

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



Herbicide

# ALLIANTE 600 WDG

Reg. No. L 9917 Act No. 36 of 1947

3: 17/01/2023 – Sept2023

A selective water-dispersible granular herbicide for the post-emergence control of broad-leaved weeds in cereal crops as well as invasive plant species in natural pastures, conservation areas and forestry plantations/ areas.

## ACTIVE INGREDIENT

metsulfuron-methyl (sulfonyl urea) 600 g/kg

GROUP

2

HERBICIDE



DANGER

### Hazard Statements:

May be harmful in contact with skin.  
Causes mild skin irritation.  
Causes serious eye damage.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Wash hands and face thoroughly after handling. Do not touch eyes.  
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

kg

**villa**

UN Number: 3077

Registration holder: VILLA CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1992/002474/07  
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:

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

**ALLIANTE 600 WDG**

Reg. No. L 9917 Act No. 36 of 1947  
 HRAC HERBICIDE GROUP CODE: 2

**ACTIVE INGREDIENT:**

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Registration holder:

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

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

May be harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye damage.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

- **Withholding period:** Allow 28 days between application and grazing of pastures.
- Handle with care.
- 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 chemicals.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing 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 drift to contaminate water or areas not under treatment.
- **NOTE**  
**ALLIANTE 600 WDG** is a highly active herbicide that in small quantities, when used incorrectly, can cause serious damage to crop seedlings, deciduous fruit trees and grape vines, during the budding and early season growth stages.
- Under the following conditions it can cause serious damage as far as 3 to 5 km from the nearest spray path of the aircraft: Cloudy weather with relative humidity above 80 % and low air movement of less than 5 km per hour.
- When such conditions prevail, aerial application should **NOT** be carried out where crop seedlings, deciduous fruit trees and grape vines in budding or early development stages are present within 5 km of the nearest spray path of the aircraft.

**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 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 label instructions or to the occurrence of conditions, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.**

**PRECAUTIONS****Precautionary statements:**

Wash hands and face 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 ON SKIN: Get medical help.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: get medical help.
Collect spillage.
Dispose of contents/container to suitable landfill in accordance with local regulations

- Avoid inhalation of the dust or spray mist.
- Wash contaminated clothing after use.
- Wash with non-abrasive soap and water after use and after accidental skin contact.
- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and change of clothing.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- **Cleaning of Application Equipment:** Special attention and care must be taken with cleaning of all equipment used in the mixing and application of **ALLIANTE 600 WDG**, before using it for applications in other crops:
  - Drain the spray tank and rinse thoroughly with ample water. Flush the pipes, boom and nozzles of applicator with the water.
  - Drain the spray tank again and fill with clean water to 20 % of tank capacity, whilst thoroughly rinsing all inside surfaces of the spray tank.
  - Add 1 litre **Sodium hypochloride** (5.2 %) per 200 litres water.
  - Bleed the system, to ensure that all pipes, booms and nozzles are filled with the **Sodium hypochloride** solution by spraying the solution through all nozzles for 1 minute.
  - Let the remaining rinsate solution circulate within the spraying system for at least 5 to 10 minutes.
  - Drain the spray tank and pipe system completely.
  - In order to remove traces of the tank cleaner, flush the spray tank thoroughly with clean water, rinsing all the inside surfaces. Spray this rinsate through the nozzles and drain system.
- **Do not** dispose the wash water where it will contaminate crops, grazing, rivers and dams and the root zone of desirable plants.
- Rinse the container three times with a volume of water equal to a quarter of that of the container. Puncture the triple rinsed container/bag 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/bag to any other parties that may use it as a container for food or beverages.
- Prevent contamination of food, feed, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
Metsulfuron-methyl	600 g/kg
Wetting agent	< 50 g/kg
Water soluble polymer	< 50 g/kg
Disintegrating agent	< 50 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 / poison control centre.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists / person feels unwell.
- **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 persists / person feels unwell.
- **Eyes:** Flush eyes with clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses 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.

