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

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

FLUZADE

South Africa Reg. No: L7775 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: A

An emulsifiable concentrate systemic herbicide for the selective control of annual and perennial grasses in crops as listed. It can be used to ripen or control sugarcane.

ACTIVE INGREDIENT:

Fluazifop-P-butyl (phenoxy).....125g/ℓ

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

HAZARD STATEMENTS

- Flammable liquid and vapour.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Suspected of damaging fertility or unborn child.
- May cause damage to organs through prolonged or repeated exposure
- Toxic to aquatic life with long lasting effects.



DANGER

PRECAUTIONARY STATEMENTS

- Do not handle until all safety precautions have been read and understood.
- Wash hands, forearms, and face thoroughly after handling.

enviro™ bio-chem

Registration holder: Erintrade cc t/a RT Chemicals
Co. Reg. No: CK 2001/036403/23
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Tel: +27 12 006 0063 | Fax: +27 86 541 7948
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Expiry Date:
Batch No:
Date of Manufacture:

UN No. 1993

WARNINGS:

• **Withholding Period:** The minimum number of days between the last application and harvest.

Pineapples	7 days
Lucerne and Sugarcane	14 days
All other crops	40 days

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- May cause drowsiness or dizziness.
- Suspected of damaging fertility or unborn child.
- May cause damage to organs through prolonged or repeated exposure
- Toxic to aquatic life with long lasting effects.
- Keep out of reach of children, uninformed persons and animals.
- Store under lock and key in the original container away from food and feedstuffs.
- Flammable – Do not store or handle near open flame,
- Re-entry period: Do not enter treated field within 1 day after application unless wearing protective clothing.

Aerial application: Notify all the inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water.

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 weed 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 that could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

PRECAUTIONS:

- Do not handle until all safety precautions have been read and understood
- 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 breathing dust/fumes/gas/mist/vapours/spray.
- Use outdoors or in well-ventilated area.
- Keep container tightly closed.
- Keep away from heat, hot surfaces, sparks, open fames, and other ignition sources.
- Avoid release into the environment/
- Avoid contact with eyes. In case of contact, rinse eyes thoroughly with clean water.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe dust/fumes/gas/mist/vapours/spray.
- Contaminated work clothing should not be allowed out of the workplace.

- Avoid release to the environment.
- IF exposed or concerned: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- Store in a well-ventilated place. Keep cool.
- 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.
- Dispose of contents/containers in accordance with local/regional/national regulations.

RELEVANT SUBSTANCES:

Fluazifop-P-butyl tech (87%) 12.9%
Dimethyl benzene <75%

FIRST AID TREATMENT

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SKIN CONTACT: In case of contact, Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

EYE CONTACT: Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.

INGESTION: Get medical attention immediately. Call a poison center or physician. Rinse mouth with water. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

RESISTANCE WARNING:

For resistance management, any weed population may contain individuals naturally resistant to **FLUZADE** and other herbicides from the same **group code A**. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly.
To delay herbicide resistance:
- Avoid exclusive repeated use of herbicides from the same 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 holders of this product.

USE PRECAUTIONS:

Rain or irrigation within 1 hour of application may require a repeat application.
FLUZADE has some residual action but it is advisable to apply only after the majority of grass weeds have emerged.

Do not plant maize, sorghum, wheat or any other grass crop within 3 months of a **FLUZADE** spray.

FLUZADE is not miscible with most other herbicides. When other herbicides are to be used in a programme, allow a 14 day interval between herbicide treatments. **FLUZADE** can be mixed with diuron 800SC on pineapples according to the label recommendations.

Optimum results are obtained when the target grass weeds are not suffering from stress.
Do not apply to seed sugarcane.

DIRECTIONS FOR USE: Use only as directed

Mixing Instructions:
Pre-mix the required quantity of **FLUZADE** with a small volume of clean water. Half fill the spray tank with water and add the mixture to the tank. Fill the spray tank to the desired volume. Agitate the spray solution continuously while mixing and spraying.

Dosage Rate:
FLUZADE will control any post-emerge growth stage of grass weeds. The dosage rate for seedling control is given in the tables below. Mature weeds will require an increase in dosage and a higher recommended rate should be used.

Spray Volumes:
Spray between 50 and 200ℓ/ha at a pressure of 100 - 300kPa with ground spray equipment. Ensure good droplet cover of target weeds.

Ground Application:
Use a knapsack or conventional tractor spray equipment that is correctly calibrated. Clean spray equipment thoroughly after use.

Aerial Application:
Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Remedies). It is important to ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met;

Equipment:
- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage of the target area and will ensure the minimum loss of product through drift.
- The operator must use a nozzle set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles and atomisers should be positioned within the inner 75% of the wingspan to prevent droplets from entering the wingtip vortices.

