

# Herbicide



# TRISMIC 750 WDG

Reg. No. L 11481 Act No. 36 of 1947

2: 18/09/2025- Jan2026

A water dispersible granule herbicide used for the selective post-emergence control of broad leaf weeds in wheat and barley.

## ACTIVE INGREDIENT

tribenuron-methyl (sulfonyl urea) 750 g/kg



### WARNING



#### Hazard Statements:

Causes mild skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause damage to organs  
(indication not necessary according to  
RAC) through prolonged or repeated  
exposure (oral).  
Very toxic to aquatic life.  
Very toxic to aquatic life with long  
lasting effects.

#### Precautionary Statements:

IF ON SKIN: Wash with plenty of  
water and non-abrasive soap.  
IF IN EYES: Rinse cautiously  
with water for several minutes.  
Remove contact lenses, if  
present and easy to do. Continue  
rinsing.  
Avoid release to the environment.

kg

**villa**  
UN Number: 3077

DIRECTIONS FOR USE ENCLOSED  
Batch Number: \_\_\_\_\_  
Date of Manufacture: \_\_\_\_\_

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)

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:  
Griffon Poison Information Centre (National): +27 82 446 8944  
Poison Information Helpline (National): +27 861 555 777  
24 Hr Transport / Spill emergency no: (Hazzcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

**TRISMIC 750 WDG**

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HRAC HERBICIDE GROUP CODE: 2

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

Minimum number of days between the last application and harvest:		
<b>Wheat and Barley</b>	<b>TRISMIC 750 WDG in a tank mixture with Triplex 410 EC (no grazing)</b>	<b>60 days</b>
	<b>TRISMIC 750 WDG in a tank mixture with Carnivore® 420 EC</b>	<b>60 days</b>

**NOTE**

THE RECOMMENDED WITHHOLDING PERIODS MEET LOCAL RESIDUE LEVEL REQUIREMENTS AND NOT NECESSARILY THE REQUIREMENTS FOR EXPORT. WHEN THE CROP IS DESTINED FOR EXPORT, CONSULT THE REQUIREMENTS AND GUIDELINES FOR EXPORT BEFORE TRISMIC 750 WDG IS USED.

**SAFETY INFORMATION****Hazard statements:**

Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause damage to organs (indication not necessary according to RAC) through prolonged or repeated exposure (oral).
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

- Handle with care.
- Do not** exceed dosage rate as it may result in crop damage.
- Very toxic to aquatic life with long lasting effects.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- Store away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until after spray deposit has dried unless wearing protective clothing.
- In case of poisoning immediately call a doctor and make this label available to him/her.**

**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 drift to contaminate water or adjacent areas.

**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 weeds to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 event of any uncertainty.**

**Precautionary statement:**

Do not breathe dust, fume, gas, mist, vapours, or spray (only include relevant options).
Wash hands thoroughly after handling. Do not touch eyes.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear chemical safety goggles and wear impervious rubber gloves.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical help if you feel unwell.
Specific treatment (see First Aid Section).
If skin irritation or rash occurs: Get medical help.
If eye irritation persists: Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container in accordance with local regulations.

- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Thoroughly clean the spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- The applicator should not be used for applying chemicals other than herbicides.
- **TRIPLE RINSE THE EMPTY CONTAINERS IN THE FOLLOWS:** Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner. 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. Observe all labelled safeguards until container is destroyed.

**OR**

**CLEAN THE EMPTY PLASTIC BAG AS FOLLOWS:** Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces 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 bag to any other parties that may use it as container for foodstuffs.

**OR**

**CLEAN THE EMPTY FOIL-LINED PAPER BAG AS FOLLOWS:** Shake all the pesticide formulation out of the bag into the spray or mixing tank. Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via normal refuse disposal. Do not bury or donate the bag to any other parties that may use it as a container for foodstuffs.

<b>Relevant hazardous components</b>	
<b>Tribenuron-methyl</b>	<b>750 g/kg</b>
Sodium dodecyl benzenesulfonate	< 15 g/kg
Styrene phenol polyethenoxy ether	< 20 g/kg
Calcium dodecyl benzene sulfonate	< 25 g/kg

**NOTE:** The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

**In case of poisoning, call the following number:** +27 82 446 8946 (Griffon Poison Information Centre).

**In case of a chemical spill call the following 24 Hr Transport / Spill emergency number: +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).**

### **FIRST AID MEASURES**

**General advice:** 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. If exposed or concerned, get medical advice.

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** 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 or rash occurs.**
- **Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

### **ADVICE TO PHYSICIAN:**

Treat symptomatically and supportively. No specific antidote known.

