

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



Herbicide

# TROOPER 320 SL

Reg. No. L 6806 Act No. 36 of 1947

7-28/10/2024 – Nov2024

A systemic, water soluble concentrate herbicide for the selective control of various weeds in maize, sugarcane, grass pastures and turf as well in winter planted dryland wheat and irrigated wheat in the Summer Rainfall region.

## ACTIVE INGREDIENTS

dicamba (benzoate)  
2,4-D (phenoxy-carboxylate)  
(\*aminopropylmorpholine salt)

80 g ae/l (\*APM salt)

240 g ae/l (APM salt)

GROUP

4

HERBICIDE



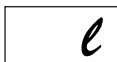
DANGER

### Hazard Statements:

Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause respiratory irritation.  
May cause long lasting harmful effects to the aquatic life.

### Precautionary Statements:

Wash hands and face thoroughly after handling.  
Dispose of contents/container to suitable landfill in accordance with local regulations.



**villa**



UN Number: 1760

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 8946

Poison Information Helpline (National): +27 861 555 777

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

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

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

**TROOPER 320 SL**

Reg. No. L 6806 Act No. 36 of 1947  
 HRAC HERBICIDE GROUP CODE: 4

**ACTIVE INGREDIENTS:**

dicamba (benzoate) ..... 80 g ae/l (\*APM salt)  
 2,4-D (phenoxy-carboxylate) ..... 240 g ae/l (APM salt)  
 (\*aminopropylmorpholine salt)

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

**WARNINGS****Withholding Periods:**

Minimum time between the last application and grazing of treated areas:	
Maize, sugarcane, grass pastures, dryland and wheat	7 days

**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 TROOPER 320 SL IS USED.

**Hazard statements:**

May be harmful if swallowed.
May be harmful in contact with skin.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause respiratory irritation.
Harmful to aquatic life with long lasting effects.

- Store in a cool place.
- Store away from food, feed, fertilizer and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- Avoid spraying under cold conditions.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the areas 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 effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest, pathogen or weed against the remedy, 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 by the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**PRECAUTIONS**

Do not breathe dust, fume, gas, mist, vapours, or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Use only outdoors in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

IF SWALLOWED: Get medical help.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water and non-abrasive soap. Get medical help.
IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get emergency medical help immediately.
If skin irritation or rash occurs: Get medical help.
Wash contaminated clothing before use.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to suitable landfill in accordance with local regulations.

- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. 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.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Clean applicator thoroughly after use using a household ammonia solution (1 %) before using with other materials. Allow solution to stand for several hours (preferably overnight). Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.

Relecant hazardous components	
Dicamba	80 g ae/l
2,4-D	240 g ae/l
Aminopropyl morpholine	< 300 g/l

**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) or +27 861 555 777 (Poison Information Helpline).

**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 TREATMENT**

- **Inhalation:** Move the victim to fresh air immediately. Keep person calm and at rest. If breathing has stopped, perform artificial respiration and administer oxygen. Only qualified medical personnel should administer oxygen. Treat symptomatically and supportively as and when required. **Obtain medical advice if necessary.**
- **Skin contact:** Remove contaminated clothing, shoes and leather goods (e.g. leather belts and watch bands). Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Seek medical attention if necessary.
- **Eyes:** Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Obtain medical attention if irritation persists.
- **Ingestion:** Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water. **Seek medical advice immediately.**

### **RESISTANCE WARNING**

**TROOPER 320 SL** is a group code 4 herbicide. Any weed population may contain individuals naturally resistant to **TROOPER 320 SL** and other group code 4 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **TROOPER 320 SL** or any other group code 4 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.

The presence of resistant weeds is difficult to detect prior to use and, therefore, neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **TROOPER 320 SL** not controlling resistant weeds. Do not apply **TROOPER 320 SL** alone in situations where weed resistance has been confirmed. Sub-standard application of **TROOPER 320 SL** will lead to inferior weed control and may assist in development of herbicide resistance.

### **MODE OF ACTION**

**TROOPER 320 SL** is a selective, systemic herbicide, absorbed by leaves and roots, translocated throughout the plant via both the symplast and apoplast. The active ingredient, **dicamba** acts as a synthetic plant growth hormone causing uncontrolled growth. Biomolecular target site is unknown.

