

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



Herbicide

# MICRA 750 WDG

Reg. No. L 9107 Act No. 36 of 1947

3: 19/01/2023 – April 2024

A water dispersible granule herbicide for the control of weeds in crops as indicated.

## ACTIVE INGREDIENT

isoxaflutole (isoxazole)

750 g/kg

GROUP

27

HERBICIDE



WARNING

### Hazard Statements:

Maybe harmful if swallowed.  
Maybe harmful in contact with skin.  
Causes mild skin irritation.  
Causes serious eye irritation.  
Suspected of damaging fertility or the unborn child.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Wash hands thoroughly after handling. Do not touch eyes  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
IF exposed or concerned, get medical advice.

kg



UN Number: 3077

Registration holder: VILLA CROP PROTECTION (PTY) LTD.  
Co. Reg. No.1992/002474/07  
P.O. Box 10413, Aston Manor, 1630  
Tel. (011) 396 2233  
Website: [www.villacrop.co.za](http://www.villacrop.co.za)

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:  
Griffon Poison Information Centre (National): +27 82 446 8946  
Poison Information Helpline (National): +27 861 555 777  
24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:  
Date of Manufacture:

**MICRA 750 WDG**  
**Reg. No. L 9107 Act No. 36 of 1947**  
**HRAC HERBICIDE GROUP CODE: 27**

**ACTIVE INGREDIENT:**

isoxaflutole (isoxazole) .....750 g/kg

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**WARNINGS****Hazard statements:**

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|---|
| Maybe harmful if swallowed.                           |
| Maybe harmful in contact with skin.                   |
| Causes mild skin irritation.                          |
| Causes serious eye irritation.                        |
| Suspected of damaging fertility or the unborn child.  |
| Very toxic to aquatic life with long lasting effects. |

- Handle with care.
- Store away from food, feeds, seeds, fertilizers and other agricultural chemicals.
- Keep out of the reach of children, animals and uninformed persons.
- Re-entry: Do not enter treated area within one hour after treatment unless wearing protective clothing.

**Although this product 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 climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the 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****Precautionary statements:**

|  |
|--|
| Obtain, read and follow all safety instructions before use.  |
| Wash hands thoroughly after handling. Do not touch eyes.   |
| Avoid release into the environment.  |
| Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  |
| IF SWALLOWED: Get medical help.  |
| IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| If exposed or concerned, get medical advice.   |
| If skin irritation occurs: get medical help.   |
| If eye irritation persists: Get medical help.  |
| Collect spillage.  |
| Store locked up.   |
| Dispose of content/container to suitable landfill in accordance with local regulations.  |

- Avoid inhalation of the spray mist.
- Avoid contact with eyes and skin.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face or change of clothing.

- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment and to nearby water sources.
- Clean the applicator before using with other products - dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Prevent contamination of food, feeds, drinking water and eating utensils.

| <b>Relevant hazardous components</b> |                 |
|--------------------------------------|-----------------|
| <b>Isoxaflutole</b>                  | <b>750 g/kg</b> |
| Rhodia L-WET/P                       | < 25 g/kg       |

### **FIRST AID TREATMENT**

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure and consult a doctor.

- **Inhalation:** If dusts or mists have been inhaled and irritation has developed, remove the source of contamination or move victim to fresh air. Keep the patient warm and at rest. **If symptoms persist, obtain medical attention.**
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently with non-abrasive soap and large amounts of water for 15 to 20 minutes. **If irritation persists, obtain medical attention.**
- **Eye:** Immediately flush the contaminated eyes slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. **Obtain immediate medical attention if irritation persists.**
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. **Do not induce vomiting.** Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

### **NOTE TO PHYSICIAN**

Treatment is otherwise controlled by removal of exposure followed by symptomatic and supportive care. No specific antidote known

**Mode of Action: MICRA 750 WDG** is a selective, systemic herbicide, absorbed by roots and foliage, translocated in the phloem and xylem. It metabolises in plants and soil to open the isoxazole ring and form a diketone nitrile, the biologically active species. It also inhibits 4-hydroxyphenylpyruvate dioxygenase (HPPD), resulting in blockage of plastoquinone biosynthesis and, ultimately, carotenoid biosynthesis.