### **Mode of action**

**TRISMIC 750 WDG** is a selective, systemic herbicide, absorbed by foliage, with little or no soil activity, translocated acropetally and basipetally in the phloem and xylem. Chlorosis appears in days, with necrosis and death occurring after 10–25 d under optimal conditions. The site of action happens in the branched chain amino acid synthesis inhibitor by inhibiting acetolactate synthase (ALS, also known as acetohydroxy acid synthase, AHAS), blocking the biosynthesis of the amino acids valine, leucine and isoleucine, hence stopping cell division and plant growth.

### **RESISTANCE WARNING**

**TRISMIC 750 WDG** is part of the sulfonylurea group of herbicides, that function by inhibiting the acetolactate synthase enzyme (ALS inhibitors). Certain weeds have developed resistance to these ALS inhibiting herbicides. These resistant weeds will not be controlled by a **TRISMIC 750 WDG** application. It is not always possible to know whether a population is resistant or not prior to the application, thus **Universal Crop Protection (PTY) Ltd.** will not take responsibility for poor control obtained on any resistant weeds.

**TRISMIC 750 WDG** is a group code 2 herbicide. Any weed population may contain individuals naturally resistant to **TRISMIC 750 WDG** and any other group code 2 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **TRISMIC 750 WDG** or any other group code 2 herbicides.

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**

**To avoid damage to follow-up crops, the following waiting periods should be taken into consideration.**

#### **Re cropping intervals \*:**

The following waiting periods should lapse between an application of <b>TRISMIC 750 WDG</b> and the planting of follow-up crops as to prevent damage:	
<b>Dry land</b>	
Wheat, barley and oats	1 month
All other crops	6 months
<b>Irrigation</b>	
Soil pH ≤ 7, except for cotton and cruciferae	4 months
Soil pH ≥ 7 as well as cotton and cruciferae	6 months

\* Re-cropping interval = time period between the last application of **TRISMIC 750 WDG** and the anticipated date of planting of a follow-up crop. A test planting is recommended, especially with crops sensitive to carry-over residues in the soil such as beetroot, peas, flower- and vegetable crops.

- It is **crucial** to use **TRISMIC 750 WDG** with a surfactant such as **Villa 51**.
- **TRISMIC 750 WDG** has short residual control of certain germinating weed species, however, this is affected by soil pH, moisture and temperatures.
- **DO NOT** use **TRISMIC 750 WDG** with acidic liquid fertilizers and micronutrients especially those that contain manganese (Mn), zinc (Zn) and copper (Cu).
- **TRISMIC 750 WDG** application may lead to chlorosis and/or a reduction in straw length. Once favourable conditions ensue, the crops will rapidly outgrow the stunting symptoms and yield will not be adversely affected.
- **TRISMIC 750 WDG** will be less effective when applied to:
  - a) acidic, sandy soils that tend to leach and become waterlogged,
  - b) areas where there is extended wet and cold periods,
  - c) during high temperatures,
  - d) excessive rock-covered soil,
  - e) applications made to low crop plant population (winter rainfall areas).

Under conditions of risk as described under points a) to d), application of the herbicide must occur not later than 2 weeks after weed emergence in the winter rainfall region.

- **DO NOT** apply post-emergence selective grass herbicides, i.e. products that contain **Diclofop-methyl**, within ten (10) days of a **TRISMIC 750 WDG** application.
- **DO NOT** let spray mixture stand overnight. Use the spray mixture as soon as possible after mixing.
- Crops under stress, including but not limited to water logging, drought, disease, insect damage and mineral element deficiencies, especially nitrogen, should not be sprayed with **TRISMIC 750 WDG**.
- **TRISMIC 750 WDG** is most effective when the soil is moist, and weeds are growing vigorously.
- Water should be of a good quality with the following limits: conductivity less than 1 mS/cm, resistance more than 300 ohm and a pH between 6 and 7. Adjust the pH accordingly with a suitable adjuvant.
- **DO NOT** apply **TRISMIC 750 WDG** under sown with pastures.
- Stunting of crops may occur if **TRISMIC 750 WDG** is applied with or shortly after an organophosphate insecticide (i.e. **Chlorpyrifos**), especially if the crop is stressed.
- **DO NOT** apply within a 100 m of sensitive crops (e.g. Cruciferae, beetroot, peas, flower and vegetable crops).
- **TRISMIC 750 WDG** residues in spray equipment may re-dissolve in subsequent spray mixtures and could injure susceptible follow-up crops. Clean spray equipment thoroughly before re-use (see “**Post Spray Equipment Cleaning**”)