### **USE RESTRICTIONS**

- Between application of **TROOPER 320 SL** and planting of follow-up broadleaf crops, a waiting period of 28 days should be observed.
- Only apply **TROOPER 320 SL** using an accurate and safe application technique.
- **TROOPER 320 SL** is not recommended for use on seed maize, sweet corn, popcorn and other exotic cultivars.
- **Hormone Type Herbicide:** To prevent damage, do not permit drift, vapour or spray mist to come into contact with sensitive broadleaf crops, fruit or ornamentals. Apply the product strictly in accordance with the application directions.
- Do not apply **TROOPER 320 SL** to any crop or situation not mentioned on this instruction leaflet.

<b>THE WIND SPEED AND DIRECTION AT THE TIME OF APPLICATION DETERMINE THE DISTANCE WHICH MUST SEPARATE THE EDGE OF THE AREA TO BE SPRAYED FROM SUSCEPTIBLE CROPS</b>		
<b>WIND SPEED km/h</b>	<b>AERIAL APPLICATION</b>	<b>GROUND APPLICATION</b>
1.5 to 5	800 m downwind 800 m crosswind 15 m upwind	200 m downwind 200 m crosswind 6 m upwind
5 to 10	1600 m downwind 800 m crosswind 15 m upwind	400 m downwind 200 m crosswind 1.5 m upwind
10 to 15	3200 m downwind 800 m crosswind 15 m upwind	800 m downwind 400 m crosswind 1.5 m upwind
Above 15	Prohibited	Prohibited

### **DIRECTIONS FOR USE - Use only as directed.**

#### **NOTICE TO USER:**

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**

- The compatibility of **TROOPER 320 SL** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used.
- As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

- **TROOPER 320 SL** is compatible with **Ametryn 500 SC/Ametryn 500 SC**, **ATRAZINE 900 WG** (L 8890), **Campatop 225 EC/ Bromoxynil 225 EC**, **Diuron 800 WDG/Develop 800 WDG/ Extend 800 WDG**, **DIURON 800 SC** and **Villa 51/ Wen 51**.
- When **TROOPER 320 SL** is used in conjunction with any other agricultural remedy, all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.

### Mixing Instructions

- Half-fill the spray tank with suitable water, then add the required amount of **TROOPER 320 SL** to the water in the tank while agitating.
- Fill the spray tank to the desired volume. Agitate well to ensure thorough mixing, before the spray mixture is applied.
- When applying **TROOPER 320 SL** in combination with either **Atrazine**, **Bromoxynil** or **Diuron**, the partner product should be added to the spray water prior to the **TROOPER 320 SL**.
- When **TROOPER 320 SL** is mixed with **Atrazine**, **Bromoxynil** or **Diuron**, consideration must be given to the **RECOMMENDATIONS AND RESTRICTIONS** of these respective products.
- **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.**

### 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 fitters 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 METHODS

- Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application.
- **Constant agitation throughout the spray operation is essential.**
- **Only clean water should be used.**

### Ground application:

- Knapsack sprayers or tractor mounted boom sprayers may be used.
- A spray volume in excess of 150 litres per hectare must be used and can be applied via low pressure flat fan type nozzles, preferably the low drift type to avoid fine droplets.
- **Do not** exceed a spray pressure of 2 bar.
- **Do not** exceed spray height of 50 cm above the target and ground speed of 10 km per hour.
- **Do not** apply if wind velocity exceeds 15 km per hour (as measured by hand held wind recorder).
- The difference between the wet and dry bulb readings on a whirling hygrometer must not exceed 8°C.

### Aerial application: DO NOT APPLY THIS PRODUCT BY AIR IN KWA-ZULU NATAL.

**TROOPER 320 SL** may be applied aerially on wheat, provided that the spray mixture is distributed evenly over the target area and the loss of spray material during application is restricted to a minimum. **Obtain assurance from the aerial spray operator that the following requirements will be met before the product is applied by air:**

- **Do not** apply **TROOPER 320 SL** or mixtures thereof by air to any crop other than wheat. Aerial spraying must be done by specialist applicators in compliance with requirements of Act 36 of 1947.
- Apply before the crop becomes too dense, which will prevent proper coverage of the weeds.
- A minimum spray volume of 30 litres per hectare must be applied.
- Use a conventional boom and nozzles equipped with flat fan tips e.g. SS 6515 or similar.
- A minimum of 30 to 45 droplets per cm<sup>2</sup> must be recovered on the target area.
- The CV for droplet distribution must not exceed 40 %.
- Employ a droplet spectrum with a VMD of 450 micron.