Application Parameters:
- A minimum volume of 30ℓ spray mixture per ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy nor be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended.
- A droplet coverage of 30 - 40 droplets per sq cm must be recovered at the target.
- A droplet spectrum with a VMD of 250 - 280 microns is recommended. Ensure that the production of fine droplets, with a VMD less than 150 microns, is restricted to a minimum.
- The height of the spray boom should be maintained at between 3 and 4 meter above the target.
- Do not spray when the aircraft is in a climb, at the top of a turn or during a dive or when banking.
- Apply before the crop growth becomes too dense, which will interfere with overall plant coverage.

Meteorological Conditions:
- The difference between the wet and dry bulb readings as determined by a whirling hygrometer must not exceed 8ºC.
- Do not spray under turbulent, unstable conditions or during the heat of the day when rising thermals and downdraughts occur.
- Do not spray under temperature inversion conditions (spraying in or above the inversion layer).
- Do not spray when the wind speed exceeds 15km/h.

General:
- Ensure that fields are accurately marked and that the aerial spray operator knows exactly which fields to spray.
- Obtain an assurance from the aerial spray operator that the above requirements will be met.

CROP	DOSAGE	REMARKS
Deciduous fruit Citrus Forestry Grape vines Lucerne Pineapples	2 - 4ℓ/ha	Apply when emerged grass weeds are up to the 6-leaf stage. If the weeds are at a more mature growth stage, a higher dosage will be required. Apply with ground or aerial equipment.
Onions (seedbeds and transplants)	1 - 2ℓ/ha	<u>Pineapples only:</u> diuron 800SC can be added to the spray at recommended rates.
Spot treatment on the above crops	2% solution + wetter	Apply in early summer on actively growing grass weeds using a knapsack sprayer.

<u>Sugarcane Ripening:</u>
FLUZADE can be used to ripen all sugarcane varieties.
Apply 4 to 10 weeks before harvesting. Do not apply during the months of June to September. When crop growth is rapid the time between spraying and harvesting will be shorter than when conditions are cooler and the growth is slower. The crop must be growing actively when sprayed and not suffering from nutrient, moisture or any other stress.

FLUZADE may stunt or kill young uncurled leaves and may kill growing points. Lateral buds may then develop from some top nodes. Stalk growth is restricted and some immature stalk tops may break off. This will not result in a reduction of sucrose yield provided that the recommended period between spraying and harvesting is not exceeded. Higher rates exaggerate the severity of the ripening symptoms.

VARIETIES	GROUND APPLICATION	AERIAL APPLICATION
All except N14	300mℓ/ha	330mℓ/ha
N14	400mℓ/ha	440mℓ/ha
Spray volume ℓ/ha	Knapsack with an overhead boom. 50 - 200ℓ/ha	30 - 35ℓ/ha

WEEDS CONTROLLED Rates are for seedlings up to the 6-leaf stage.	
DOSAGE	1ℓ/ha
BOTANICAL NAME	COMMON NAME
Avena Fatua	Common Wild Oats
Lolium Multiflorum	Italian Ryegrass
Phalaris Canariensis	Canary Seed Grass
Triticum Aestivum	Volunteer Wheat

DOSAGE	2ℓ/ha
Bromus Uniloides	Rescue Grass
Chloris Virgata	Feathertop Chloris
Echinochloa Colona	Awnless Barnyard Grass
Echinochloa Crus-Galli	Barnyard Grass
Eragrostis Curvula	Weeping Love Grass
Eragrostis Pilosa	Slender Meadow Grass
Eragrostis Plana	Fan Love Grass
Hordeum Murinum	Wild Barley
Panicum Maximum	Common Buffalo Grass
Paspalum Urvillei	Tall Paspalum
Rhynchelytrum Repens	Natal Redtop
Setaria Pallide-Fusca	Red Bristle Grass
Zea Mays	Volunteer Maize
DOSAGE	3ℓ/ha
BOTANICAL NAME	COMMON NAME
Digitaria Sanguinalis	Crab Finger Grass
Eleusine Indica	Goose Grass
Eragrostis Aspera	Rough Love Grass
Paspalum Dilatatum	Common Paspalum
Urochloa Panicoides	Herringbone Grass
DOSAGE	4ℓ/ha
Brachiaria Eruciformis	Sweet Signal Grass
*Cynodon Dactylon**	Common Couch
*Paspalum Paspaloides**	Couch Paspalum
Sporobulus Africanus	Ratstail Grass

* Apply to rhizomes that have been broken by cultivation. Repeat the treatment on any regrowth.