#### **DIRECTIONS FOR USE: Only use as directed.**

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

#### **Compatibility:**

- **TRISMIC 750 WDG** is compatible with **Triplex 410 EC/Rametrex 410 EC** (L 10079/ L 10080), **CARNIVORE® 420 EC** (L 11291), and **Villa 51/ Wen 51**.
- The compatibility of **TRISMIC 750 WDG** may be influenced by several factors. As factors influencing compatibility may vary, a physical compatibility test must always be performed before such tank mixture is sprayed.

#### **Mixing instructions:**

- Mix the required amount of **TRISMIC 750 WDG** with a small amount of water to dissolve the granules.
- Half-fill the spray tank with clean water; add the required amount of **TRISMIC 750 WDG** while maintaining agitation. Complete the filling operation.
- When mixing **TRISMIC 750 WDG** with other herbicides (as registered on this label), use the following procedure:
  - a. Mix the required quantity of WDG or WP products in a small quantity of water to make a smooth cream and add this to the spray mixture or add the water-soluble bags to the spray mixture.

- b. In the following order add any additional products: **SC** or **SE** formulations, followed by **EC**, **EW** or **ME** formulations. Lastly add product of **SL**, **SG** or **SP** formulation types. Ensure to pre-mix products individually before adding them to the spray mixture.
- After all the products have been thoroughly incorporated, add the wetter/spreader and sticker adjuvants such as **Villa 51**.
- Maintain continuous suspension in the spray tank by means of proper agitation.
- Prepared spray mixtures must not be left in the spray tank for any length of time, e.g. overnight.

**Ground application:**

- A tractor mounted boom sprayer can be used to apply **TRISMIC 750 WDG**
- The sprayer should be calibrated to spray 200 litres of water per hectare.
- The equipment should be cleaned before and after application (see '**post spray equipment cleaning**' below).
- Ensure even distribution of product by applying **TRISMIC 750 WDG** at a constant speed and pressure. Also use suitable nozzle types such as double outlet flat fan (e.g. Turbo Twinjet) nozzles.
- Avoid overlapping of spray swaths as this could lead to crop damage.
- To prevent damage, do not permit drift, vapour or spray mist to come into contact with sensitive crops, fruit trees and ornamental plants. A drift retardant, can be added when spraying.

**Aerial application (TRISMIC 750 WDG solo application ONLY):**

Aerial application of **TRISMIC 750 WDG** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). 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:

- **The use of a suitable drift retardant adjuvant and/or low drift nozzles (e.g. straight stream nozzles) is recommended. In the case of fixed-wing aircraft flying at a speed faster than 130 mph, the maximum deflection angle of the nozzles or spray stream, as measured from a horizontal straight backwards orientation, may not exceed 30 degrees. In the case of slower flying fixed wing aircraft the maximum deflection angle, as described above, may not exceed 55 degrees.**
- **Volume:** A spray mixture volume of 30 to 50 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 30 to 40 droplets per cm<sup>2</sup> must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 350 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomizing equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomizers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
  - b) damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure 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 relevant data will be compiled in a logbook and kept for future reference.

## **Post Spray Equipment Cleaning**

It is essential to rinse the spray tank and all hoses with a 0.1 % solution of either calcium chloride or ammonium hydroxide or the recommended rate of **Protank® liquid cleaner** according to the product label. Allow this solution to stand in the spray equipment for 15 minutes; empty the spray equipment; repeat the rinsing with a 0.1 % solution of calcium chloride or ammonium hydroxide for 15 minutes; rinse all equipment with water. Nozzles and filters must be cleaned individually. Rinse water and solution should be drained in a cesspool or drain where it will not contaminate any water source.