### **RESISTANCE WARNING**

**ALLIANTE 600 WDG** is a group code 2 herbicide. Any weed population may contain individuals naturally resistant to **ALLIANTE 600 WDG** and 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 **ALLIANTE 600 WDG** or any other group code 2 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.

**Mode of Action:** **ALLIANTE 600 WDG** is a selective systemic herbicide absorbed through the roots and foliage and translocated to the apex of the plants. It affects sensitive weeds through inhibition of the enzyme acetolactate synthase (ALS). Inhibition of ALS leads to the rapid cessation of cell division and subsequent growth processes in plants.

### **USE RESTRICTIONS**

#### **1. Application in crop situations:**

##### **• Re-cropping intervals:**

Wheat	1 month
Barley & Oats	6 months
Any other crop	10 months, preceded by a test planting

(\* pre-plant interval = time period between the last application of **ALLIANTE 600 WDG** and the anticipated date of planting of a follow-up crop).

#### **Notes on re-cropping intervals:**

- It is not recommended to use **ALLIANTE 600 WDG** on soils with a pH (KCl) of 6.5 or higher, and/or on soils containing free lime. The residual effect of **ALLIANTE 600 WDG** can be extended, adversely affecting crop rotation strategies beyond normally indicated intervals.
- The above-mentioned re-cropping waiting periods also depend on normal or above average rainfall during, and following, the growing season when the application was performed. Low concentrations of **ALLIANTE 600 WDG** in the soil may cause injury to crops other than wheat, oats or barley. Therefore, careful planning should take place with regard to crop rotation, prior to the application of **ALLIANTE 600 WDG**.

- Established weeds that survived cultivation practices, and which are re-growing may not be controlled effectively.
- Do not use **ALLIANTE 600 WDG** in cereal crops under sown with legumes.
- Do not use **ALLIANTE 600 WDG** in wheat, barley or oats that are stressed by severe drought, flooding, disease or insect damage conditions.
- The use of **ALLIANTE 600 WDG** in barley is restricted to the Western-, Southern- and Eastern Cape.
- **ALLIANTE 600 WDG** has a limited effect on germinating weeds, the control of which is affected by factors such as weed species, soil pH and soil moisture.
- Erratic control/re-growth of weeds may occur if one or more of the following conditions exist:
  - Light sandy acid soils that tend to leach or become waterlogged. \*
  - Excessive stones covering the soil surface. \*
  - Should application be performed later than 6 weeks after planting in the Western, Southern and Eastern Cape.
  - A low plant density.

(\* Under these conditions application of the herbicide should take place not later than two weeks post-emergence of the weeds).

- **ALLIANTE 600 WDG** may not be used on the oats cultivar Heros.
- Do not spray **ALLIANTE 600 WDG** on to cereals that are growing under stress conditions (stress conditions can result from water logging, drought, disease, insect damage and mineral element deficiencies, especially nitrogen).
- **Undersown Cereals:**  
**ALLIANTE 600 WDG** must not be applied to cereals undersown with pastures.
- **Dilution Water:**  
Use only water of which the quality is suitable for overhead irrigation. (Avoid water with a conductivity exceeding 1.0 mS/cm, or with a resistance of less than 300 ohm and/or pH higher than 8).
- **Do not** apply **ALLIANTE 600 WDG** in combination with insecticides containing **Chlorpyrifos**.
- **Do not** add a wetter to the spray mixture when EC formulations are mixed with **ALLIANTE 600 WDG**.
- Rain immediately after application (before the spray deposit has dried) may adversely affect the efficacy of the herbicide.

- Mild chlorosis and/or retarded growth may occur after application. **Do not** exceed the recommended dosage rate.

