

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS

Herbicide



# HALO 750 WDG

Reg. No. L 8283 Act No. 36 of 1947  
W1301403

5:19/5/2022 – Jan2023

A selective water dispersible granular herbicide packed in water-soluble bags for the post-emergence control of Nutsedge and certain broadleaf weeds in crops as indicated.

## ACTIVE INGREDIENT

halosulfuron (sulfonylurea) 750 g/kg

GROUP

2

HERBICIDE



**DANGER**

### Hazard Statements:

Harmful if swallowed.  
May be harmful if inhaled.  
Causes mild skin irritation.  
Causes eye irritation.  
May damage fertility or the unborn child.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Obtain, read and follow all safety instructions before use.  
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
Avoid release into the environment.

kg

**villa**



UN Number: 3077

Registration holder: VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07

PO Box 10413, Aston Manor, 1630

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)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:  
Date of Manufacture:

**HALO 750 WDG**

Reg. No. L 8283 Act No. 36 of 1947

W1301403

HRAC HERBICIDE GROUP CODE: 2

**ACTIVE INGREDIENT:**

halosulfuron (sulfonyl urea) ..... 750 g/kg

Registration holder:

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

Co. Reg. No. 1992/002474/07

P.O. Box 10413, ASTON MANOR,

1630. Tel. (011) 396 2233

**WARNINGS****Re-cropping intervals:**

The following waiting periods should lapse between application of HALO 750 WDG and the planting of follow-up crops, to prevent damage to the next crop:	
Grain sorghum, Wheat and Maize	1 month
Dry beans	3 months
Potatoes	6 months
Sunflowers	13 months
A replanting interval of at least <b>24 months</b> must be observed for all other crops and preceded by a test planting.	
<b>NOTE</b> <ul style="list-style-type: none"> <li>The waiting periods mentioned above are only valid if the recommended dosage rate of <b>HALO 750 WDG</b> is applied on soil with a pH (H<sub>2</sub>O) of less than 7, and with normal or above average rainfall during and following the season in which the application was performed.</li> <li>On light sandy soils with 0 to 10 % clay in the Northwest Province and North Western Free State, as well as soils with a high lime content, the recommended <b>TERBUSIEN SUPER 600 SC</b> (L 5435/ N-AR 1110 / W 130958), <b>Terbuweed 600 WDG</b> and <b>SORGOMIL® GOLD 600 SC</b> (L 6221) / <b>TERBUCLEAR 600 SC</b> (L 10506 (V) W1301416 / N-AR 2240) rates (refer rates in Table 1) could have the potential to damage follow-up crops.</li> <li>Rain within six (6) hours after an application of <b>HALO 750 WDG</b>, can influence weed control adversely.</li> <li><b>Minimum waiting periods and guidelines for crop rotation:</b> <ul style="list-style-type: none"> <li>Other crops may be very sensitive to low concentrations of <b>HALO 750 WDG</b> in the soil. Careful consideration should therefore be given to crop rotation plans, before using <b>HALO 750 WDG</b>.</li> <li>The minimum-re-cropping interval indicates the time between the last application of <b>HALO 750 WDG</b> and the anticipated date of planting a subsequent crop.</li> </ul> </li> </ul>	

**Hazard statements:**

Harmful if swallowed.
May be harmful if inhaled.
Causes mild skin irritation.
Causes eye irritation.
May damage fertility or the unborn child.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Store in a cool place.
- Store away from sunlight and damp areas. Keep in the original, tightly sealed container/bag/sachet, and in a well-ventilated area.
- Store under lock and key, and away from food and feeds.
- Keep out of reach of children, uninformed persons and animals.
- Avoid storage above 35 °C.
- Re-entry: 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 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:

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

- Do not inhale the spray mist.
- Avoid skin and eye contact.
- Wash contaminated clothing after use.
- Wash with soap and water 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 of spray mist on to other crops, grazing, rivers, dams or areas not under treatment.
- **Cleaning of application equipment:** Special attention and care must be taken with cleaning of all equipment used in the mixing and application of **HALO 750 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 15 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 and dispose according to local regulations.
  - 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 the system.
- **Products and container disposal:**
  - Dispose of surplus product in an incinerator or on a landfill site approved for pesticides.
  - Do not bury in, or spray on to, any area under agricultural use.
  - Dispose of containers/bags/sachets made of plastic, cardboard or paper on a landfill site approved for pesticides or burn in a safe place where there is no risk of contamination by smoke and fumes.
- Prevent contamination of food, feeds, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
<b>Halosulfuron</b>	75 %
Sodium alkyl naphthalene sulfonate	<5 %

