

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

Herbicide



# FLUZIE 125 EC

Reg. No. L 9460 Act No. 36 of 1947  
N-AR 2105

4:14/9/2022 – Nov2023

A post-emergence emulsifiable concentrate selective herbicide for the control of annual and perennial grasses in the crops as listed. It can also be used for the chemical ripening and eradication of sugarcane as well as the suppression of grass growth and seeding on verges.

## ACTIVE INGREDIENT

GROUP

1

HERBICIDE

fluazifop-P-butyl (aryloxyphenoxy-propionate (fops)) 125 g/l



**DANGER**

### Hazard Statements:

May be fatal if swallowed and enters airways.  
Causes mild skin irritation.  
Causes serious eye damage.  
Toxic if inhaled.  
Suspected of damaging fertility or the unborn child.  
Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
Avoid release into the environment.

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**villa**



UN Number: 2902

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1983/008184/07  
65 Botes Road, Glen Marais, Kempton Park, 1619  
Tel. (011) 396 2233  
Website: [www.villacrop.co.za](http://www.villacrop.co.za)

### 24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946

24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

DIRECTIONS FOR USE ENCLOSED

Batch Number:  
Date of Manufacture:

**FLUZIE 125 EC**

Reg. No. L 9460 Act No 36 of 1947

N-AR 2105

HRAC HERBICIDE GROUP CODE: 1

**ACTIVE INGREDIENT:**

fluzifop-P-butyl (aryloxyphenoxy-propionate (fops)) .....125 g/l

Registration holder:

**UNIVERSAL CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1983/008184/07

PO Box 801, KEMPTON PARK, 1620, Tel. (011) 396 2233

**WARNINGS****Withholding periods:**

Allow the following number of days between last treatment and harvest or use as food or feed:	
Dry beans	60 days
Lucerne and sugarcane	14 days
Medic- and clover pastures	32 days
All other crops	40 days

**IMPORTANT:** THE RECOMMENDED WITHHOLDING PERIOD BETWEEN LAST APPLICATION AND HARVEST MEETS LOCAL RESIDUE REQUIREMENTS BUT MAY NOT MEET EXPORT REQUIREMENTS. IF THE TREATED CROP IS INTENDED FOR EXPORT, CONSULT THE RELEVANT EXPORTING ORGANISATION REGARDING MRL REQUIREMENTS AND WITHHOLDING PERIODS. WHEN THIS PRODUCT IS APPLIED ACCORDING TO THE LABEL RECOMMENDATIONS INDICATED BELOW, THE LOCAL MRL WILL NOT BE EXCEEDED. UNIVERSAL CROP PROTECTION (PTY) LTD CANNOT, HOWEVER, BE HELD LIABLE FOR EXPORT CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

**Hazard statements:**

May be fatal if swallowed and enters airways.
Causes mild skin irritation.
Causes serious eye damage.
Toxic if inhaled.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life with long lasting effects.

- **FLUZIE 125 EC** has been tested on the most important commercial varieties without any phytotoxic effects. More susceptible cultivars may be released in future which will need to be tested; for this, apply **FLUZIE 125 EC** to a limited test area before commercial applications are made.
- Handle with care.
- Store in the original container in a safe place away from food and feed.
- Keep out of reach of children, animals and uninformed persons.
- **In case of poisoning, contact a doctor and show them this label.**
- **Re-entry** – Do not enter the treated area within one (1) day after application unless wearing suitable protective clothing.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over, or allow spray 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 effective under all conditions. The activity 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 weed against the remedy, 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 by 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

### Precautionary statements:

Obtain, read and follow all safety instructions before use.
Avoid breathing fumes, mists, vapours or spray.
Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED OR INHALED: Get emergency medical help immediately.
If skin irritation occurs: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
IF exposed or concerned, get medical advice.
Do NOT induce vomiting.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not smoke, eat or drink whilst handling this product or before washing hands and face and changing clothes after use.
- Prevent contamination of food, feed, drinking water as well as eating utensils.
- Whilst spraying, avoid contact with the spray as much as possible. Avoid spray drift onto other crops, grazing, rivers or dams.
- Clean the applicator thoroughly following use and dispose of the wash water where it will not contaminate crops, grazing, rivers and dams. Destroy the empty container and do not use it for any other purpose.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

