

Muscle-Up[®] Fizz

500 ST



Reg. No. L11358 Act No. 36 of 1947

READ LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

HRAC HERBICIDE GROUP CODE 9

Muscle-Up[®] Fizz 500 ST a water-soluble tablet, non-selective systemic herbicide with little or no soil activity, for post-emergence control on annual and perennial weeds.



DANGER

HAZARD STATEMENTS:

Causes skin irritation.
Causes serious eye damage.
Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Wash hands and affected area thoroughly after handling. Do not touch eyes.
Avoid release to the environment.

ACTIVE INGREDIENT

Glyphosate (glycine a.e) 500 g/kg

(Glyphosate sodium salt) 588 g/kg

Contents **300g**



Registered, Manufactured and Distributed by: Rolfes Agri (Pty) Ltd.
(Reg. No. 1998/013411/07) • 288 Mundt Street, Walthio, 0184
Gauteng, RSA. • Tel: (012) 803-0145

Emergency contact details

Office Hour Poisoning Helpline
Rolfes Agri (Pty) Ltd.
Tel: +27 (12) 803 0145

Spill Response and Transpot incidents

Spill Tech, Oil and chemical pollution control
Tel: +27 (86) 100 0366 / +27 (83) 253 6618
www.spilltech.co.za

Store at room temperature • Keep out of direct sunlight
Keep container closed when not in use



WARNINGS:

- Re-entry interval: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 weed 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:

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read carefully and follow all instructions.
- Wash hands and affected area thoroughly after handling. Do not touch eyes.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection.
- IF ON SKIN: Wash with plenty of water.
- IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see first aid on this product label)
- If skin irritation occurs: Get medical help.
- Take off contaminated clothing and wash it before reuse.
- Collect spillage.
- Empty all contents from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds. Puncture the rinsed container to render it useless and send to a recycler.
- Avoid spray drift onto other crops, grazing, rivers, dams, and areas not under treatment.
- The tablets are hygroscopic; keep it dry. Store the tablets in well-sealed containers. When moisture is absorbed, it can result in a physical change such as increased volume.
- Prevent contamination of food, feed, drinking water and eating utensils.

RELEVANT SUBSTANCES:

Sodium Benzene Sulfonate <10%, Glyphosate Acid 30 to 60% and Poly Alkyl Glucoside <10%

RESISTANCE WARNING:

For resistance management, **MUSCLE-UP FIZZ 500 ST** is a group code G herbicide. Any weed population may contain individuals naturally resistant to **MUSCLE-UP FIZZ 500 ST** and other group code G herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **MUSCLE-UP FIZZ 500 ST** or any other group code G herbicides.

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 programs.

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

USER RESTRICTIONS:

- Avoid the use of muddy water, or water with a high colloidal content derived from soils high in organic matter.
- **MUSCLE-UP FIZZ 500 ST** should be applied to young (before flowering stage), actively growing weeds that are not dormant or under temperature or moisture stress
- **MUSCLE-UP FIZZ 500 ST** is actively absorbed through leaves and immature bark of most plants and trees. Contact with immature bark, such as in trees younger than three years, can result in serious localized or translocated damage. Therefore, contact with leaves, green or immature bark and fruit of **DESIRED** plants, whether direct or by spray drift must be **AVOIDED**. Always make sure that **ONLY UNDESIRED** plants are treated.
- **DO NOT** spray onto pruned vines or fruit trees until wounds have sealed properly
- Rain or irrigation a few days prior to a **MUSCLE-UP FIZZ 500 ST** application ensures that weeds are actively growing, resulting in optimum efficacy. Rain or irrigation within 6 hours of application can reduce **MUSCLE-UP FIZZ 500 ST** efficacy. **DO NOT** spray on weed foliage covered with a layer of dust or any water droplets

DIRECTIONS FOR USE: Use only as indicated.

- Always ensure that spray equipment is clean, and correctly calibrated before spraying.
- **MUSCLE-UP FIZZ 500 ST** is a non-selective systemic herbicide and is only active when applied to the green foliage and bark of plants. The visible effect of **MUSCLE-UP FIZZ 500 ST** on treated foliage usually appears at 10 – 14 days after treatment but may vary according to weather conditions.
- **MUSCLE-UP FIZZ 500 ST** has NO pre-emergence activity; therefore, repeat applications are necessary when applied on its own to control weeds germinating from seed. Ensure that target weeds are fully exposed to the **MUSCLE-UP FIZZ 500 ST** spray.

COMPATIBILITY

- **MUSCLE-UP FIZZ 500 ST** already contains ammonium sulphate and the additional addition thereof is not required.
- Read all labels carefully. It is advisable to do a miscibility test prior to mixing with other chemicals. Check with your supplier before tank mixing.

MIXING INSTRUCTIONS:

- Fill the spray tank / knapsack sprayer with clean water, ensure agitation and add one 300 g tablet to 15 ℓ of water
- **WAIT** until the tablet has dissolved completely before starting to spray. This will take approximately 8 minutes. But can vary depending on water temperature and quality of water. Agitation of the water will speed up the process.
- When using tank mixtures, the additional herbicide should be added after **MUSCLE-UP FIZZ 500 ST**.
- Always ensure agitation during spraying.

APPLICATION:

- **MUSCLE-UP FIZZ 500 ST** can be applied with conventional ground equipment i.e. tractor mounted booms, knapsack, etc.
- Optimum spray deposits are obtained with ground equipment calibrated to spray 150 – 200 ℓ / ha with suitable nozzles to ensure adequate coverage
- Remove sediments from spray tanks before adding **MUSCLE-UP FIZZ 500 ST**.
- Always ensure that the spray applicators are clean and free of rust and dust.
- Always ensure that spray equipment is calibrated and in good working order.
- Ensure good and even coverage of the target weeds with the spray droplets.
- Use low spray pressure (100 – 200 kPa) or designed low drift nozzles (e.g. air induction type nozzle) to avoid spray drift

APPLICATION RATES:

MUSCLE-UP FIZZ 500 ST will control most emerged annual weeds germinating from seed in situations such as fallow land, pre-plant of crops, reduced or conservation tillage, perennial vine and tree crops. The dosage rate applied will depend on the weed growth stage – the higher recommended dosage rate should be used on older and more established weeds.

WEED TYPE	WEED GROWTH STAGE	DOSAGE PER HA	REMARKS	DOSAGE PER 15 ℓ KNAPSACK SPRAY
ANNUAL WEEDS	Seedlings and established plants	5 - 10 Tablets	Use the lower rate for seedlings and young plants	1 Tablet
PERENNIAL WEEDS	Young and established plants	7 - 10 Tablets	Use the lower rate for seedlings and young plants	1 Tablet
WEEDS IN NON CROP AREAS	Established plants	10 - 12 Tablets	Use the lower rate for seedlings and young plants	1 Tablet