### **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. Seek medical advice if necessary.
- **Inhalation:** Immediately remove source of contamination or move victim to fresh air. If breathing has stopped, perform artificial respiration and administer oxygen. Avoid mouth-to-mouth resuscitation. Keep person warm and at rest. Treat symptomatically and supportively as and when required. Seek medical advice if necessary.
- **Skin:** Remove contaminated clothing and shoes immediately. Gently wipe off excess chemical. Wash skin gently and thoroughly with non-abrasive soap or mild detergent with large amounts of water until no evidence of chemical remains. Seek medical advice if necessary.
- **Eyes:** Flush eyes immediately with large amounts of gently flowing cold water or normal saline solution, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15 to 20 minutes). If irritation persists, get medical attention.
- **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**

**HALO 750 WDG** is a group code 2 herbicide. Any weed population may contain individuals naturally resistant to **HALO 750 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 **HALO 750 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:**

**CROWN 750 WDG** contains halosulfuron, a sulfonylurea compound which belongs to HRAC group 2. It is used for post-emergence control of annual broad leaf and sedge weeds in a variety of crops. **Halosulfuron** is a selective, systemic herbicide, absorbed by the roots and leaves from where it is translocated acropetally and basipetally in the phloem and xylem to meristem tissues. Selectivity of certain crops are due to rapid metabolism.

### **USE RESTRICTIONS**

- Nutsedge (*Cyperus* spp.) is not controlled by **HALO 750 WDG** pre-emergence; therefore, poor control of late germinating *Cyperus* spp. can be expected. Under such circumstances a second application may be necessary before the crop canopy closes.
- **HALO 750 WDG** has restricted activity on broadleaved weeds and must be mixed with broadleaved herbicides for a more complete spectrum of broadleaved weed control.
- **HALO 750 WDG** has no activity on grasses. Grasses must therefore be controlled pre-emergence with a suitable grass herbicide (e.g., **Metolachlor** or **Acetochlor**). Consult the appropriate label for details.
- Do not apply **HALO 750 WDG** on crops that are stressed by severe weather conditions, drought, flooding, disease, or insect damage.
- Do not apply **HALO 750 WDG** to inbred experimental or newly released cultivars without referring to the registration holder or seed suppliers before application.
- Even though **HALO 750 WDG** is registered for use on maize, it must not be used on any sweetcorn or super sweet corn cultivars.
- Do not use **HALO 750 WDG** on soils with a pH (H<sub>2</sub>O) of 7 or higher, and/or on soils containing free lime. The residual effect can be extended, adversely affecting crop rotation strategies beyond normally indicated intervals.
- Chlorosis (yellowing) of the funnel leaves and slight stunting of maize and grain sorghum plants may occur if cool, wet weather conditions continue after application. However, plants will outgrow these symptoms as these symptoms are of a cosmetic nature and will not affect the yield.

- **HALO 750 WDG** is **not** recommended for the control of *Cyperus rotundus* (Purple nutsedge) under dryland conditions in the North-western Province.
- **HALO 750 WDG** and combinations of **HALO 750 WDG** with other herbicides must be applied as directed sprays between the rows in avocados, citrus and mangoes.
- **HALO 750 WDG** is recommended as a directed, inter-row application, after transplanting and establishment of tobacco. Leaves that are contacted will appear yellow and deformed. However, this will not affect the rest of the plant. Prolonged periods of cool, wet weather can intensify the degree of chlorosis and deformation of the contacted leaves.
- Do not use any other herbicide in tank mixture with **HALO 750 WDG** on tobacco.
- Allow seven (7) days after application of **HALO 750 WDG** before harvesting of tobacco leaves.
- The efficacy of **HALO 750 WDG** can be influenced by the quality of water used for application. If the sum total of calcium and magnesium in the water exceeds 150 ppm; **Velocity®-Super** must be added at 1 litre per 100 litres water (1 %) or **Velocity®-Drymax** at 500 grams per 100 litres water (0.5 %).
- If rain occurs within 6 hours after a **HALO 750 WDG** application, weed control may be reduced.

### **GENERAL INFORMATION**

- **HALO 750 WDG** rapidly inhibits the growth of susceptible weeds. Visible symptoms of dying weeds, however, may not be noticeable for 1 to 3 weeks after application, depending on growing conditions and susceptibility of the weeds.
- Re-growth of Nutsedge may occur if **HALO 750 WDG** applications are followed by a dry period and then a wet period later in the season.