Relevant hazardous components	
Fluazifop-P-butyl	125 g/l
Calcium dodecylbenzene sulphonate	< 50 g/l
Heavy aromatic hydrocarbon	< 650 g/l

## SYMPTOMS OF HUMAN POISONING

**Nausea.** Vomiting may occur with associated abdominal pain and diarrhoea. Severe poisoning may result in death from respiratory failure.

**Eyes:** May cause irritation and discomfort, tears, redness, swelling and blurred vision.

**Skin:** Should not cause prolonged skin irritation.

## FIRST AID TREATMENT

- **Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention.**
- **Skin contact:** Remove contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation occurs.**
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Seek medical attention immediately.**
- **Ingestion:** **Seek medical attention immediately** or call a poison control centre for treatment advice. **Do not induce vomiting due to the aromatic solvent.** Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

**NOTE TO PHYSICIAN**

Treat symptomatically and supportively. No specific antidote known.

**RESISTANCE WARNING**

**FLUZIE 125 EC** is a group code 1 herbicide. Any weed population may contain individuals naturally resistant to **FLUZIE 125 EC** and other group code 1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **FLUZIE 125 EC** or any other group code 1 herbicide.

To delay herbicide resistance:

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

The presence of resistant weeds is difficult to detect prior to use and therefore neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **FLUZIE 125 EC** not controlling resistant weeds. Do not apply **FLUZIE 125 EC** in situations where weed resistance has been confirmed. Sub-standard application of **FLUZIE 125 EC** will lead to inferior weed control and may assist in the development of herbicide resistance.

**Mode of action:**

**Fluazifop-p-butyl** is quickly absorbed through the leaf surface, hydrolysed to **Fluazifop-p** and translocated through the phloem and xylem, accumulating in the rhizomes and stolons of perennial grasses and the meristems of annual and perennial grasses.

**USE RESTRICTIONS**

- Do not plant maize, sorghum, wheat or any other grass crop on treated soil within a period of three (3) months after application of **FLUZIE 125 EC**.
- Do not apply **FLUZIE 125 EC** to any crop or situation not mentioned in this label.

**DIRECTIONS FOR USE: Use only as directed.**

- **FLUZIE 125 EC** is a selective post-emergence grass herbicide and may be applied at any stage of the crop and weed development. However, the later growth stages of grass weeds may require a higher dosage for acceptable control.
- Although **FLUZIE 125 EC** has some residual action, it is advisable to wait until the majority of the grass weeds have germinated before application.
- **Rain or irrigation within one hour after the application of FLUZIE 125 EC may necessitate a second spray.**
- Although the observable effect of application may not be seen for up to three (3) weeks after spraying, **FLUZIE 125 EC** does cause the immediate cessation of cell division in the plant and therefore in growth. The addition of a wetter is not necessary unless the concentration is below 1 litre per 200 litres water.
- 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 and that the relevant data will be recorded in a log book and kept for future.

**Compatibility:**

**FLUZIE 125 EC** is not compatible with most other herbicides and any form of **Dimethoate** due to an adverse effect on activity. Where two herbicides must be applied, they have to be applied separately with at least a 14-day interval except in the following cases:

**Grass suppression:**

- Different types of grass react differently to a particular rate of **FLUZIE 125 EC**; therefore, it is necessary to experiment with the dosage rate within the recommended limits. Higher dosage rates may cause a temporary browning effect while the period of suppression will be shorter at lower dosage rates.
- Repeated application of **FLUZIE 125 EC** may result in the multiplication of broadleaf weeds because the competition with grasses is reduced.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Universal Crop Protection (Pty) Ltd accepts no responsibility

for any negative effects experienced if the instructions on this label are not adhered to, unless a Universal Crop Protection representative was consulted beforehand.