## 2. Application in non-crop or forestry situations:

- Where *Pinus* and *Eucalyptus* species are to be planted in areas treated with **ALLIANTE 600 WDG**, the following waiting periods must be observed:
  - Coppice and cut stump applications: eight (8) weeks.
  - In the event of areas treated with **ALLIANTE 600 WDG** being transplanted with seedlings of other tree species a withholding period of twelve (12) months after application is recommended. The above-mentioned conditions are only valid if the recommended rate of **ALLIANTE 600 WDG** has been used.
- **ALLIANTE 600 WDG** will control non-target/desirable broadleaf plants if accidentally treated during application.
  - Take care to apply **ALLIANTE 600 WDG** as directed applications onto the intended target species in the vicinity of desirable broadleaf trees or plants. **ALLIANTE 600 WDG** will not kill grasses and sedges accidentally treated during application.
  - No broadleaf plants/crops can be planted for a minimum period of twelve (12) months in areas where non-crop target species have been controlled with **ALLIANTE 600 WDG**.
  - **Do not** apply the spray mixture over the top of newly planted trees and avoid spray contact with foliage or any other parts of non-target trees/plants.

### DIRECTIONS FOR USE: Only use as indicated.

#### Compatibility:

- **ALLIANTE 600 WDG** is compatible with **Summit Super** and **MCPA 400 SL, DISGRAN 750 WDG** (L 7473) and **Campatop 225 EC**.
- The compatibility of **ALLIANTE 600 WDG** in a tank mixture with other products is influenced by the formulations of these products, as well as quality of the spray water. It is recommended that a physical compatibility test always be performed prior to application as the formulation of other products can be altered, and the quality of water can vary from area to area.
- Do not use **ALLIANTE 600 WDG** in combination with any other chemicals other than mentioned on the label without consulting your technical adviser or the registration holder.

#### Mixing Instructions:

- Half fill the spray/mixing tank with clean water and ensure agitation.
- Pre-mix the required amount of **ALLIANTE 600 WDG** or **Disgran 750 WDG** with a small amount of water to form a smooth cream.
- Half fill the spray tank (or pre-mix tank in case of aerial application) with water.
- Add the creamed **ALLIANTE 600 WDG** or **Disgran 750 WDG** to the tank through a sieve.
- Thereafter add **Campatop 225 EC** and/or **Summit Super** or a Villa approved adjuvant.
- Add **MCPA 400 SL** last to the spray mixture.
- Fill to final volume with water whilst agitating continuously.
- Apply directly after thorough mixing and continue agitation during application. If **ALLIANTE 600 WDG** is to be tank mixed with other agricultural chemicals, ensure that the **ALLIANTE 600 WDG** is completely mixed and in suspension, before adding the other compounds.
- The spray mixture must be sprayed immediately after mixing and not be allowed to stand over for a prolonged period of time, e.g. overnight.

### APPLICATION INSTRUCTIONS

#### Ground application:

It is important that **ALLIANTE 600 WDG** is applied with accurately calibrated spray equipment that is in good working order. **ALLIANTE 600 WDG** can be applied with standard medium or high-volume spraying equipment, equipped with a good agitation system that can provide even distribution and sufficient coverage. It is recommended to apply at a spray volume of 200 litres per hectare, using flat fan nozzles to obtain best results. Ensure agitation of spray mixture during application.

#### Ground application in non-crop plant or forestry control situations:

- For total accuracy, the dosage rate must be weighed out with an accurate scale as significant variation can occur if a measuring is used.

- **Pre-mixing:** Mix the required amount **ALLIANTE 600 WDG** with a small volume of water to form a smooth slurry without any remaining solid clods or granules.
- **Mixing:** Half fill the spray tank with water and add the pre-mixed slurry to the tank. Add the required quantity of surfactant whilst agitating constantly and then fill the spray tank with water.
- Use a knapsack sprayer fitted with a solid cone nozzle and maintain a constant spray pressure of between 200 and 250 kPa (2.0 to 2.5 bar) during application. Use only on actively growing plants as a full cover leaf spray thoroughly wetting all foliage to the point of run off. Avoid run-off onto the soil.
- Mark areas to be treated accurately so that no duplication takes place – especially with knapsack applications.
- **Do not** apply the product over the top of newly planted trees and avoid spray contact with leaves or any other plant parts of desired trees/plants.
- **NOTE**  
**The addition of a surfactant is essential.**

#### **Aerial application:**

Aerial application of **ALLIANTE 600 WDG** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 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 35 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 300 to 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 **atomising 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.
- 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.
- Position all the atomisers 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.