### **RESISTANCE WARNING**

**MICRA 750 WDG** is a group code 27 herbicide. Any weed population may contain individuals naturally resistant to **MICRA 750 WDG** and other group code 27 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **MICRA 750 WDG** or any other group code 27 herbicide.

To delay herbicide resistance:

- avoid exclusive repeated use of herbicides from the same herbicide 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 holder of this product.

### **USE RESTRICTIONS**

- **Waiting periods\* for follow-up crops:**

- Sugarcane      None
- Maize            6 months
- All other crops 12 months

(\* These waiting periods are only valid if the correct dosage rate of has been applied according to the soil type, and average or above-average rainfall occurred during and after the season that this product has been applied. It is recommended to do a test planting prior to planting a new crop.)

- **Cultivar selectivity:**

Although no significant phytotoxicity in the form of yield reduction has been recorded under normal growing conditions during the development of **MICRA 750 WDG**, this does not mean that a more sensitive cultivar might not be commercialized in the future. Where a new cultivar is grown, large areas should not be sprayed without prior testing of **MICRA 750 WDG** on that cultivar.

- Tank mixes standing for long periods of time can result either in chlorosis of the sugarcane (if sprayed onto the foliage) or reduced residual efficacy, or both.

- Application of the higher recommended rates can induce marginal chlorosis, but which is transient in nature without an effect on the yield.
- Sugarcane under any form of stress is more likely to display marginal chlorosis following application of **MICRA 750 WDG**. The greater and more sustained the stress factor, the longer it will take for the plant to outgrow the symptoms.
- The use of **MICRA 750 WDG** on newly limed soil can cause crop chlorosis.
- Where application is done onto soils which expand when wetted, and crack or crumble upon drying, **MICRA 750 WDG** may remain active in the soil for longer periods than indicated above. Therefore, do not apply **MICRA 750 WDG** on such soils if it is planned to plant crops sensitive to isoxazole- in the foreseeable future.
- Avoid double application such as overlapping spray swaths.
- Do not use on stony soil.
- Do not use on plant cane.
- Do not use on soils containing less than 10 % clay.
- Efficacy may be reduced when **MICRA 750 WDG** is mixed with water containing high levels of chlorine.
- Do not add any adjuvants to the spray mixture.

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

**General information:**

- **MICRA 750 WDG** applied pre-emergence on its own is absorbed by the roots of germinating weeds and application must therefore be done onto clean, cultivated soil before emergence of weeds. Application should preferably be performed onto moist soil and rain or irrigation is required within one week after application to obtain best results.
- **MICRA 750 WDG** may also be applied post-emergence of weeds in tank mixtures with other registered herbicides. Weeds must be actively growing and at the correct growth stage for best results.

**Compatibility:**

**MICRA 750 WDG** is compatible with **Develop 800 WDG**. The compatibility of **MICRA 750 WDG** with other products may be influenced by various factors such as water quality and formulation properties of other products. If tank mixtures are made with other products, first confirm compatibility by mixing small volumes of the products in the correct ratio with the appropriate quantity of water.

**Mixing instructions:**

- Half fill the spray tank with clean water and ensure agitation.
- Mix the required quantity of **MICRA 750 WDG** in a small quantity of water to make a smooth cream.
- Add this to the spray tank and fill with water to the required final volume.
- Maintain continuous suspension in the spray tank by means of proper agitation.
- For tank mixtures follow the same procedure, adding the other diluted herbicide when the spray tank is nearly full.
- Prepared spray mixtures must not be left in the spray tank for any length of time, e.g. overnight.

**Application:**

- Apply in 100 to 400 litres water per hectare.
- Apply onto a clod-free surface. If dry weather conditions prevail after application, deep germinating weeds may germinate and develop. Under such conditions, use an appropriate post-emergence herbicide.
- Apply by means of a calibrated tractor-mounted boom sprayer or knapsack sprayer, in good working order, equipped with flat fan nozzles, which delivers 100 to 400 litres spray mixture per hectare.