- Maintain a flying height of 3 metres above the target area at wind speeds of 0 to 8 km per hour and a flying height of two (2) metres at wind speeds of eight (8) to fifteen (15) km per hour. **Do not** spray when the wind speed exceeds 15 km per hour.
- The difference between the wet and dry bulb readings as determined by whirling hygrometer must not exceed 8° C.
- **Do not** spray during the heat of the day.
- Ensure that fields are accurately marked.

## RECOMMENDATIONS

<i>Situation</i>	<i>Application Rate ℓ/ha</i>	<i>Remarks</i>
<b><u>Maize</u></b>	0.5 ℓ <b>TROOPER 320 SL PLUS</b> 2.0 ℓ <b>Agrizine 500 SC</b>  <b>OR</b>  1.1 kg <b>Atrazine 900 WG PLUS</b> 0.1 % <b>Villa 51</b>	Apply from full emergence of the maize crop until a height of 30 cm has been reached.  Where the maize crop exceeds 30 cm in height, drop arms should be used to direct the spray beneath the leaf canopy of the maize.  Ensure in all cases that the spray cloud reaches the target. Spray when weeds are in the 3 to 6 leaf stage.

## REMARKS

- Spraying should be carried out when the crop is in a suitable stage of development as indicated.
- **Do not spray TROOPER 320 SL plus Atrazine** once the crop reaches a height of 800 mm (approximately 20 days before tassel emergence).
- For best performance apply when weeds are still small (less than 75 mm or rosettes of 150 mm diameter) and actively growing. **Rosettes of *Tribulus terrestris* should not exceed 50 mm diameter.**

<i>Situation</i>	<i>Application Rate ℓ/ha OR kg/ha</i>	<i>Remarks</i>
<b><u>Sugarcane</u></b> (Plant and ratoon)	2.5 ℓ <b>TROOPER 320 SL PLUS</b> 0.1 % <b>Villa 51</b>	<u>Post-emergence broadleaf weed control.</u>  Can be applied as either an over the top or as a directed interrow spray.  Apply to weeds less than ten (10) cm in height.
	2.0 ℓ <b>TROOPER 320 SL PLUS</b> 2.5 ℓ /ha <b>Diuron 800 SC</b> <b>OR</b> 2.5 kg/ha <b>Diuron 800 WDG PLUS</b> 0.1 % <b>Villa 51</b>	<u>Post-emergence weed control</u> with long term residual control. Can be applied as either an over the top or as a directed interrow spray.  Apply to broadleaf weeds less than 10 cm in height and grasses up to the three (3) leaf stage.

**REMARKS**

- Best results will be obtained with **TROOPER 320 SL** alone or in mixture with **Diuron 800 SC OR Diuron 800 WDG** when growing conditions are ideal and weeds are young and actively growing.

<b>Situation</b>	<b>Application Rate ℓ/ha OR kg/ha</b>	<b>Remarks</b>
<b><u>Wheat</u></b>  <b><u>Ground application</u></b> Winter rainfall region	1.0 ℓ to 1.25 ℓ <b>TROOPER 320 SL</b>  <b>PLUS</b> 0.1 % <b>Villa 51</b>	Apply between growth stages seven (7) and thirteen (13) according to the list of growth stages for wheat drawn up by the ARC – Small Grain Institute. The weeds should not have developed beyond the 6 leaf stage, and should be actively growing.
Summer rainfall region (dryland)	1.25 ℓ <b>TROOPER 320 SL</b> <b>PLUS</b> 0.1 % <b>Villa 51</b>	Apply between growth stages 7 and 13 according to the list of growth stages for wheat drawn up by the ARC – Small Grain Institute. The weeds should not have developed beyond the 6 leaf stage, and should be actively growing.
<b><u>Wheat</u></b>  <b><u>Aerial application</u></b> Winter and summer rainfall regions (dryland)	1.25 ℓ to 1.50 ℓ <b>TROOPER 320 SL</b>  <b>PLUS</b> 0.1 % <b>Villa 51</b>	Apply between growth stages 7 and 13 according to the list of growth stages for wheat drawn up by the ARC – Small Grain Institute. Use the higher <b>TROOPER 320 SL</b> rate for severe weed infestations and/or later growth stages. <b><u>IMPORTANT</u></b> Weeds must be growing actively.
Summer rainfall region (dryland and irrigated)	0.5 ℓ to 0.75 ℓ <b>TROOPER 320 SL</b> <b>PLUS</b> 1.5 ℓ <b>Campatop 225 EC</b>	Apply between growth stages 7 and 13 according to the list of growth stages for wheat drawn up by the ARC – Small Grain Institute. Weeds should not have developed beyond the 3 to 6 leaf stage. Weeds should not be under drought stress and should be actively growing.