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

#### **Compatibility:**

- The compatibility of **HALO 750 WDG** with other products may be influenced by the formulation of the products involved, as well as the quality of the water. Since the formulation of other products may change without the knowledge of the registration holder and the quality of the water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.
- **HALO 750 WDG** is compatible with **Villa 51**, **CLASS ACT® NG** (L 10477 / W 1301268), **Summit Super**, **Velocity®-Super**, **Velocity®-Drymax**, **Crux 425 SC**, **Terbuweed Duo 900 WDG**, **Terbusien Super 600 SC**, **Cantron® 480 SC**, **Sorgomil® Gold 600 SC**, **Glygran 710 SG**, **Panga Plus 540 SL**, **Metolachlor 800 EC**, **Platinum Plus 915 EC**, **Leap 840 EC**, **Platinum 960 EC**, **Palladium 960 EC**, **Palladium Plus 915 EC**, **Acetochlor 900 EC**, **Terbuweed 600 WDG** and **Terbuclear 600 SC**.
- **HALO 750 WDG** should not be applied in mixtures with other herbicides, fungicides, insecticides, fertilizers or any other chemicals not mentioned on this label.
- Do not decrease the pH of **HALO 750 WDG** spray mixtures drastically, as this could result in decreased weed control.

#### **Mixing instructions:**

**HALO 750 WDG** is a water dispersible granular formulation, which mixes readily with water, if the following mixing procedures are observed:

- Fill the spray tank quarter- to half full of water and activate the agitation mechanism.
- Add the required amount of **Velocity®-Super** or **Velocity®-Drymax** (if necessary). **Velocity®-Drymax** first needs to be dissolved in a small amount of water, prior to adding it to the spray water.
- Add the required amount of **HALO 750 WDG** water-soluble sachets, directly to the tank without prior creaming.
- Add the required amount of **Villa 51** or **Summit Super**.
- Continue agitation while topping up the tank with water and while spraying.
- When tank mixtures are prepared:
  - in all cases, first add the **HALO 750 WDG** water-soluble sachets to the spray tank as indicated above, followed by other powder / granular formulations after the sachets have dissolved.
  - Thereafter, add a SC formulation, followed by an EC formulation (as applicable) and lastly the **Villa 51** or **Summit Super** to the spray tank, just before the tank is filled to the final required volume with water.
- Use **HALO 750 WDG** spray mixtures within 24 hours, as the efficacy may be reduced due to product degradation.
- Thoroughly agitate before re-using.

## APPLICATION RATES

### Ground application:

**HALO 750 WDG** can be applied with any properly calibrated medium or high-volume sprayer, and which is equipped with an efficient agitation mechanism and which will ensure good coverage and even distribution. Best results are obtained when using flat fan-type spray nozzles and applying a minimum spray volume of 200 to 400 litres water per hectare.

### APPLICATION RATES OF HALO 750 WDG.

<b>Purpose of Application</b>	<b>HALO 750 WDG Application rate / ha</b>
Control of <i>Cyperus</i> spp. <b>ONLY</b> in Maize, Grain sorghum, Sugarcane, Avocado's, Citrus, Mangoes, Tobacco, Wheat, Kikuyu & Cynodon lawns	50 g (1 sachet)
Control of <i>Cyperus</i> spp. <b>plus</b> broadleaved weeds in Maize <b>ONLY</b>	50 g <b>PLUS</b> 1.0 ℓ <b>Terbusien Super 600 SC</b>  <b>OR</b>  50 g <b>PLUS</b> 1.0 kg <b>Terbuweed 600 WDG</b>  <b>OR</b>  50 g <b>PLUS</b> 1.0 to 2.0 ℓ <b>Sorgomil® Gold 600 SC</b> <b>OR</b> 50 g <b>PLUS</b> 1.0 to 2.0 ℓ <b>Terbuclear 600 SC</b>

### NOTES

- Consult the **Terbusien Super 600 SC**, **Terbuweed 600 WDG** and **Sorgomil® Gold 600 SC / Terbuclear 600 SC** labels for more detail.
- Add **Villa 51** at 0.1 % v/v (100 ml per 100 litres water) or **Summit Super** at 0.15 to 0.3 % v/v (150 ml to 300 ml per 100 litres water) to the spray mixture as adjuvant. Addition of other adjuvants to **HALO 750 WDG** may result in less effective control of *Cyperus* spp.
- Apply **HALO 750 WDG** alone, or as a tank mixture 3 to 5 weeks after planting of the maize.
- Two applications of **HALO 750 WDG** may be necessary to achieve effective control of late germinating Nutsedge.
- To obtain best results, apply **HALO 750 WDG** on actively growing Nutsedge under moist conditions 3 to 5 weeks after planting, after the majority of the Nutsedges have germinated but before flowering. New germination of Nutsedge may occur if application was performed too early. Later applications when the Nutsedge is in flower, will also give suboptimal results.
- The optimal time of application is determined by the development stage of the Nutsedges. Broadleaf weeds, however, should not exceed the 4-leaf stage or 100 mm in height.
- If cultivation will be part of the normal practice, it must preferably be postponed until 2 to 7 days after application of **HALO 750 WDG** and combinations of **HALO 750 WDG** with **Triazine** herbicides (refer above).
- Weeds overshadowed by other weeds, or the crop may not be controlled effectively due to insufficient coverage. This must be considered during the time of application.
- The degree and duration of weed control obtained will depend on weed size, growing conditions during and time after application, soil pH (H<sub>2</sub>O) and rainfall.
- Follow-up treatments may be necessary for the control of Nutsedge in lawns.**

