **Target:** • Apply to the foliage of actively growing plants. **Application volume:** Apply approximately 280 – 300 ℓ/ha depending on average plant height, growth habit and plant density. **Application equipment:** Apply by means of suitable knapsack or tractor mount boom sprayer. Ensure thorough coverage of foliage but avoid run-off. **Re-growth:** Spot spraying may be necessary in the event of regrowth or to treat plants that were missed during the initial application. Use 750mℓ **SUPER LAWNWEEDER** /100ℓ water for follow-up treatments.