**REMARKS**

- Apply **TROOPER 320 SL** or tank mixture of **TROOPER 320 SL** with **Bromoxynil** only when the crop is in the correct stage of development as indicated.
- Under certain conditions **TROOPER 320 SL** may cause a prostrate growth habit of wheat stems soon after treatment. This effect will be temporary and the plants will recover completely.

<b>Situation</b>	<b>Application Rate ℓ/ha</b>	<b>Remarks</b>
<b><u>Grass pastures</u></b>	2.5 ℓ to 5.0 ℓ <b>TROOPER 320 SL</b>  <b>PLUS</b> 0.1 % <b>Villa 51</b>	Apply after the grass has become established. A follow-up spot application may be necessary where good coverage was not obtained.  An application of a nitrogenous fertiliser 2 to 3 weeks prior to application is recommended.

**REMARKS**

- Ensure good spray coverage of target weeds, especially when pasture grasses are a tall growing variety.

<b>Situation</b>	<b>Application Rate ℓ/ha</b>	<b>Remarks</b>
<b><u>Lawns and Turf</u></b>	6.0 ℓ <b>TROOPER 320 SL</b>  <b>PLUS</b> 0.1 % <b>Villa 51</b>	For the control of most annual and perennial broadleaf weeds and the suppression of Yellow nutsedge.

**REMARKS**

- **TROOPER 320 SL** may be safely used to control emerged weeds most turf grass varieties, provided it is well established.
- Under certain conditions the grass may become discoloured. This should disappear after one or two mowings.
- Ideally, mowing should not take place 5 to 7 days prior to application, in order to allow for adequate broadleaf weed development.
- **Do not** mow within three (3) days after application in order to permit maximum uptake of the herbicide.
- Treat weeds in the earliest stage of development. Poor control may be obtained if weeds are mature or growing under unfavourable conditions.
- **Do not** apply to turf grass under stress or adverse weather conditions such as heat, cold, drought or excessive rain.
- **Rain within two (2) hours of application may diminish the effect.**
- Irrigation is best delayed until the day following application.
- **TROOPER 320 SL** should not be used on bowling or putting greens.

**MAIZE – WEEDS CONTROLLED**

0.5 ℓ/ha <b>TROOPER 320 SL</b>	<b>PLUS</b>	2.0 ℓ/ha <b>Atrazine 500 SC</b>
<b>WEEDS CONTROLLED</b>		
<b>Botanical name</b>	<b>Common name</b>	
<i>Amaranthus hybridus</i>	Common pigweed	
<i>Amaranthus deflexus</i>	Perennial pigweed	
<i>Amaranthus thunbergii</i>	Red pigweed	
<i>Bidens bipinnata</i>	Spanish blackjack	
<i>Bidens pilosa</i>	Blackjack	
<i>Chenopodium album</i>	White goosefoot	
<i>Citrillus lanatus</i>	Wild watermelon	
<i>Cleome monophylla</i>	Spindlepod	
<i>Commelina benghalensis</i>	Bengal wandering jew	
<i>Conyza bonariensis</i>	Fleabane	
<i>Datura stramonium</i>	Thorn apple	
<i>Datura ferox</i>	Large thorn apple	
<i>Ipomoea purpurea</i>	Common morning glory	
<i>Nicandra physaloides</i>	Apple of Peru	
<i>Physalis angulata</i>	Wild gooseberry	
<i>Portulaca oleracea</i>	Purslane	
<i>Schkuhria pinnata</i>	Dwarf marigold	
<i>Tagetes minuta</i>	Khaki weed	
<i>Xanthium strumarium</i>	Cocklebur	



**SUGARCANE – WEEDS CONTROLLED**

2.5 ℓ/ha <b>TROOPER 320 SL</b>	
<b>WEEDS CONTROLLED</b>	
<b>Botanical name</b>	<b>Common name</b>
<i>Amaranthus hybridus</i>	Common pigweed
<i>Bidens pilosa</i>	Blackjack
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Capsella bursa-pastoris</i>	Shepherd's purse
<i>Chenopodium album</i>	White goosefoot
<i>Conyza sumatrensis</i>	Tall fleabane
<i>Coronopus didymus</i>	Swine cress
<i>Datura stramonium</i>	Thorn apple
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Nicandra physaloides</i>	Apple of Peru
<i>Solanum nigrum</i> (complex)	Nightshade
<i>Tagetes minuta</i>	Khaki weed