THE FOLLOWING WEEDS ARE NORMALLY CONTROLLED AT THE DOSAGE RATE AS INDICATED ABOVE:	
<i>Bidens pilosa</i>	Common blackjack
<i>Cleome monophylla</i>	Single leaved cleome
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cyperus rotundus</i>	Purple nutsedge
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Tagetes minuta</i>	Khaki weed

HALO 750 WDG PLUS TRIAZINE HERBICIDES (Refer above) CONTROL ABOVE-MENTIONED WEEDS AS WELL AS:	
<i>Amaranthus hybridus</i>	Common pigweed
<i>Datura ferox</i>	Large thorn apple
<i>Tribulus terrestris</i>	Dubbeltjie / Devil's thorn
<i>Xanthium strumarium</i>	Cocklebur

Purpose of Application	HALO 750 WDG Application rate / ha
Improved consistency of Yellow nutsedge ( <i>Cyperus esculentus</i> ) control in <b>Glyphosate tolerant maize</b> with a tank mixture with <b>Panga Plus 540 SL</b> or <b>Glygran 710 SG</b> .	50 g  <b>PLUS</b>  1.7 to 2.1 litres per hectare <b>Panga Plus 540 SL</b>  <b>OR</b>  1.3 kg <b>Glygran 710 SG</b>

- Add 2 % **Velocity®-Super** or 1 % **Velocity®-Drymax** and 0.05 % **Villa 51** to the tank mixture.
- Refer to the “**NOTES**” above.
- Refer to the **Panga Plus 540 SL** or **Glygran 710 SG** labels for **USE RESTRICTIONS** and **DIRECTIONS FOR USE** and list of additional weeds controlled by these products.

**Post-emergence application of HALO 750 WDG plus Cantron® 480 SC plus Terbuweed 600 WDG/Terbucide 600 WDG or Terbusien Super 600 SC, plus Villa 51 or Summit Super for the control of Yellow and Purple nutsedge and certain broadleaf weeds in maize:**

#### **NOTES**

- Apply this post-emergence application as follow up to a pre-emergence application of **Cantron® 480 SC** in tank mixture with **Metolachlor 800 EC** or **Platinum Plus 915 EC** or **Leap 840 EC** as indicated on the registered label.
- A Villa approved adjuvant, or the adjuvant **Villa 51** or **Summit Super** must be used with all post-emergence applications of **HALO 750 WDG** plus **Cantron® 480 SC** plus **Terbuweed 600 WDG** or **Terbusien Super 600 SC**, as indicated on the registered product labels.
- For optimum control of Nutsedge, apply **HALO 750 WDG** plus **Cantron® 480 SC** plus **Terbuweed 600 WDG** or **Terbusien Super 600 SC** on actively growing Nutsedge under moist conditions, 3 to 5 weeks after planting. Ensure that the application is made after the majority of the Nutsedges have germinated but before flowering. New germination of Nutsedge may occur if application was performed too early. Later applications, when the Nutsedge is in flower, will also give sub-optimal results.
- Refer to the **Cantron® 480 SC**, **Terbusien Super 600 SC** and **Villa 51** labels for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

