



# Strike-Down

Reg. No. L9007 Act No. 36 of 1947

**HRAC HERBICIDE GROUP CODE G+O**

A water soluble granule, non-selective systemic herbicide, for the post-emergent control of annual weeds as listed.

**Active Ingredient:**

Glyphosate (glycine)	360 g ae/kg
(Glyphosate Sodium salt)	407 g/kg

MCPA (phenoxy acetic acid)	133 g/kg
(MCPA Sodium Salt)	148 g/kg



Registered, Manufactured and Distributed by:  
**Rolfes Agri (Pty) Ltd.**  
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IN CASE OF POISONING PLEASE PHONE 082 466 8946

**UN NO.: 3077**

SEE CONTAINER FOR BATCH DETAILS

COUNTRY OF ORIGIN: REPUBLIC OF SOUTH AFRICA

VERSION ROLFES AGRI: 01/2020



**HARMFUL**



LIFT HERE

#### WARNINGS:

- Poisonous if swallowed.
- Irritating to eyes and skin.
- Store in a cool, dry place away from food, feed, fertiliser and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry interval: Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **Aerial application:** Not recommended.
- Do not spray over adjacent areas or water nor allow spray to drift there.
- Avoid spray drift onto susceptible crops (all broadleaf crops and grain varieties in a susceptible stage of growth).

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:

- Do not inhale spray mist.
- Avoid skin and eye contact when mixing the product.
- Wash with soap and water after use and accidental skin contact. Wash contaminated clothing daily.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and change of clothing.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Clean applicator after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- This applicator should not be used for applying chemicals other than herbicides. Clean applicator with a household ammonia solution (1 %) before using with other herbicides. Let solution stand for several hours (preferably overnight). Rinse at least twice.
- Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing or spray tank before destroying the empty container.
- Destroy the empty container by perforation and do not use for any other purpose.
- At high concentrations foaming may be experienced. This can be overcome by adding an antifoaming agent to the spray solution.

#### SYMPTOMS OF HUMAN POISONING:

Harmful: Over-exposure to or swallowing of product may cause nausea, vomiting, excessive sweating, headaches, muscle soreness, abdominal pain and loss of coordination. May also cause burning of mouth, throat and oesophagus.

#### FIRST AID TREATMENT:

**Inhalation:** Remove person to fresh air as soon as possible and remove source of contamination. Keep person warm and at rest. Treat symptomatically and supportively. Only qualified medical personnel should perform administration of oxygen. Get medical attention immediately if condition persists.

**Skin contact:** If irritation occurs, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts). Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Do not rub the skin. If irritation persists, seek medical advice immediately.

**Eye contact:** Check for contact lenses and remove if present. Immediately flush eyes with gently flowing lukewarm water for 15 minutes or until the product is removed, holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Seek medical attention immediately.

**Ingestion:** Have patient rinse mouth thoroughly with water. Do not induce vomiting. If person is alert and conscious, give 2 to 3 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

#### NOTE TO PHYSICIAN:

This product contains a phenoxy herbicide. There is no antidote available. Treat symptomatically and supportively. Gastric lavage with activated charcoal is advised. Follow up with saline cathartic laxative. Avoid oily laxatives.

#### Resistance Warning:

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

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

#### DIRECTIONS FOR USE: Use only as indicated.

- The efficacy of **STRIKE-DOWN** is significantly improved when used in combination with **\*POWER-UP®**. Use only clean water in spray mixture, and add **\*POWER-UP®** according to label recommendations before adding **STRIKE-DOWN** to the spray water.
- The visible effect of **STRIKE-DOWN** on treated foliage usually appears after 10–14 days of treatment, but may vary depending on weather conditions and weed species.
- **STRIKE-DOWN** is a non-selective systemic herbicide and is only active when applied at the recommended rates to the green foliage and green stems of the target plants.
- **STRIKE-DOWN** should be applied to actively growing weeds that are not dormant or under temperature or moisture stress. Ensure full and even coverage onto target weeds (refer to growth stage of weeds under recommendations).
- Do not spray whilst weeds are wet, dormant, under stress or covered in a layer of dust or silt or when damaged by frost.
- Rain or irrigation within 4–6 hours of application can reduce the effectiveness of **STRIKE-DOWN**.
- Pre-plant weed control on sandy soil (<10 % clay) should take place at least 7 days before transplanting tomato or tobacco seedlings.