2.0 ℓ/ha <b>TROOPER 320 SL</b>	<b>PLUS</b>	2.5 ℓ/ha <b>Diuron 800 SC</b>	<b>OR</b>	2.5 kg/ha <b>Diuron 800 WDG</b>
<b>Botanical name</b>				<b>Common name</b>
<i>Ageratum conyzoides</i>				Invading ageratum
<i>Hypochoeris radicata</i>				Hairy wild lettuce
<i>Parthenium hysterophorus</i>				Parthenium
<i>Tagetes minuta</i>				Khaki weed
<b>Variable control or suppression of the following weeds will be obtained using the above tank mixture:</b>				
<b>Botanical name</b>				<b>Common name</b>
<i>Panicum maximum</i>				Guinea grass
<i>Cyperus esculentus</i>				Yellow nutsedge
<i>Cyperus rotundus</i>				Purple nutsedge

**WHEAT – WEEDS CONTROLLED**

1.0 to 1.25 ℓ/ha <b>TROOPER 320 SL</b>	
<b>WEEDS CONTROLLED</b>	
<b>Botanical name</b>	<b>Common name</b>
<i>Emex australis</i>	Spiny emex
<i>Fumaria muralis</i>	Fumitory
<i>Raphanus raphanistrum</i>	Wild radish
<i>Rumex angiocarpus</i>	Sheep sorrel

0.75 ℓ/ha <b>TROOPER 320 SL</b>	<b>PLUS</b>	1.5 ℓ/ha <b>Campatop 225 EC</b>
<b>WEEDS CONTROLLED</b>		
<b>Botanical name</b>		<b>Common name</b>
<i>Bilderdykia convolvulus</i>		Climbing knotweed
<i>Chenopodium album</i>		White goosefoot
<i>Chenopodium carinatum</i>		Green goosefoot
<i>Fumaria muralis</i>		Fumitory
<i>Polygonum aviculare</i>		Prostrate knotweed
<i>Raphanus raphanistrum</i>		Wild radish

**LAWNS AND TURF – WEEDS CONTROLLED**

6.0 L/ha	
TROOPER 320 SL	
WEEDS CONTROLLED	
Botanical name	Common name
<i>Amaranthus spp.</i>	Pigweed
<i>Argemone subfusiformis</i>	Mexican poppy
<i>Bidens pilosa</i>	Blackjack
<i>Bidens formosa</i>	Cosmos
<i>Capsella bursa-pastoris</i>	Shepherd's purse
<i>Chenopodium album</i>	White goosefoot
<i>Commelina benghalensis</i>	Benghal's wandering jew
<i>Coronopus didymus</i>	Swine cress
<i>Cotula anthemoides</i>	Cotula
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Thorn apple
<i>Emex australis</i>	Spiny emex
<i>Chamaesyce prostrata</i>	Hairy creeping milkweed
<i>Chamaesyce hirta</i>	Red milkweed
<i>Chamaesyce inaequilatera</i>	Smooth creeping milkweed
<i>Hypochoeris radicata</i>	Hairy wild lettuce
<i>Medicago polymorpha</i>	Burclover
<i>Paronychia braziliiana</i>	Brazilian paronychia
<i>Nidorella resedifolia</i>	Nidorella
<i>Polygonum aviculare</i>	Prostrate knotweed
<i>Portulaca oleracea</i>	Purslane
<i>Raphanus raphanistrum</i>	Wild radish
<i>Stellaria media</i>	Chickweed
<i>Tagetes minuta</i>	Khaki weed
<i>Taraxacum officinale</i>	Dandelion
<i>Tribulus terrestris</i>	Dubbeltjie
<i>Vicia hirsuta</i>	Tiny vetch
<i>Vicia sativa</i>	Common vetch

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

- **CAMPATOP 225 EC** (L 5320 / N-AR 1115 / W 1301421) = **BROMOXYNIL 225 EC** (L 4466 / W 130530),
- **VILLA 51** (L 8050 / W 130454 / N-AR 1090) = **WEN 51** (L 8315) (Isotridecanol).
- **AMETRYN 500 SC** (L 7742 / L 7743) and
- **DIURON 800 WDG** (L 9653) = **DEVELOP 800 WDG** (L 9109) = **EXTEND 800 WDG** (L 9108 / W1301047).

**CAMPATOP 225 EC, AMETRYN 500 SC and DEVELOP 800 WDG**  
are registered products of  
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**BROMOXYNIL 225 EC, EXTEND 800 WDG, ATRAZINE 900 WG, DIURON 800 WDG, WEN 51, VILLA 51**  
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