#### Climatic Conditions:

- **FLUZIE 125 EC** should be applied when weeds are actively growing, under favourable conditions.
- Warm, humid conditions are advantageous for good weed control with **FLUZIE 125 EC**.
- **FLUZIE 125 EC** should not be applied when crops and weeds are under drought stress or cold temperatures, when poor or no weed control will result.

#### Crop Susceptibility:

- The presence of *Pseudomonas* leaf spot in green bean cultivars, especially when planted early (i.e. September – October), is aggravated when **FLUZIE 125 EC** is sprayed onto the plants.
- The following cultivars are especially prone to *Pseudomonas* leaf spot if planted early in the summer: Slenderette, Top Crop, Winter Green and Harvester.
- On dry beans necrosis occurs on the Brown Harricot and Speckled sugar beans cultivars.
- **Do not** apply **FLUZIE 125 EC** to sugarcane which is intended for use as seedcane.

#### Sugarcane Ripening:

- **FLUZIE 125 EC** stunts or kills young, uncured leaves and may also kill the growing point.
- Lateral buds then develop from a few top nodes.
- Stalk growth is restricted and the unwanted, immature tops of some of the stalks may eventually break off. This will not result in the reduction of the sucrose yield as compared to untreated, commercially harvested crops as long as the recommended period between spraying and harvesting is not exceeded.
- The higher rates of **FLUZIE 125 EC** within the recommended range exaggerate the ripening symptoms.
- **FLUZIE 125 EC** thins out the crop canopy and results in a better crop burn.
- All varieties respond to **FLUZIE**.

#### Sugarcane Eradication:

- Spray actively growing sugarcane in the spring or summer when the sugarcane is at least 450 mm tall and fully (or almost fully) tillered.
- Apply in 200 to 300 litres of water per hectare and ensure thorough coverage of all of the green foliage.
- Do not add a wetting agent, or mix **FLUZIE 125 EC** with any other chemicals.
- On soils with a clay content of greater than 8 %, do not disturb the soil and do not plant within 28 days of application. **Only** NCO 376 plantings are recommended.
- On soils with a clay content of less than 8 %, do not disturb the soil and do not plant within 56 days of application. **Only** NCO 376 plantings are recommended.
- Some sugarcane re-growth may occur, which can be mechanically removed.
- If broadleaf weeds are a problem, they can be eradicated after planting with a herbicide spray such as **SCORCHER 200 SL** (L 9085 / N-AR 1593).

#### APPLICATION METHODS

- Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application.
- **FLUZIE 125 EC** can be applied by ground rig, aircraft or knapsack sprayer (spot treatment)
- Use only clean water and equipment operating at pressures of 100 to 300 kPa.
- Do not apply **FLUZIE 125 EC** if rain is expected within one hour.

#### 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 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 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.

#### **Application Parameters**

- A minimum volume of 35 litres spray mixture per hectare 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 to 45 droplets per square cm must be recovered at the target.
- A droplet spectrum with a VMD of 300 to 350 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 metres 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.

#### **Meteorological Conditions**

- The difference between the wet and dry bulb readings, as determined using a whirling hygrometer, must not exceed 8 °C. The addition of a suitable anti0evaporant is recommended if the VMD of the droplets is less than 200 to 250 microns.
- 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) and/or high humidity conditions as this may cause:
  - i. Reduced efficacy due to suspension and evaporation of small droplets in the air (which leads to inadequate coverage).
  - ii. Damage to other sensitive crops and/or non-target areas through drifting of the spray cloud away from the targeted area.
- Do not spray when the wind speed exceeds 15 km per hour.