### MIXING INSTRUCTIONS:

Half fill the spray tank with clean water. Add the required quantity of \*POWER-UP® and then STRIKE-DOWN while agitating. Fill spray tank to the required volume with clean water. When using tank mixes, follow the respective manufacturers' label recommendations. It is recommended that STRIKE-DOWN be added before the additional products, if tank mixtures are used. Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight. Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

### COMPATIBILITY:

The compatibility of STRIKE-DOWN with other products depends on the formulations of the respective products, as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

### APPLICATION:

- Always ensure that spray equipment is clean, and correctly calibrated under field conditions before spraying to ensure even and accurate application.
- Use low spray pressure (100 – 200 kPa) to avoid spray drift.
- Constant agitation throughout the spray operation is essential.
- Avoid the use of hard or muddy water, or water with a high colloidal content derived from soils high in organic matter.
- Ensure a fine even droplet distribution and thorough coverage of target weeds.

### GROUND APPLICATION:

Conventional ground equipment such as knapsack sprayers and tractor-mounted booms may be used. Equipment should be calibrated to spray 200 – 250 ℓ / ha to ensure optimum spray deposits. Where spray drift is a problem, use low drift nozzles and/or keep pressure below 200 kPa (2 bar). Avoid fine droplet size. Do not apply if wind speed exceeds 15 km per hour. Do not exceed spray height of 75 cm above target and ground speed of 10 km per hour. The difference between the wet and dry bulb readings on a whirling hygrometer must not exceed 8 °C.

### RECOMMENDATIONS:

- Dosage rate per ha (Pre-plant burn down): Apply 3 kg / ha STRIKE-DOWN as a pre-plant burn down treatment of annual weeds. Always add \*POWER-UP® as a 1 % solution to the spray mixture.
- Apply when weeds are young and actively growing during the shoot and stem elongation stage. The efficacy of the pre-plant burn down application can be less effective if the application takes place when seed formation or flowerbuds / inflorescence are visible.
- STRIKE-DOWN can also be applied as a burn down treatment of weeds in orchards. The application is recommended before the spring flush as to avoid contact with leaves or any green material of the tree / plant. With regards to citrus, the application is a directed spray under the canopy of the tree so as to avoid direct contact with the lower leaves.
- Dosage rate (Orchards) (based on 200 ℓ / ha): Apply STRIKE-DOWN at a 1,5 % spray solution (1,5 kg of STRIKE-DOWN in 98,5 litres of water = 100 litre spray solution). Always add \*POWER-UP® as a 1 % solution to the spray mixture.

### SOME WEED SPP NORMALLY CONTROLLED BY STRIKE-DOWN - POST EMERGENCE ONLY:

ANNUAL GRASSES:	
<i>Amaranthus hybridus</i>	Common pigweed
<i>Bidens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
** <i>Commelina benghalensis</i>	Wandering Jew
** <i>Cyperus esculentus</i>	Yellow nutsedge
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Common thorn apple
<i>Ipomoea purpurea</i>	Common morning glory
<i>Portulaca oleracea</i>	Purslane
<i>Richardia brasiliensis</i>	Mexican richardia
<i>Schukhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Tall Khakiweed
<i>Tribulus terrestris</i>	Devil's thorn
<i>Eleusine coracana</i>	African goosegrass
<i>Dactyloctenium aegyptium</i>	Crowfoot grass
<i>Digitaria sanguinalis</i>	Crab finger-grass

\*\* Refer: At the recommended rate, only suppression is expected of the mentioned weeds.

STRIKE-DOWN may also control other weeds that were not present during the development trials of the product. Rolfe's Agri (Pty) Ltd does not accept any responsibility for unlisted weeds.

\*POWER-UP® (Ammonium-sulphate, 562 g ai / ℓ) is a registered trademark of Rolfe's Agri (Pty) Ltd, Reg No. L6463 Act No. 36 of 1947.