## **APPLICATION RATES**

### **1.1 TRISMIC 750 WDG applied in a tank mixture with Triplex 410 EC for post-emergence weed control in wheat and barley.**

#### **NOTES**

- **TRISMIC 750 WDG** should be applied post-emergence of both the crop and weeds.
- In Wheat the application must be between **growth stages 7 and 13** according to the list of growth stages issued by the **ARC-Small Grain Centre, Bethlehem**, whereas in Barley application should be made when the crop is in the **5- to 6-leaf stage**.
- Apply when the weeds are fully germinated but not later than the 4-leaf stage.
- Apply at least 200 litres of water per hectare.
- The re-cropping waiting periods depends on normal or above average rainfall during, and following, the growing season when the application was performed. Low concentrations of **Triplex 410 EC** in the soil may cause injury to crops, other than wheat, oats and barley. Therefore, careful planning should take place regarding crop rotation, prior to the application of **Triplex 410 EC**.
- **DO NOT APPLY Triplex 410 EC AERIALLY.**
- Refer to the **Triplex 410 EC** and **Villa 51** labels for a list of additional weeds controlled by these products, as well as for **WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE**.

<b><i>TRISMIC 750 WDG</i></b> 15 g/ha	<b><i>PLUS</i></b> <i>Triplex 410 EC</i> 1400 m/ha	<b><i>PLUS</i></b> <i>Villa 51</i> 0.1 %
<b>Weeds controlled</b>		
<b>Botanical name</b>		<b>Common name</b>
<i>Amaranthus hybridus</i>		Cape pigweed
<i>Argemone ochroleuca</i> *		White flowered Mexican poppy
<i>Chenopodium album</i>		White goosefoot
<i>Lepidium didymum</i> (= <i>Coronopus didymus</i> )		Swinecress
<i>Emex australis</i>		Spiny emex
<i>Erodium moschatum</i>		Musk heron's bill
<i>Galinsoga parviflora</i>		Gallant soldier
<i>Medicago truncatula</i>		Barrelclover
<i>Raphanus raphanistrum</i>		Wild radish
<i>Rumex acetosella</i>		Sheep's sorrel
<i>Senecio consanguineous</i>		Starvation Senecio

\* Variable control.

### **1.2 TRISMIC 750 WDG applied in a tank mixture with Carnivore® 420 EC for post-emergence weed control in wheat and barley.**

#### **NOTES**

- Apply when the weeds are fully germinated but not later than the 4-leaf stage.
- Apply at least 200 litres of water per hectare.

- **DO NOT APPLY Carnivore® 420 EC AERIALLY.**
- Carnivore® 420 EC application on Wheat must be between **growth stages 7 and 13 according to the list of growth stages issued by the ARC-Small Grain Centre, Bethlehem.**
- Barley should be sprayed when the crop is in the **5- to 6-leaf stage.**
- Refer to the **Carnivore® 420 EC** and **Villa 51** labels for a list of additional weeds controlled by these products, as well as for **WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE.**

<b>TRISMIC 750 WDG</b> 15 g/ha	<b>PLUS</b> <i>Carnivore® 420 EC</i> 1500 m³/ha	<b>PLUS</b> <i>Villa 51</i> 0.1 %
<b>Weeds controlled</b>		
<b>Botanical Name</b>		<b>Common Name</b>
<i>Amaranthus hybridus</i> *		Cape pigweed
<i>Argemone ochroleuca</i> **		White flowered Mexican poppy
<i>Chenopodium album</i> *		White goosefoot
<i>Lepidium didynamum</i> (= <i>Coronopus didymus</i> )		Swinecress
<i>Emex australis</i> *		Spiny emex
<i>Erodium moschatum</i>		Musk heron's bill
<i>Galinsoga parviflora</i>		Gallant soldier
<i>Medicago truncatula</i>		Barrelclover
<i>Raphanus raphanistrum</i>		Wild radish
<i>Rumex acetosella</i>		Sheep's sorrel
<i>Senecio consanguineous</i>		Starvation Senecio

\* Use higher rates.

\*\* Variable control.

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

- **TRIPLEX 410 EC** (L 10079) = **RAMETREX 410 EC** (L 10080) (**bromoxynil, dicamba and MCPA**) and
- **VILLA 51** (L 8050 / W 130454 / N-AR 1090) = **WEN 51** (L 8315).

**RAMETREX 410 EC** is a registered product of  
**VILLA CROP PROTECTION (PTY) LTD.**

**VILLA 51** and **WEN 51** are registered products of  
**UNIVERSAL CROP PROTECTION (PTY) LTD**

**TRIPLEX 410 EC** is a registered trademark of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**

**CARNIVORE® 420 EC**, and **PROTANK® LIQUID CLEANER** are registered trademarks of  
**WINFIELD SOLUTIONS REGISTRATION HOLDINGS (PTY) LTD.**