**APPLICATION RATES****IMPORTANT**

Refer to “USE RESTRICTIONS” and “WARNINGS” above.

**1. WHEAT, OATS and BARLEY**

**Table 1.** Post-emergence application rates of **ALLIANTE 600 WDG** in the Western Cape in Wheat, Oats and Barley.

<i>Crop</i>	<i>Dosage rate / ha</i>	<i>Remarks</i>
<b>Wheat, Oats &amp; Barley</b>	3.5 or 4.0 g/ha	Apply post emergence of weeds when wheat, oats or barley are in the 3- to 5-leaf stage.
<b>Western Cape, winter rainfall area:</b>	<b>PLUS</b> 300 ml / 100 ℓ water <b>Summit Super</b>	Refer to the weed growth stages below (Table 2 & 3) for optimum control.  Refer “NOTE” below.

**NOTE****Tank mixtures with Campatop 225 EC or MCPA 400 SL**

Add **Campatop 225 EC** (750 ml per hectare) or **MCPA 400 SL** (500 ml per hectare) for improved control of broadleaf weeds. Refer to the **Campatop 225 EC** and **MCPA 400 SL** labels for “DIRECTIONS FOR USE” and “USE RESTRICTIONS”.

**Table 2.** Weed species controlled or suppressed in the Western Cape by post-emergence application of **ALLIANTE 600 WDG** (3.5 to 4.0 g per hectare dosage rate).

<b>Weeds controlled &amp; maximum height at application (or size as indicated):</b>			
		<b>3.5 g / ha</b>	<b>4.0 g / ha</b>
<i>Chenopodium album</i>	White goosefoot	3.0 cm	5.0 cm
<i>Emex australis</i>	Spiny emex	3.0 cm diameter	5.0 diameter
<i>Galinsoga parviflora</i>	Gallant soldier	2.0 cm	3.0 cm
<i>Raphanus raphanistrum</i>	Wild radish	2 leaves	5.0 leaves

**NOTE**

Musk heron’s bill (*Erodium moschatum*) will also be controlled with addition of **Campatop 225 EC** (750 ml per hectare) or **MCPA 400 SL** (500 ml per hectare).

**Table 3.** Post-emergence application rates of **ALLIANTE 600 WDG** in the Summer rainfall area in Wheat (Dry land wheat only).

<i>Crop</i>	<i>Dosage rate / ha</i>	<i>Remarks</i>
<b>Wheat in the Summer rainfall area:</b>  (Dry land only)	10 g/ha <b>PLUS</b> 13 g/ha <b>Disgran 750 WDG</b> <b>PLUS</b> 300 ml / 100 ℓ water <b>Summit Super</b>	Apply as a post-emergence spray from the 2 to-5-leaf stages onwards, but before the crop canopies and after the weeds have emerged but have not exceeded the maximum recommended stage.  Refer “NOTE” below.

**NOTE****Tank mixtures with Campatop 225 EC or MCPA 400 SL**

Add **Campatop 225 EC** (750 ml per hectare) or **MCPA 400 SL** (500 ml per hectare) for improved control of broadleaf weeds. Refer to the **Campatop 225 EC** and **MCPA 400 SL** labels for “DIRECTIONS FOR USE” and “USE RESTRICTIONS”.

**Table 4.** Weed species controlled or suppressed by post-emergence application of **ALLIANTE 600 WDG** plus **Disgran 750 WDG** (13.0 g/ha) plus **MCPA 400 SL** (500 ml/ha) or **Campatop 225 EC** (750 ml/ha).

