

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



Herbicide

LOUPE 420 SC

Reg. No. L 10621 Act No. 36 of 1947

3: 17/06/2025 - June 2026

A suspension concentrate herbicide for the control of certain grasses and broad-leaved weeds in maize.

ACTIVE INGREDIENTS

tembotrione (triketone)	420 g/l
isoxadifen-ethyl (safener)	210 g/l

GROUP

27

HERBICIDE



WARNING



Hazard Statements:

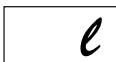
May cause an allergic skin reaction.
 Suspected of damaging fertility or the unborn child.
 May cause damage to the eyes, kidneys and liver through prolonged or repeated exposure.
 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release to the environment.
 Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED
 Batch Number: _____
 Expiry/Date: _____
 Date of Manufacture: _____



UN Number: 3082

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

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)

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HRAC HERBICIDE GROUP CODE : 27

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65 Botes Road, KEMPTON PARK, 1619

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WARNINGS**Withholding period**

Allow the following number of days between the last application and grazing or fodder use of treated crop:	
Maize (feeding)	70 days

Hazard statements:

May cause an allergic skin reaction
Suspected of damaging the unborn child
May cause damage to the eyes, kidneys and liver through prolonged or repeated exposure
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects.

- 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 remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **In case of poisoning immediately call a doctor and make this label available to him/her.**

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weeds to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further does not accept responsibility for damage to crops, vegetation and the environment, or harm to man or animal, or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS**Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Do not breathe mists, vapour or spray.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF exposed or concerned, get medical advice.
Get medical help if you feel unwell.
See specific treatment on this label.
If skin irritation or rash occurs: Get medical help.
Collect spillage.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid contact with eyes, skin or clothing.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources by using a suitable drift retardant such as **INTERLOCK®** (L 10254 / W 130875 / N-AR 1856).
- Thoroughly clean the spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- The applicator should not be used for applying chemicals other than herbicides.
- **TRIPLE RINSE THE EMPTY 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 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) 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.

Relevant hazardous components	
Tembotrione	420 g/l
Isoxadifen-ethyl	210 g/l
Ethanediol	<10 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).

SYMPTOMS OF HUMAN POISONING

Harmful if swallowed. May cause sensitization by skin contact. May cause mild eye irritation.

FIRST AID TREATMENT

- **General advice:** Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure and consult a doctor. If exposed or concerned, get medical advice.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation or rash occurs.**
- **Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek 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.

ADVICE TO PHYSICIAN

No antidote available. Treat symptomatically and supportively. In cases of ingestion of large amounts, gastric lavage may be indicated.

RESISTANCE WARNING

LOUPE 420 SC is a group code 27 herbicide. Any weed population may contain individuals naturally resistant to **LOUPE 420 SC** and any other group code 27 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **LOUPE 420 SC** or any other group code 27 herbicides.

To delay herbicide resistance:

- avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes,
- integrate other control methods (chemical, cultural, biological) into weed control programmes.

For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS

- To avoid damage to follow-up crops, refer to the waiting periods on the **Terbusien Super 600 SC** (L 5435 / N-AR 1110), and **Terbuweed Duo 900 WDG** labels.
- Avoid excessive overlapping of spray swaths and double spraying.
- Over-application, application at the incorrect growth stage, or any other use not in accordance with the directions on this label may cause crop damage.
- **LOUPE 420 SC** has not been tested on inbred parent plants of maize hybrids, experimental hybrids or cultivars, newly released hybrids or cultivars, sweetcorn or popcorn. **Do not** apply **LOUPE 420 SC** without first consulting a representative of **Villa Crop Protection (Pty) Ltd** or the seed supplier.

Mode of Action:

LOUPE 420 SC contains **tembotrione**, a triketone compound which belongs to the HRAC group code 27. It is a selective, systemic herbicide, translocated in the phloem and xylem. **Tembotrione** causes chlorosis and discoloration, leading to necrosis and death within 2 weeks. Tembotrione acts by inhibition of 4-hydroxyphenylpyruvate dioxygenase (HPPD), resulting in blockage of plastoquinone biosynthesis and, ultimately, carotenoid biosynthesis.

DIRECTIONS FOR USE: Only use 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:

- **LOUPE 420 SC** is compatible with **Destinaire®**, **Interlock®**, **TERBUSIEN SUPER 600 SC** (L 5435 / N-AR 1110), **Terbuweed duo 900 WDG/ Terbucide plus 900 WDG**, **Panga Plus 540 SL/ Slash plus 540 SL / Lynch plus 540 SL**, **Pentium 960 EC/ Palladium 960 EC**, **Villa 51**, **Velocity® Drymax**.
- The compatibility of **LOUPE 420 SC** may be influenced by several factors. As factors influencing compatibility may vary, a physical compatibility test must always be performed before such tank mixture is sprayed.
- When **LOUPE 420 SC** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

Mixing instructions:

- Prepare a pre-mix in a separate container with the required amount of **LOUPE 420 SC** and **Terbusien Super 600 SC** in approximately 10 litres of clean water in a separate container.
- Half fill the spray tank with water.
- Add the required amount of ammonium sulphate (**Velocity® DryMax**) to the tank. Ensure that it is fully dissolved before adding the pre-mix and top up with water.
- When mixing **LOUPE 420 SC** with other herbicides (as registered on this label), use the following procedure:
 - a. Mix the required quantity of **WDG** or **WP** products in a small quantity of water to make a smooth cream and add this to the spray mixture or add the water-soluble bags to the spray mixture.
 - b. In the following order add any additional products: **SC** or **SE** formulations, followed by **EC**, **EW** or **ME** formulations. Lastly add product of **SL**, **SG** or **SP** formulation types. Ensure to pre-mix products individually before adding them to the spray mixture.
 - c. Add the wetter i.e. **Villa 51** as well as the drift retardant **Interlock®**, last into the tank.
- Maintain continuous suspension in the spray tank by means of proper agitation.
- Prepared spray mixtures must not be left in the spray tank for any length of time, e.g. overnight.

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:

- Ensure even coverage of the weed foliage by using nozzle types that are suitable for optimum post emergence application, such as double outlet flat fan (e.g. Turbo Twinjet) nozzles.
- Apply by means of a tractor mounted boom sprayer with continual agitation and which is correctly calibrated to deliver at least 200 to 300 litres spray mixture per hectare.
- Spray as soon as possible after mixing for optimum results.
- After completion of each day's spraying, flush the tank and spray booms and nozzles out thoroughly with water.

APPLICATION RATES

The recommended use of **LOUPE 420 SC** in a weed control spray program in maize is as follows:

- At plant – It is recommended to follow a pre-emergence herbicide programme.
- Approximately 4 to 6 weeks later (depending on the weed growth stage), apply a broadcast spray of **LOUPE 420 SC** as recommended in the “**Application Rates**” table below.
- Where residual control of grass weeds is required, a tank mixture with **Pentium 960 EC** can be applied as indicated below.

MAIZE (Excluding sweet corn):

1. **Post-emergence application of LOUPE 420 SC in a tank mixture with Terbusien Super 600 SC or in tank mixture with Terbusien Super 600 SC, Pentium 960 EC and Villa 51 or in a tank mixture with Terbuweed Duo 900 WDG, Pentium 960 EC and adjuvants as shown in the table below.**

LOUPE 420 SC 180 ml/ ha	PLUS	Terbusien Super 600 SC 1000 ml/ha	PLUS	Velocity® DryMax 1 % M/V	PLUS	Villa 51 0.1 % V/V		
OR								
LOUPE 420 SC 180 ml/ ha	PLUS	Terbusien Super 600 SC 800 ml/ ha	PLUS	Pentium 960 EC 510 ml/ ha	PLUS	VILLA 51 0.1 % V/V		
OR								
LOUPE 420 SC 180 ml/ ha	PLUS	Terbuweed Duo 900 WDG 540 g / ha	PLUS	Pentium 960 EC 510 ml/ ha	PLUS	Destinaire® 1 %	PLUS	Interlock® 300 ml/ha
Overall application:								
<ul style="list-style-type: none"> Apply when weeds are between 4- to 6-leaf growth stage. Ensure total coverage of the weed foliage. Calculate percentage Velocity® DryMax according to water volume applied per hectare. LOUPE 420 SC may cause chlorosis of maize leaves. These symptoms are of a transitory nature and yield will not be affected. Do not apply LOUPE 420 SC when maize or weeds are under stress (cold, drought, etc.). LOUPE 420 SC may cause chlorosis of maize leaves. These symptoms are of a transitory nature and yield will not be affected. Refer to the Terbusien Super 600 SC, Terbuweed Duo 900 WDG, Pentium 960 EC and adjuvant labels for ADDITIONAL WEED SPECIES, WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE. 								
Re-cropping intervals:								
The listed re-cropping intervals are valid only if the correct dosage rate of Terbusien Super 600 SC and/or Terbuweed Duo 900 WDG (Atrazine + Terbutylazine) was applied and normal or above average rainfall occurred, after application.								
Grain sorghum							12 months	
Sunflowers, Groundnuts, Soybeans, Potatoes, Dry beans, Forage sorghum and Small grains							18 months	
Other crops not listed							24 months	
Maize & Sugarcane							None	

GLYPHOSATE TOLERANT MAIZE ONLY:**2. Post-emergence application of LOUPE 420 SC in a tank mixture with Panga Plus 540 SL and Velocity® DryMax.**

LOUPE 420 SC 180 mL/ha	PLUS	Panga Plus 540 SL 1.3 to 2 L/ha	PLUS	Velocity® DryMax 1 % M/V
<ul style="list-style-type: none"> • Apply as above. • For more information regarding weeds controlled and application instructions, refer to the Panga Plus 540 SL label. • Do not apply LOUPE 420 SC when maize or weeds are under stress (cold, drought, etc.). • LOUPE 420 SC may cause chlorosis of maize leaves. These symptoms are of a transitory nature and yield will not be affected. • Refer to the Panga Plus 540 SL and adjuvant labels for ADDITIONAL WEED SPECIES, WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE 				