<b>HALO 750 WDG</b> 50 g / ha	<b>PLUS</b>	<b>PLUS</b>		<b>PLUS</b>
	<b>Cantron® 480 SC</b> 210 to 260 ml / ha	<b>Terbuweed 600 WDG/Terbucide 600 WDG</b> 800 g / ha	<b>OR</b> <b>Terbusien Super 600 SC</b> 800 ml / ha	<b>Villa 51</b> 0.1 % <b>OR</b> <b>Summit Super</b> 0.15 to 0.3 %
<b>WEEDS CONTROLLED</b> <b>THE FOLLOWING WEEDS ARE NORMALLY CONTROLLED AT THE DOSAGE RATE AS INDICATED ABOVE:</b>				
<b>Botanical name</b>		<b>Common name</b>		
<i>Acanthospermum hispidum</i>		Upright starbur		
<i>Amaranthus hybridus</i>		Common pigweed		
<i>Amaranthus spinosus</i>		Thorny pigweed		
<i>Bidens pilosa</i>		Common blackjack		
<i>Cleome monophylla</i>		Single leaved cleome		
<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>Cyperus rotundus*</i>		Purple nutsedge		
<i>Datura ferox</i>		Large thorn apple		
<i>Galinsoga parviflora</i>		Gallant soldier		
<i>Ipomoea purpurea</i>		Common morning glory		
<i>Portulaca oleracea</i>		Purslane		
<i>Richardia brasiliensis</i>		Tropical Richardia		
<i>Tagetes minuta</i>		Tall Khaki weed		
<i>Xanthium strumarium*</i>		Cocklebur		

\* Only at highest recommended dosage rates.

**Please note:** Villa 51 0.1 % = 100 ml per 100 litres water; Summit Super 0.15 to 0.3 % = 150 to 300 ml per 100 litres.

## NOTE

Higher dosage rates of **Terbusien Super 600 SC** or **Terbuweed 600 WDG/Terbucide 600 WDG** may be applied for control of additional broadleaf weed species, difficult to control weeds, high weed pressure situations and longer residual control of broadleaf weeds. Refer to the **Terbusien Super 600 SC** or **Terbuweed 600 WDG/Terbucide 600 WDG** labels for dosage rates, and a list of additional weeds controlled by this product.

## **Post-emergence application of HALO 750 WDG plus Cantron® 480 SC plus Platinum 960 EC or Palladium 960 EC or Acetochlor 900 EC plus Terbuweed 600 WDG plus Villa 51 on maize, for the control of Yellow nutsedge and certain broadleaf weeds in maize:**

- Apply this post-emergence application as follow up to a pre-emergence application of **Cantron® 480 SC** in tank mixture with **Metolachlor 800 EC** or **Platinum Plus 915 EC** or **Leap 840 EC** as indicated on the registered label.
- **Villa 51** (0.1 %) must be used with all post-emergence applications of **HALO 750 WDG** plus **Cantron® 480 SC** plus **Platinum 960 EC / Palladium 960 EC / Acetochlor 900 EC** plus **Terbuweed 600 WDG** as indicated on the registered label.
- To obtain best results for Nutsedge control, apply **HALO 750 WDG** plus **Cantron® 480 SC** plus **Platinum 960 EC / Palladium 960 EC / Acetochlor 900 EC** plus **Terbuweed 600 WDG** on actively growing Nutsedge under moist conditions 3 to 5 weeks after planting, after the majority of the Nutsedges have germinated but before flowering. New germination of Nutsedge may occur if application was performed too early. Later applications when the Nutsedge is in flower, will also give suboptimal results.
- Refer to the **Cantron® 480 SC**, **Platinum 960 EC / Palladium 960 EC / Acetochlor 900 EC**, **Terbuweed 600 WDG** and **Villa 51** labels for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

	PLUS	PLUS	PLUS	PLUS
<b>HALO 750 WDG</b> 50 g / ha	<b>Cantron® 480 SC</b> 260 ml / ha	<b>Platinum 960 EC</b> 500 ml / ha <b>OR</b> <b>Palladium 960 EC</b> 500 ml / ha <b>OR</b> <b>Acetochlor 900 EC</b> 800 ml / ha	<b>Terbuweed 600 WDG</b> 800 g / ha	<b>Villa 51</b> 0.1 %
<b>WEEDS CONTROLLED</b> <b>THE FOLLOWING WEEDS ARE NORMALLY CONTROLLED AT THE DOSAGE RATE AS INDICATED ABOVE:</b>				
Botanical name		Common name		
<i>Amaranthus hybridus</i>		Common pigweed		
<i>Amaranthus spinosus</i>		Thorny pigweed		
<i>Bidens pilosa</i>		Common blackjack		
<i>Cleome monophylla</i>		Single leaved cleome		
<i>Chenopodium album</i>		White goosefoot		
<i>Chenopodium carinatum</i>		Green goosefoot		
<i>Cyperus esculentus</i>		Yellow nutsedge		
<i>Cyperus rotundus</i>		Purple nutsedge		
<i>Datura ferox</i>		Large thorn apple		
<i>Eleusine indica</i>		Goose grass		
<i>Galinsoga parviflora</i>		Gallant soldier		
<i>Ipomoea purpurea</i>		Common morning glory		
<i>Tribulus terrestris</i>		Dubbeltjie / Devil's thorn		
<i>Urochloa panicoides</i>		Herringbone grass		
<i>Xanthium strumarium</i>		Cocklebur		