<b>Weeds controlled (at dosage rates and maximum sizes indicated):</b>		
<b>Weed species</b>	<b>ALLIANTE 600 WDG Dosage rate</b>	<b>Maximum weed size</b>
<i>Amaranthus hybridus</i>	10 g/ha	6-leaf
<i>Capsella bursa-pastoris</i>		4-leaf
<i>Chenopodium album</i>		5 cm
<i>Erodium moschatum</i>		4-leaf
<i>Polygonum aviculare</i>		5 cm ranks
<i>Raphanus raphanistrum</i>		3 to 4 leaves
<i>Rumex acetosella</i>		6-leaf
<i>Senecio consanguineus</i>		4-leaf

- Consult the labels of, **Summit Super**, **MCPA 400 SL**, **DISGRAN 750 WDG**, and **CAMPATOP 225 EC** for **USE RESTRICTIONS**, **WARNINGS** (including **RESISTANCE WARNINGS**), **PRECAUTIONS** and **DIRECTIONS FOR USE**.

## 2. **NON-AGRICULTURAL APPLICATIONS: CONTROL OF INVASIVE PLANT SPECIES**

- The addition of a surfactant is essential.**
- The product has a slow action and green foliage may still be observed up to 6 months following application.
- Apply only on foliage of actively growing plants as a full cover spray. It is important to obtain thorough wetting of all foliage to the point of run off. However, avoid run-off onto the soil.
- Mark the areas to be treated accurately to avoid duplication.

<b>Target species</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>Bankrupt bush</b> ( <i>Seriphium plumosum</i> )	25 to 50 g per 100 ℓ water  <b>PLUS</b> 500 ml / 100 ℓ water <b>Summit Super</b>	<p>Apply in 250 to 400 litres water per hectare depending on density of the infestation, height and growth habit of the plants. Use 25 g per 100 litres water when treating plants below 0.75 metres height that have adequate green foliage for uptake. Use the higher dosage rate when the plants exceed 0.75 m height and/or have many dead branches that may intercept the spray mixture and thereby reduce optimal coverage and absorption of the active ingredient. For optimal control, also observe the following:</p> <ul style="list-style-type: none"> <li><b>Target:</b> <ul style="list-style-type: none"> <li>Apply to the foliage of actively growing plants. Ensure thorough coverage of the foliage but avoid run-off.</li> <li>Removing the dead foliage of Bankrupt bush before application by means of slashing or burning will improve uptake of the <b>ALLIANTE 600 WDG</b> and improve control. However, note that slashing may cause the release of ample seed, which will have to be controlled the following season.</li> </ul> </li> <li><b>Timing:</b> <ul style="list-style-type: none"> <li>Apply a single treatment during the active growth period from October until April), but preferably during the late summer (January to end April), but before the onset of winter.</li> </ul> </li> <li><b>Re-growth:</b> <ul style="list-style-type: none"> <li>Spot spraying must be done the following year in the event of re-growth.</li> </ul> </li> </ul> <p>Refer to “<b>USE RESTRICTIONS</b>” above.</p>



