

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



Herbicide

SERIES 240 EC

Reg. No. L 8913 Act No. 36 of 1947
W 130874

6. 22/3/2023 – April 2023

A selective systemic herbicide for post-emergence control of grass weeds and volunteer maize (including Glyphosate tolerant maize) in crops as indicated plus forestry plantations/areas.

ACTIVE INGREDIENT

clethodim (cyclohexanedione) 240 g/l

GROUP

1

HERBICIDE



DANGER

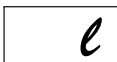
Hazard Statements:

May be harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Harmful if inhaled.
May cause genetic defects.
May cause cancer.

May damage the unborn child.
Harmful to aquatic life with long lasting effects.

Precautionary Statements:

Obtain, read and follow all safety instructions before use.
Wash hands thoroughly after handling.
Do not touch eyes.
Avoid release to the environment.



villa

UN Number: Not Regulated

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1983/008184/07
P.O. Box 801, Kempton Park, 1620
Tel. (011) 396 2233
Website: 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:

SERIES 240 EC

Reg. No. L 8913 / W 130874 Act No. 36 of 1947
 HRAC HERBICIDE GROUP CODE: 1

ACTIVE INGREDIENT:

clethodim (cyclohexanedione)240 g/l

Registration holder:

UNIVERSAL CROP PROTECTION (PTY) LTD.

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P.O. Box 801, KEMPTON PARK, 1620,

Tel. (011) 396 2233

WARNINGS**Withholding periods:**

Minimum number of days between the last application and harvest:	
Canola	90 Days
Other crops	28 Days

Hazard statements:

May be harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Harmful if inhaled.
May cause genetic defects.
May cause cancer.
May damage the unborn child.
Harmful to aquatic life with long lasting effects.

- Handle with care.
- **Do not induce vomiting** if swallowed, due to an aromatic solvent.
- Do not contaminate dams, rivers, lakes or any other water sources.
- Store in a cool, dry, well-ventilated area.
- 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.

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

PRECAUTIONS**Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Avoid breathing dust, fume, gas, mists, vapours or spray.
Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
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 SWALLOWED: Get emergency medical help immediately.

IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
IF exposed or concerned, get medical advice.
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical help.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not eat, drink or smoke while mixing, applying or before washing hands and face or change of clothing.
- Prevent drift on to other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Keep the product away from sources of ignition.
- Clean the applicator after use and dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- **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.

<u>Relevant hazardous components</u>	
Clethodim	240 g/l
N-methyl-2-Pyrrolidone	< 10%
Naphtha (heavy aromatic solvent)	< 40 %
Liquid Petroleum	< 40 %
Calcium dodecylbenzene sulfonate	< 10 %
Pesticide Emulsifier 1601	< 10 %

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 immediately consult a doctor.

- **Skin contact:** Remove contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.
- **Eye contact:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention immediately.**
- **Inhalation:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform mechanical artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. **Get medical attention immediately.**
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. **Do not induce vomiting, product contains aromatic solvent.** Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

NOTE TO PHYSICIAN

No specific antidote. Treat symptomatically and supportively.

Mode of Action:

SERIES 240 EC contains **Clethodim**, a cyclohexane oxime compound which belongs to HRAC group 1. It is used as a post-emergence herbicide to control annual and perennial grass weeds in broad leaf crops. **Clethodim** is a selective, systemic herbicide that is absorbed by the foliage and translocated acropetally and basipetally in the phloem and xylem to the root system and the growing parts of the plant.

RESISTANCE WARNING

SERIES 240 EC is a group code 1 herbicide. Any weed population may contain individuals naturally resistant to **SERIES 240 EC** and other group code 1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SERIES 240 EC** or any other group code 1 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.

USE RESTRICTIONS

- **Where follow-up crops are to be planted after SERIES 240 EC applications, apply the following withholding periods:**

- **Broadleaf crops: None**

Maize, other grains and grass crops: The pre-plant interval for the 0.5 litre per hectare dosage rate is seven (7) days for dosages higher than 0.5 litre per hectare the pre-plant interval should not be less than 30 days.

The higher pre-plant dosage rates (<0.5 litre per hectare) are **NOT** recommended where grass crops (maize and other grain crops) are to be planted.