**Please note:** Villa 51 0.1 % = 100 ml per 100 litres water.

**Post-emergence application of HALO 750 WDG plus Crux 425 SC plus Glygran 710 SG plus Class Act® NG for the control of Yellow and Purple nutsedge and certain broadleaf weeds in GLYPHOSATE TOLERANT maize:**

#### **NOTES**

- **Important:** This recommended spray mixture can only be applied in genetically modified maize cultivars that are certified as being tolerant to the herbicide active ingredient glyphosate.
- Apply this post-emergence application as a follow up to a pre-emergence application of **Crux 425 SC** plus **Leap 840 EC** or **Platinum Plus 915 EC** or **Palladium Plus 915 EC** as indicated on the registered labels.
- The adjuvant **Class Act® NG** must be used with all post-emergence applications of **HALO 750 WDG plus Crux 425 SC plus Glygran 710 SG** as indicated on the registered product labels.
- For optimum control of Nutsedge, apply **HALO 750 WDG plus Crux 425 SC plus Glygran 710 SG** on actively growing Nutsedge under moist conditions, 3 to 5 weeks after planting. Ensure that the application is made after the majority of the Nutsedges have germinated but before flowering. New germination of Nutsedge may occur if application was performed too early. Later applications, when the Nutsedge is in flower, will also give sub-optimal results.
- Refer to the **Crux 425 SC** and **Glygran 710 SG** labels for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

	PLUS	PLUS	PLUS
<b>HALO 750 WDG</b> 50 g / ha	<b>Crux 425 SC</b> 1200 ml / ha	<b>Glygran 710 SG</b> 1300 to 2000 g / ha	<b>Class Act® NG</b> 1.0 %
<b>WEEDS CONTROLLED</b> <b>THE FOLLOWING WEEDS ARE NORMALLY CONTROLLED AT THE DOSAGE RATE AS INDICATED ABOVE:</b>			
Botanical name		Common name	
<i>Acanthospermum hispidum</i>		Upright starbur	
<i>Amaranthus hybridus</i>		Common pigweed	
<i>Amaranthus spinosus</i>		Thorny pigweed	
<i>Bidens pilosa</i>		Common blackjack	
<i>Cleome monophylla</i>		Single leaved cleome	
<i>Chenopodium album</i>		White goosefoot	
<i>Chenopodium carinatum</i>		Green goosefoot	
<i>Cyperus esculentus</i>		Yellow nutsedge	
<i>Cyperus rotundus</i>		Purple nutsedge	
<i>Datura ferox</i>		Large thorn apple	
<i>Galinsoga parviflora</i>		Gallant soldier	
<i>Portulaca oleracea</i>		Purslane	
<i>Richardia brasiliensis</i>		Tropical Richardia	
<i>Setaria verticillata</i> *		Sticky bristle grass*	
<i>Schkuhria pinnata</i>		Dwarf marigold	
<i>Tagetes minuta</i>		Tall Khaki weed	
<i>Xanthium strumarium</i> *		Cocklebur	

\* Other annual grass weed species may also be controlled with **HALO 750 WDG plus Crux 425 SC plus Glygran 710 SG plus Class Act® NG** tank mixture.  
**Please note:** Class Act® NG 1 % = 1 litre per 100 litres water.

**Post-emergence application of HALO 750 WDG plus Crux 425 SC plus Terbuweed Duo 900 WDG plus Villa 51 for the control of Yellow and Purple nutsedge and certain broadleaf weeds in maize:**

#### **NOTES**

- Apply this post-emergence application as a follow up to a pre-emergence application of **Crux 425 SC** plus **Leap 840 EC** or **Platinum Plus 915 EC** or **Palladium Plus 915 EC** as indicated on the registered labels.
- The adjuvant **Villa 51** must be used with all post-emergence applications of **HALO 750 WDG plus Crux 425 SC plus Terbuweed Duo 900 WDG** as indicated on the registered product labels.
- For optimum control of Nutsedge, apply **HALO 750 WDG plus Crux 425 SC plus Terbuweed Duo 900 WDG** on actively growing Nutsedge under moist conditions, 3 to 5 weeks after planting. Ensure that the application is made after the majority of the Nutsedges have germinated but before flowering. New germination of Nutsedge may occur if application was performed too early. Later applications, when the Nutsedge is in flower, will also give sub-optimal results.
- Refer to the **Crux 425 SC** and **Terbuweed Duo 900 WDG** labels for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.
- Higher dosage rates of **Terbuweed Duo 900 WDG** may be applied for control of additional broadleaf weed species and longer residual control of broadleaf weeds. Refer to the **Terbuweed Duo 900 WDG** label for dosage rates, and a list of additional weeds controlled by this product, as well as for **USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