<b>Target species</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>American Bramble</b> ( <i>Rubus cuneifolius</i> )	25 g per 100 ℓ water  <b>PLUS</b>  500 mℓ / 100 ℓ water <b>Summit Super</b>	<u>Knapsack application:</u> Apply in 200 to 400 litres water per hectare depending on density of the infestation, height and growth habit of the plants. For optimal control, also observe the following: <ul style="list-style-type: none"> <li>• <u>Target:</u> <ul style="list-style-type: none"> <li>- Apply to the foliage of actively growing plants. Ensure thorough coverage of the foliage but avoid run-off.</li> </ul> </li> <li>• <u>Timing:</u> <ul style="list-style-type: none"> <li>- Apply a single treatment during the active growth period from October until April), but preferably during the late summer (January to end April) but before the onset of winter.</li> </ul> </li> <li>• <u>Re-growth:</u> <ul style="list-style-type: none"> <li>- A follow-up spot spraying application may be required during the third season after the initial application.</li> </ul> </li> </ul> Refer to “ <b>USE RESTRICTIONS</b> ” above.
<b>Pom-pom weed</b> ( <i>Campuloclinium macrocephalum</i> )	25 g per 100 ℓ water  <b>PLUS</b>  500 mℓ / 100 ℓ water <b>Summit Super</b>	Apply in 200 to 400 litres water per hectare. For optimal control, also observe the following: <ul style="list-style-type: none"> <li>• <u>Target:</u> <ul style="list-style-type: none"> <li>- Apply to the foliage of actively growing plants. Ensure thorough coverage of the foliage but avoid run-off.</li> </ul> </li> <li>• <u>Timing:</u> <ul style="list-style-type: none"> <li>- Apply a single treatment during the active growth period from October until April), but preferably during the late summer (January to end April) but before the onset of winter.</li> </ul> </li> <li>• <u>Re-growth:</u> <ul style="list-style-type: none"> <li>- Spot spraying may be required if re-growth occurs.</li> </ul> </li> </ul> Refer to “ <b>USE RESTRICTIONS</b> ” above.
<b>Trifid Weed</b> ( <i>Chromolaena odorata</i> )	25 g per 100 ℓ water  <b>PLUS</b>  500 mℓ / 100 ℓ water <b>Summit Super</b>	<u>Knapsack application:</u> Apply in 200 to 400 litres water per hectare depending on density of the infestation, height and growth habit of the plants when plants are 0.5 to 0.75 m high at application and actively growing. For optimal control, also observe the following: <ul style="list-style-type: none"> <li>• <u>Target:</u> <ul style="list-style-type: none"> <li>- Apply to the foliage of actively growing plants. Ensure thorough coverage of the foliage but avoid run-off.</li> <li>- Slash plants taller than 0.75 m and spray re-growth when it reaches 0.5 to 0.75 m height.</li> </ul> </li> <li>• <u>Timing:</u> <ul style="list-style-type: none"> <li>- Apply a single treatment during the active growth period from October until April) but before the onset of winter.</li> </ul> </li> <li>• <u>Re-growth:</u> <ul style="list-style-type: none"> <li>- Spot spraying must be done the following year in the event of re-growth.</li> </ul> </li> </ul> Refer to “ <b>USE RESTRICTIONS</b> ” above.

<b>Target species</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>Gum tree</b> <i>Eucalyptus grandis</i>  Gum coppice	80 g per 100 ℓ water  <b>PLUS</b>  500 ml / 100 ℓ water <b>Summit Super</b>	<u>Knapsack application:</u> Apply to, and ensure good coverage of, all foliage of actively growing coppice between 0.5 to 2.0 m height. It is important to avoid run-off onto the soil. Treatments can be made all year round, however, it is not recommended to apply under very cold conditions in the winter season. If re-growth occurs, apply follow-up treatments on a spot spray basis as required. Refer to “ <b>USE RESTRICTIONS</b> ” above.
<b>Gum tree</b> <i>Eucalyptus grandis</i>  Gum coppice (Cut stump)	180 g per 100 ℓ water  <b>PLUS</b>  500 ml / 100 ℓ water <b>Summit Super</b>	Using a low-pressure knapsack sprayer, a hand-held applicator or dosing gun, direct application at the cambium layer of the stump <b>immediately after felling or at least within two (2) hours after felling</b> for optimal results. Avoid run-off onto the soil. Application after two (2) hours will result in sub-optimal efficacy. Apply 15 to 20 ml of spray mixture per 10 cm stump diameter (measured at ground level). In the case of multi-stem trees, apply a minimum of 15 ml of spray mixture to each 10 cm stem. Refer to “ <b>USE RESTRICTIONS</b> ” above.

The following products may be replaced with the equivalent products listed on this label:

- **SUMMIT SUPER** (L 8539) = **BENEFIT PLUS** (L 8538),
- **MCPA 400 SL** (L 5795 / W 130452) = **MCPA 400 SL** (L 5793 / N-AR 1092 / W 1301410) and
- **CAMPATOP 225 EC** (L 5320 / N-AR 1115 / W 1301421) = **BROMOXYNIL 225 EC** (L 4466 / W 130530).

**MCPA 400 SL** and **BROMOXYNIL 225 EC** are registered products of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**

**DISGRAN 750 WDG, MCPA 400 SL, SUMMIT SUPER, CAMPATOP 225 EC** and **BENEFIT PLUS** are  
 registered products of  
**VILLA CROP PROTECTION (PTY) LTD.**