- **Important – Applications in sandy soils (< 10 % clay) may still result in slight phytotoxicity where these crops are planted as follow-up crops.**

- Allow at least four (4) days after a **SERIES 240 EC** application before applying any other agrochemical treatment. Do not tank mix **SERIES 240 EC** with a fungicide application in Canola.
- Weeds that have not emerged at the time of application will not be controlled by **SERIES 240 EC**.
- Do not apply to crop or weeds under stress conditions such as moisture (drought or if the area to be treated is severely waterlogged), extreme temperatures, insect damage, nutrient deficiencies, herbicide carry over or wind damage as poor control and/or crop damage may occur.
- Apply **only** during moist conditions when the weeds are growing actively.
- Rain or irrigation within one (1) hour after a **SERIES 240 EC** application may require a follow-up application.
- Do not apply **SERIES 240 EC** to large areas of newly released cultivars, before consulting your local **SERIES 240 EC** representative or distributor, or prior to testing phytotoxicity.
- Under certain conditions **SERIES 240 EC** may cause some crinkling and cupping of emerging *Eucalyptus* leaves. However, this is normally of a temporary nature and growth will not be affected adversely.

DIRECTIONS FOR USE: Use only as directed.**Compatibility:**

- **SERIES 240 EC** may be applied in tank mixtures with **Slash 710 SG/Glygran 710 SG/Lynch 710 SG** and **Slash Plus 540 SL/Panga Plus 540 SL/Lynch Plus 540 SL**.
- **For pre-plant control of volunteer Glyphosate resistant maize plus broadleaf weeds SERIES 240 EC** may be applied in tank mixtures with **Slash 710 SG/Glygran 710 SG/Lynch 710 SG** and **2,4 D AMINE 480 SL** (L 4505 / N-AR 1096 / W 130459) or **Lexus 480 SL/Lotus 480 SL** or **Trade 700 WDG/Transfer 700 WDG**.
- **SERIES 240 EC** must **NOT** be applied in tank mixtures with any other agrichemical products, other than the ones listed above.
- **SERIES 240 EC** must always be used in combination with one of the following adjuvants:
 - **Link / Direct / Solwet** plus **Velocity® Super/AMS-Super** or **Velocity®-DryMax/AMS-Granule**.
 - **OR Summit Super/Benefit Plus**.
 - **OR DESTINAIRE® plus INTERLOCK®**.
- Always consult the applicable product labels for **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE**.

Mixing instructions:

- Shake the **SERIES 240 EC** container before use. Close the container tightly after use.
- Half fill spray tank with clean water and ensure agitation. Add the required volume of **SERIES 240 EC** to the water in the spray tank.
- Fill the mixing tank to the required final volume while agitating, to ensure thorough mixing.
- Ensure thorough agitation of the mixture in the spray tank during mixing and spraying.

- Prepared spray mixture must not be left in the spray tank for any length of time, e.g., overnight.

Cleaning of spray equipment after application:

- Clean spraying equipment immediately after application of the final tank mixture of **SERIES 240 EC** for each day's spraying operation.
- Thoroughly clean the sprayer, including the boom and boom and nozzles by flushing the system with water and detergent and spraying it through the boom and nozzles.
- Flush and spray the remaining detergent solution out of the complete system with clean water.

Ground application:

- Apply **SERIES 240 EC** with a properly calibrated sprayer, in good working order, with flat fan spray nozzles.
- Apply at a low spray pressure (100 to 200 kPa) to obtain a medium to coarse droplet spray spectrum.
- Apply in at least 200 litres water per hectare, to ensure complete and even spray coverage over the entire leaf area of the target plant, especially where the crop canopy is dense.

APPLICATION RATES

IMPORTANT NOTES

- Apply **SERIES 240 EC** only on actively growing grass weeds and/or volunteer maize, which are within the recommended growth stages as directed below.
- Apply the lower recommended dosage rates on younger grass weeds and the higher dosage rates on older grass weeds as required for the different species as indicated in the list below.

Crop	Dosage per hectare ℓ or kg/ha	Remarks
<u>Green beans,</u> <u>Soybeans,</u> <u>Sunflowers,</u> <u>Groundnuts,</u> <u>Dry beans,</u> <u>Potatoes</u> <u>Lucerne,</u> <u>Onions,</u>	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS Adjuvants*	Apply as a post-emergent application on grass weeds during the weeds' growth stages as indicated below. Refer also " USE RESTRICTIONS " above.
<u>Carrots</u>	0.375 ℓ	Apply the SERIES 240 EC when the carrots are between the 2 to 6 true leaf stage.
<u>Orchards</u> <u>(Citrus, Pome &</u> <u>Stone fruit) &</u> <u>Vines</u>	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS Adjuvants*	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
<u>Canola</u>	0.5 ℓ (25 ml / 10 ℓ) PLUS Adjuvants*	Apply once the Canola has reached at least the 2 to 3 leaf stage, and not later than the 8-leaf growth stage (prior to the beginning of stem elongation). Apply to actively growing weeds at the correct growth stage as indicated in the " WEEDS CONTROLLED " table. Refer " USE RESTRICTIONS ".
<u>Leguminous pastures</u>	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS Adjuvants*	Apply prior to the beginning of flowering, as Clethodim may cause flower-drop in leguminous pastures. Apply to actively growing weeds at the correct growth stage as indicated in the " WEEDS CONTROLLED " table.