**APPLICATION RATES**

Refer to “USE RESTRICTIONS” and “DIRECTIONS FOR USE” above.

| <b>Crop</b>   | <b>Dosage rate<br/>g or kg / ha</b>   | <b>Remarks</b>  |
|---|---|---|
| <b>Sugarcane</b><br>(Ratoon cane)<br><br>Pre-emergence control of broadleaf and grass weeds | <u>Light soils (10 % to 25 % clay):</u><br>100 to 150 g<br><br><b>PLUS</b><br><br>2.0 kg / ha <b>Develop 800 WDG</b>  | Apply as a pre-emergence treatment from spiking until 4-leaf stage of the cane.<br><br>Use the higher dosage rate on heavier soils in the clay percentage range, and/or where greater weed pressure is anticipated. |
|   | <u>Medium soils (25 % to 35 % clay):</u><br>150 to 200 g<br><br><b>PLUS</b><br><br>2.0 kg / ha <b>Develop 800 WDG</b> |   |
|   | <u>Heavy soils (36 % + clay):</u><br>200 to 250 g<br><br><b>PLUS</b><br><br>2.0 kg / ha <b>Develop 800 WDG</b>        |   |

**WEED SPECIES NORMALLY CONTROLLED****Broadleaf weeds**

|                                   |                               |
|-----------------------------------|-------------------------------|
| <i>Ageratum conyzoides</i>        | Invading Ageratum             |
| <i>Amaranthus deflexus</i>        | Perennial pigweed (from seed) |
| <i>Amaranthus hybridus</i>        | Cape pigweed                  |
| <i>Amaranthus spinosus</i>        | Thorny pigweed                |
| <i>Amaranthus thunbergii</i>      | Red pigweed                   |
| <i>Bidens bipinnata</i>           | Spanish blackjack             |
| <i>Apium leptophyllum</i>         | Wild celery                   |
| <i>Bidens pilosa</i>              | Blackjack                     |
| <i>Chenopodium album</i>          | White goosefoot               |
| <i>Chenopodium carinatum</i>      | Green goosefoot               |
| <i>Conyza</i> spp.                | Horseweed                     |
| <i>Datura ferox</i> *             | Large thorn apple             |
| <i>Datura stramonium</i> *        | Thorn apple                   |
| <i>Euphorbia hirta</i>            | Red milkweed                  |
| <i>Flaveria bidentis</i> *        | Smelter's bush                |
| <i>Gnaphalium luteo-album</i>     | Jersey cudweed                |
| <i>Gnaphalium pennsylvanicum</i>  | Gnaphalium                    |
| <i>Hibiscus trionum</i>           | Bladderweed                   |
| <i>Hypochoeris radicata</i>       | Hairy wild lettuce            |
| <i>Parthenium hysterophorus</i> * | Demoina weed                  |
| <i>Portulaca oleracea</i>         | Purslane                      |
| <i>Richardia brasiliensis</i>     | Tropical Richardia            |
| <i>Schkuhria pinnata</i>          | Dwarf marigold                |
| <i>Senecio madagascariensis</i> * | Ragwort                       |
| <i>Sesamum triphyllum</i>         | Wild sesame                   |
| <i>Sida cordifolia</i>            | Heartleaf Sida                |
| <i>Solanum nigrum</i>             | Nightshade                    |
| <i>Tagetes minuta</i>             | Khaki weed                    |
| <b>Grass weeds</b>                |                               |
| <i>Chloris virgata</i>            | Feather to chloris            |
| <i>Digitaria sanguinalis</i>      | Crab fingergrass              |

|                                 |                            |
|---------------------------------|----------------------------|
| <i>Digitaria ternata</i>        | Black seed finger grass    |
| <i>Eleusine indica</i>          | Goose grass                |
| <i>Panicum maximum</i>          | Common buffalo grass       |
| <i>Panicum schinzii</i>         | Sweet buffalo grass        |
| <i>Paspalum dilatatum</i> *     | Common Paspalum            |
| <i>Urochloa mosambicensis</i> * | Bushveld herringbone grass |

\* Later flushes of these weeds may not be controlled adequately.

The following product mentioned in this label may be replaced with the equivalent product:

- **DEVELOP 800 WDG** (L 9109) = **EXTEND 800 WDG** (L 9108 / W1301047) (**Diuron**).

**DEVELOP 800 WDG** is a registered product of  
**VILLA CROP PROTECTION (PTY) LTD.**

**EXTEND 800 WDG** is a registered product of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**