#### **APPLICATION RATES**

<b>Crop</b>	<b>Dosage rate ℓ/ha</b>	<b>Remarks</b>
<b><u>As a grass herbicide:</u></b> Brussels sprouts Carrots Deciduous fruit Dry beans Forestry Grape vines Ground nuts Lucerne Peas	*2.0 to 4.0 ℓ	Apply at an early post-emergence stage to seedlings up to the 6-leaf stage of development.  (See A< B, C, and D below).  If <b>FLUZIE 125 EC</b> is sprayed at a later stage or if the weeds are physiologically far advanced, a higher dosage rate may be required.
Green beans, Medic Clover pastures Onions (seedbed and transplanted)	*1.0 to 2.0 ℓ	
Spot treatment in the above crops	2.0 % <b>FLUZIE 125 EC</b> mixture <b>PLUS</b> a suitable wetter	Apply early in the summer on active growth using a knapsack sprayer. This treatment should control the grasses listed and also suppress <b>Common couch</b> ( <i>Cynodon dactylon</i> ) and <b>Couch paspalum</b> ( <i>Paspalum paspalodes</i> ) (See the weed species list A, B, C and D below.

**\*See weed Species List A, B, C and D.**

<b>Crop</b>	<b>Dosage rate ℓ/ha</b>	<b>Remarks</b>
<b><u>As a sugarcane ripener:</u></b> <b><u>Ground application:</u></b> All varieties except N14	300 mℓ	Apply by knapsack with overhead boom in 50 to 200 litres of water per hectare.
Variety N14	400 mℓ	See notes.
<b><u>Aerial application:</u></b> All varieties except N14	330 mℓ	Apply in 30 to 35 litres of water per hectare.
Variety N14	440 mℓ	See notes
<b><u>Sugarcane eradication:</u></b> <b><u>Ground application:</u></b> (for conservation tillage) Variety NCO 376 plantings	6.0 ℓ	See notes

**Timing when using FLUZIE 125 EC as a ripener:**

- Apply 4 to 10 weeks before harvest.
- Do not apply during June to September.
- When the crop growth is rapid, the time between spraying and harvesting will be shorter than when conditions are cooler and the growth is slower.
- Crops must be actively growing when sprayed and must not be suffering from nutrient, moisture or any other stress factor.

<b>Crop</b>	<b>Dosage rate ℓ/ha</b>	<b>Remarks</b>
<b>As a growth inhibitor on verges, roadsides, orchards and waterways.</b>	500 to 750 mℓ	Slash the grass to the preferred length and apply in 250 to 300 litres of water per hectare. Ensure sufficient leaf surface for good foliar uptake. Repeat when necessary.

**WEED SPECIES NORMALLY CONTROLLED:**

	<b>Application rates</b>	<b>Growth stage of grass weed at application</b>	<b>Botanical name</b>	<b>Common name</b>
<b>A</b>	1.0 ℓ/ha	Seedlings up to the 6 leaf stage.	<i>Avena fatua</i> <i>Lolium multiflorum</i>	Common wild oats Italian Ryegrass
<b>B</b>	2.0 ℓ/ha	Seedlings up to the 6 leaf stage.	<i>Bromus unioloides</i> <i>Echinochloa crus-galli</i> <i>Setaria pallide-fusca</i> <i>Zea mays</i>	Rescue grass Barnyard grass Red bristle grass Volunteer maize
<b>C</b>	3.0 ℓ/ha	Seedlings up to the 6 leaf stage.	<i>Digitaria sanguinalis</i> <i>Eleusine indica</i> <i>Paspalum dilatatum</i> <i>Urochloa panicoides</i>	Crab finger-grass Goose grass Common paspalum Herringbone grass
<b>D</b>	4.0 ℓ/ha	--	<i>Brachiaria eruciformis</i> <i>Cynodon dactylon</i> * <i>Paspalum paspaloides</i> *	Sweet signal grass Common couch

\*Apply only to rhizomes that have been broken by cultivation. Repeat the treatment on any re-growth which may occur.

**SCORCHER 200 SL** is a registered product of **Universal Crop Protection (Pty) Ltd**