	PLUS	PLUS	PLUS
<b>HALO 750 WDG</b> 50 g / ha	<b>Crux 425 SC</b> 1200 ml / ha	<b>Terbuweed Duo 900 WDG</b> 800 g / ha	<b>Villa 51</b> 0.1 %
<b>WEEDS CONTROLLED</b> <b>THE FOLLOWING WEEDS ARE NORMALLY CONTROLLED AT THE DOSAGE RATE AS INDICATED ABOVE:</b>			
Botanical name		Common name	
<i>Acanthospermum hispidum</i>		Upright starbur	
<i>Amaranthus hybridus</i>		Common pigweed	
<i>Amaranthus spinosus</i>		Thorny pigweed	
<i>Bidens pilosa</i>		Common blackjack	
<i>Cleome monophylla</i>		Single leaved cleome	
<i>Chenopodium album</i>		White goosefoot	
<i>Chenopodium carinatum</i>		Green goosefoot	
<i>Cyperus esculentus</i>		Yellow nutsedge	
<i>Cyperus rotundus</i>		Purple nutsedge	
<i>Datura ferox</i>		Large thorn apple	
<i>Galinsoga parviflora</i>		Gallant soldier	
<i>Portulaca oleracea</i>		Purslane	
<i>Richardia brasiliensis</i>		Tropical Richardia	
<i>Schkuhria pinnata</i>		Dwarf marigold	
<i>Tagetes minuta</i>		Tall Khaki weed	
<i>Xanthium strumarium*</i>		Cocklebur	

**Please note:** Villa 51 0.1 % = 100 ml per 100 litres water.

#### **Sugarcane**

Post-emergence application of HALO 750 WDG plus Cantron® 480 SC plus Villa 51 or Summit Super for the control of Yellow nutsedge and certain broadleaf weeds in sugarcane:

#### **NOTES**

- The adjuvants **Villa 51** or **Summit Super** must be used with all post-emergence applications of **HALO 750 WDG** plus **Cantron® 480 SC** as indicated on the registered product labels.
- For optimum control of Nutsedge, apply **HALO 750 WDG** plus **Cantron® 480 SC** on actively growing Nutsedge under moist conditions, 3 to 5 weeks after planting. Ensure that the application is made after the majority of the Nutsedges have germinated but before flowering. New germination of Nutsedge may occur if application was performed too early. Later applications, when the Nutsedges is in flower, will also give sub-optimal results.
- Refer to the **Cantron® 480 SC** label for “USE RESTRICTIONS” and “DIRECTIONS FOR USE”.

	PLUS	PLUS	OR
<b>HALO 750 WDG</b> 30 g / ha	<b>Cantron® 480 SC</b> 210 ml / ha	<b>Villa 51</b> 0.1 %	<b>Summit Super</b> 0.3 %
<b>WEEDS CONTROLLED</b> <b>THE FOLLOWING WEEDS ARE NORMALLY CONTROLLED AT THE DOSAGE RATE AS INDICATED ABOVE:</b>			
Botanical name		Common name	
<i>Commelina benghalensis</i>		Bengal commelina	
<i>Cyperus esculentus</i>		Yellow nutsedge	
<i>Cyperus rotundus</i>		Purple nutsedge	
<i>Digitaria nuda</i>		Naked crab grass	
<i>Eleusine coracana</i>		Goose grass	
<i>Ipomoea obscura</i>		Obscure morning glory	
<i>Panicum subalbidum</i>		Elbow buffalo grass	

**Please note:** Villa 51 0.1 % = 100 ml per 100 litres water; Summit Super 0.3 % = 300 ml per 100 litres.

The following products mentioned in this label are equivalent to the products mentioned below:

- **CANTRON® 480 SC** (L 8365 / N-AR 1323 / W 130651) = **ASTRON® 480 SC** (L 8366) = **CANONNE 480 SC** (L 8735) (**Mesotrione**),
- **CRUX 425 SC** (L 8325) = **CORVETTE 425 SC** (L 8323 / N-AR 1322 / W 130650) (**Atrazine + Sulcotrione**),
- **METOLACHLOR 800 EC** (L 7433) = **METOLACHLOR 800 EC** (L 7137),
- **PALLADIUM PLUS 915 EC** (L 9359 / W1301000) = **PENTIUM PLUS 915 EC** (L 9741) = **PARTISAN PLUS 915 EC** (L 9942) (**S-Metolachlor**),
- **PALLADIUM 960 EC** (L 9360 / W 130772 / N-AR 2242) = **PENTIUM 960 EC** (L 9830) = **PARTISAN 960 EC** (L 9964) (**S-Metolachlor**),
- **PLATINUM PLUS 915 EC** (L 7844) = **METOLACHLOR 915 EC** (L 7841 / N-AR 1105 / W1301418) (**Metolachlor + Benoxacor**),
- **PLATINUM 960 EC** (L 7434) = **METOLACHLOR 960 EC** (L 7136 / W 130057 / N-AR 1362) (**Metolachlor**),
- **LEAP 840 EC** (L 8064 / N-AR 1103 / W1301419) = **PREMIUM 840 EC** (L 8066) (**Acetochlor**),
- **ACETOCHLOR 900 EC** (L 7633 / N-AR 1101 / W1301407) = **PREMIUM 900 EC** (L 7637) = (**Acetochlor**),
- **PANGA PLUS 540 SL** (L 8818) = **SLASH PLUS 540 SL** (L 8819 / W 1301444) = **LYNCH PLUS 540 SL** (L 8816) (**Glyphosate**),
- **GLYGRAN 710 SG** (L 8449) = **SLASH 710 SG** (L 8450 / W 130058 / N-AR 2190) = **LYNCH 710 SG** (L 8670) (**Glyphosate**),
- **TERBUWEED 600 WDG** (L 8800) = **TERBUCIDE 600 WDG** (L 8799 / W1301046) = **TERBUMAIS 600 WDG** (L 8798) (**Terbuthylazine**),
- **TERBUWEED DUO 900 WDG** (L 9890) = **TERBUCIDE PLUS 900 WDG** (L 9888 / W130866) = **TEBUMAIS PLUS 900 WDG** (L 9998) (**Atrazine + Terbuthylazine**),
- **TERBUCLEAR 600 SC** (L 10506 / W1301416 / N-AR 2240) = **TERBUGOLD 600 SC** (L 10507) **PARTISAN GOLD 600 SC** (L 10747) (**Terbuthylazine + S-metolachlor**),
- **VILLA 51** (L 8050 / W 130454 / N-AR 1090) = **WEN 51** (L 8315),
- **SUMMIT SUPER** (L 8539) = **BENEFIT PLUS** (L 8538),
- **VELOCITY®-SUPER** (L 9603 / W 130996) = **AMS-SUPER** (L 9758) = **GLYPHO-BOOST** (L 7757) (**Ammonium sulphate**) and
- **VELOCITY®-DRYMAX** (L 9454 / N-AR 1528 / W 130995) = **AMS-GRANULE** (L 9610) (**Ammonium sulphate**).

**ACETOCHLOR 900 EC, CANTRON® 480 SC, CRUX 425 SC, METOLACHLOR 800 EC, PLATINUM PLUS 915 EC, PLATINUM 960 EC, LEAP 840 EC, TERBUSIEN SUPER 600 SC, TERBUWEED 600 WDG, TERBUWEED DUO 900 WDG, PALLADIUM PLUS 915 EC, PALLADIUM 960 EC, GLYGRAN 710 SG, PANGA PLUS 540 SL, BENEFIT PLUS and SUMMIT SUPER** are registered products of **Villa Crop Protection (Pty) Ltd.**

**CANONNE 480 SC, PARTISAN PLUS 915 EC, PARTISAN 960 EC, PARTISAN GOLD 600 SC, LYNCH PLUS 540 SL, LYNCH 710 SG, TERBUMAIS 600 WDG and TERBUMAIS PLUS 900 WDG** are registered products of **Cropasure (Pty) Ltd.**

**SORGOMIL® GOLD 600 SC** is a registered trademark of **Syngenta South Africa (Pty) Ltd.**

**ASTRON® 480 SC, METOLACHLOR 800 EC, METOLACHLOR 915EC, METOLACHLOR 960 EC, PREMIUM 900 EC, SLASH 710 SG, SLASH PLUS 540 SL, PREMIUM 840 EC, TERBUCIDE 600 WDG, TERBUCIDE PLUS 900 WDG, PENTIUM 960 EC, PENTIUM PLUS 915 EC, VELOCITY®-DRYMAX, VELOCITY®-SUPER, GLYPHO-BOOST, AMS-SUPER, AMS-GRANULE, VILLA 51 en WEN 51,** are registered products of **Universal Crop Protection (Pty) Ltd.**

**CANTRON®, ASTRON®, VELOCITY®-SUPER and VELOCITY®-DRYMAX** are registered trademarks of **Villa Crop Protection (Pty) Ltd.**

**CLASS ACT® NG** is a registered trademark of **Winfield Solutions Registration Holdings (Pty) Ltd.**