Crop	Dosage per hectare ℓ or kg/ha	Remarks
Afforestation (<i>Eucalyptus</i> and Pine trees)	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS Adjuvants*	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
Pre-plant control of volunteer Glyphosate resistant maize plus broadleaf weeds and grasses	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS 1.5 kg (75 g / 10 ℓ) Slash 710 SG	For the control of volunteer Glyphosate resistant maize plus broadleaf weeds and grasses (as specified in tables below) in pre-plant situations. Apply the higher dosage rate to bigger plants up to 8-leaf stage.
Post emergence Glyphosate resistant soybeans	OR 2.0 ℓ (100 ml / 10 ℓ) Slash Plus 540 SL PLUS Adjuvants*	<u>PLEASE NOTE THE PRE-PLANT INTERVAL FOR THE 0.5 litre per hectare DOSAGE RATE IS seven (7) DAYS FOR FOLLOW UP GRAIN CROPS (MAIZE AND OTHER GRASS CROPS). FOR DOSAGES HIGHER THAN 0.5 litre per hectare THE PRE-PLANT INTERVAL SHOULD NOT BE LESS THAN 30 DAYS.</u>

Crop	Dosage per hectare ℓ or kg/ha	Remarks
<u>Pre-plant control of volunteer Glyphosate resistant maize plus difficult to control broadleaf weeds and grasses</u>	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS 1.5 kg (75 g / 10 ℓ) Slash 710 SG AND 1 ℓ (50 ml / 10 ℓ) 2,4 D Amine 480 SL OR 320 ml (16 ml / 10 ℓ) Lexus 480 SL OR 220 g (11 g / 10 ℓ) Trade 700 WDG PLUS Adjuvants*	For the control of volunteer Glyphosate resistant maize plus broadleaf weeds and grasses (as specified in tables below) in pre-plant situations. Apply the higher dosage rate to bigger plants up to 8-leaf stage. <u>PLEASE NOTE THE PRE-PLANT INTERVAL FOR THE 0.5 litre per hectare DOSAGE RATE IS seven (7) DAYS FOR FOLLOW UP GRAIN CROPS (MAIZE AND OTHER GRASS CROPS). FOR DOSAGES HIGHER THAN 0.5 litre per hectare THE PRE-PLANT INTERVAL SHOULD BE NOT LESS THAN 30 DAYS.</u>
<u>Strawberries</u>	0.5 to 1.0 ℓ (25 to 50 ml / 10 ℓ) PLUS Adjuvants*	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
<p>* NOTE - ADJUVANTS</p> <p>1. For all crops except Canola, one of the following adjuvants may be added to SERIES 240 EC spray mixtures:</p> <ul style="list-style-type: none"> • 0.1 % Link plus 2.0 % Velocity® Super or 1.0 % Velocity® DryMax. OR • 0.3 % Summit Super plus 2.0 % Velocity® Super or 1.0 % Velocity® DryMax. OR • 1 ℓ / ha (50 ml / 10 ℓ) Destinaire® plus 0.3 ℓ / ha (15 ml / 10 ℓ) Interlock® per hectare. <p>2. For Canola, add 0.1 % Link plus 2.0 % Velocity® Super or 1.0 % Velocity® DryMax.</p> <p>Consult the applicable product labels for WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE.</p>		