WEEDS CONTROLLED BY LOUPE 420 SC IN TANK MIXTURE WITH TERBUSIEN SUPER 600 SC PLUS PENTHIUM 960 EC OR PANGA PLUS 540 SL AND ADJUVANTS AS RECOMMENDED:

Grass weeds:	
Botanical name	Common name
<i>Dactyloctenium aegyptium</i>	Crowfoot
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Echinochloa colona</i>	Marsh grass
<i>Eleusine coracana</i>	Goose grass
<i>Setaria pallide-fusca</i>	Red Bristle grass
Other annual grass weed species, not mentioned in this list, may also be controlled to a certain extent by LOUPE 420 SC . The registration holder, however, cannot accept responsibility regarding weeds not listed here.	
Broad-leaved weeds:	
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i>	Common pigweed
<i>Bidens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Commelina benghalensis</i>	Bengal wandering Jew
<i>Crotalaria sphaerocarpa</i>	Mealie Crotalaria
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Thorn apple
<i>Ipomoea obscura</i>	Small white morning glory
<i>Ipomoea purpurea</i>	Morning glory
<i>Nicandra physaloides</i>	Apple of Peru
<i>Physalis angulate</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Purslane
<i>Richardia brachiensis</i>	Mexican richardia
<i>Schkuria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khaki weed
<i>Tribulus terrestris</i>	Devil's thorn
<i>Galinsoga parviflora</i>	Small-flowered quickweed

WEEDS CONTROLLED BY LOUPE 420 SC IN TANK MIXTURE WITH TERBUWEED DUO 900 WDG PENTIUM 960 EC AND ADJUVANTS AS RECOMMENDED:	
WEEDS CONTROLLED	
Botanical name	Common name
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i>	Common pigweed
<i>Argemone ochroleuca</i>	White flowered Mexican poppy
<i>Bidens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Commelina benghalensis</i>	Bengal wandering Jew
<i>Crotalaria sphaerocarpa</i>	Mealie Crotalaria
<i>Cyperus esculentus*</i>	Yellow nutsedge
<i>Dactyloctenium aegypticum</i>	Crowfoot
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Thorn apple
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Dysphania x bontei</i>	-
<i>Echinochloa colona</i>	Marsh grass
<i>Eleusine coracana</i>	Goose grass
<i>Eleusine indica</i>	Goose grass
<i>Galinsoga parviflora</i>	Small-flowered quickweed
<i>Ipomoea obscura</i>	Small white morning glory
<i>Ipomoea purpurea</i>	Morning glory
<i>Nicandra physaloides</i>	Apple of Peru
<i>Malva parviflora</i>	Small mallow
<i>Panicum schinzii (= laevifolium)</i>	Sweet buffalo grass
<i>Physalis angulate</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Purslane
<i>Richardia brachiensis</i>	Mexican richardia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Setaria pumila (= pallide-fusca)</i>	Palmgrass
<i>Setaria pumila</i>	Garden bristle grass
<i>Tagetes minuta</i>	Tall Khaki weed
<i>Tribulus terrestris*</i>	Dubbeltjie
<i>Xanthium strumarium*</i>	Cocklebur

* Variable control of these weeds.

Consult the **Terbusien Super 600 SC**, **Pentium 960 EC**, **Panga Plus 540 SL**, **Terbuweed Duo 900 WDG**, **Destinaire®**, **Interlock®**, **Velocity® Drymax** and **Villa 51** labels for **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE**.

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

- **VILLA 51** (L 8050 / W 130454 / N-AR 1090) = **WEN 51** (L 8315) and
- **PENTIUM 960 EC** (L 9830) = **PALLADIUM 960 EC** (L 9360) (**S-metolachlor**),
- **TERBUCIDE PLUS 900 WDG** (L 9888) = **TERBUWEED DUO 900 WDG** (L 9890) (**Atrazine + Terbutylazine**),
- **VELOCITY® DRYMAX** (L 9454 / W 130995 / N-AR 1528) = **AMS-GRANULE** (L 9610) and
- **PANGA PLUS 540 SL** (L 8818) = **SLASH PLUS 540 SL** (L 8819) = **LYNCH PLUS 540 SL** (L 8816) (**Glyphosate**).

TERBUSIEN SUPER 600 SC, **TERBUWEED DUO 900 WDG**, **VILLA 51**, **WEN 51**, **VELOCITY® DRYMAX**, and **AMS-GRANULE** are registered products of **VILLA CROP PROTECTION (PTY) LTD.**

**TERBUCIDE PLUS 900 WDG,
LYNCH PLUS 540 SL, SLASH PLUS 540 SL, PENTIUM 960 EC, VELOCITY® DRYMAX** are registered
products of
UNIVERSAL CROP PROTECTION (PTY) LTD.

PALLADIUM 960 EC is a registered product of
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