WEEDS CONTROLLED BY SERIES 240 EC: Annual Grass Weeds		
Botanical name	Common name	Growth stage
<i>Avena sativa</i>	Common wild oats	2 to 4 leaves
<i>Bromus diandrus</i>	Ripgut brome	2 to 6 leaves
<i>Dactyloctenium aegyptium</i>	Crow foot	2 to 5 leaves
<i>Digitaria sanguinalis</i>	Crab fingergrass	2 to 6 leaves
<i>Echinochloa crusgalli</i>	Barnyard grass	4 to 8 leaves
<i>Echinochloa colona</i>	Marsh grass	3 to 6 leaves
<i>Eleusine coracana</i>	Goose grass	3 to 6 leaves
<i>Eleusine indica</i>	Goose grass	3 to 6 leaves
<i>Hordeum vulgare</i>	Barley	3 to 4 leaves
<i>Lolium multiflorum</i>	Italian ryegrass	2 to 4 leaves
<i>Lolium perenne</i>	Perennial ryegrass	2 to 4 leaves
<i>Panicum maximum</i>	Common buffalo grass	2 to 8 leaves
<i>Phalaris minor</i>	Little seeded canary grass	2 to 5 leaves
<i>Setaria pallide-fusca</i>	Red bristle grass	2 to 6 leaves
<i>Setaria verticillata</i>	Sticky bristle grass	3 to 6 leaves
<i>Sorghum bicolor</i> *	Wild grain sorghum	3 to 6 leaves
<i>Sorghum halepense</i> *	Johnson grass	3 to 6 leaves
<i>Triticum aestivum</i>	Wheat	3 to 5 leaves
<i>Urochloa panicoides</i>	Herringbone grass	4 to 8 leaves
<i>Zea mays</i>	Volunteer maize	4 to 8 leaves

* Improved control of larger *Sorghum* grass weeds will be obtained at a dosage rate of 1.2 litres per hectare.

FOR PRE-PLANT CONTROL OF VOLUNTEER GLYPHOSATE RESISTANT MAIZE AND ADDITIONAL BROAD LEAF WEEDS:				
SERIES 240 EC	PLUS	PLUS	OR	OR
0.5 to 1.0 t/ha (25 to 50 ml / 10 t)	Slash 710 SG 1.5 kg / ha (75 g / 10 t)	2,4 D Amine 480 SL 1 t / ha (50 ml / 10 t)	Lexus 480 SL 320 ml / ha (16 ml / 10 t)	Trade 700 WDG 220 g/ha (11 g / 10 t)
Botanical name	Common name		Growth stage	
<i>Amaranthus spp.</i>	Pigweed		12 leaf to pre-flower	
<i>Hibiscus spp.</i>	-		12 leaf to pre-flower	
<i>Portulaca oleracea</i> *	Purslane		12 leaf to pre-flower	
<i>Commelina benghalensis</i> *	Wandering Jew		3 leaf stage	
<i>Ipomoea purpurea</i> *	Common morning glory		12 leaf to pre-flower	

* Even at higher rates, the control of large established *Ipomoea* or *Portulaca* species may be variable, necessitating a follow-up application.

The registration holder does not accept any responsibility for control of weeds NOT listed above.

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

- **LEXUS 480 SL** (L 9598) = **LOTUS 480 SL** (L 9599) (**Dicamba**),
- **SLASH PLUS 540 SL** (L 8819 / W 1301444) = **PANGA PLUS 540 SL** (L 8818) = **LYNCH PLUS 540 SL** (L 8816) (**Glyphosate**),
- **SLASH 710 SG** (L 8450 / W 130058 / N-AR 2190) = **GLYGRAN 710 SG** (L 8449) = **LYNCH 710 SG** (L 8670) (**Glyphosate**),
- **TRADE 700 WDG** (L 9228) = **TRANSFER 700 WDG** (L 9227) (**Dicamba**),
- **LINK** (L 8675) = **DIRECT** (L 8680) = **SOLWET** (L 8679),
- **SUMMIT SUPER** (L 8539) = **BENEFIT PLUS** (L 8538),
- **VELOCITY® SUPER** (L 9603 / W 130996) = **AMS-SUPER** (L 9758) and
- **VELOCITY® DRYMAX** (L 9454 / N-AR 1528 / W 130995) = **AMS-GRANULE** (L 9610).

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VILLA CROP PROTECTION (PTY) LTD.

DIRECT, GLYGRAN 710 SG, LOTUS 480 SL, PANGA PLUS 540 SL and **TRANSFER 700 WDG** are
registered products of **VILLA CROP PROTECTION (PTY) LTD.**

**2,4 D AMINE 480 SL, LEXUS 480 SL, SLASH PLUS 540 SL, SLASH 710 SG, TRADE 700 WDG,
BENEFIT PLUS, SUMMIT SUPER, VELOCITY® DRYMAX, AMS–GRANULE, VELOCITY® DRYMAX,
AMS–SUPER** and **LINK** are registered products of
UNIVERSAL CROP PROTECTION (PTY) LTD.

LYNCH PLUS 540 SL and **LYNCH 710 SG** are registered products of **CROPASURE (PTY) LTD.**

SOLWET is a registered product of **SPECTRUM RESEARCH SERVICES**

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