

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



SERIES 240 EC

Reg. No. L 8913 Act/Wet No. 36 of/van 1947
W 130874

4:20/4/2021- April 2021

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

'n Selektiewe sistemiese onkruidodder vir na-opkoms beheer van grasonkruidе in opslagmielies (insluitend Glifosaat tolerante mielies) in gewasse soos aangedui en bosbouplantasies/areas.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

clethodim (cyclohexanedione) **240 g/l** kletodim (sikloheksaandioon)

HRAC HERBICIDE GROUP CODE **1** HRAC ONKRUIDDODER GROEPKODE



Registration holder / Registrasiehouer:

Universal Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07

PO Box / Posbus 801, Kempton Park, 1620

Tel: 011 396 2233

Website / Webblad: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Information Centre: +27 82 446 8946

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

(Client: Villa Crop Protection)

villa

UN Number: 3082

Willow Set & Print 011 394-4486

GEbruiksaaNwysings InGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:

Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED

ON CONTAINER/BAG

Batch number:

Lotnummer:



CAUTION
VERSIGTIG



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clethodim (cyclohexanedione) / kletodim (sikloheksaandioon)240 g/l

Registration holder / Registrasiehouer:

UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

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

Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS**• **Withholding periods:**

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

- Handle with care.
- Fatal when inhaled and may be fatal if swallowed and enters airways.
- May damage the unborn child.
- Avoid contact with eyes. Product causes serious eye damage and mild skin irritation.
- **Do not induce vomiting** if swallowed, due to an aromatic solvent.
- Do not contaminate dams, rivers, lakes or any other water sources.
- **Combustible liquid** – do not store or spray near open flames.
- 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

- Do not handle until all safety precautions have been read and understood.
- Do not inhale the spray fumes or spray mist.
- Avoid contact with skin, eyes and clothes.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles when handling, preparing and applying the spray mixture; may cause cancer.
- Wash with soap and water immediately after use and accidental skin contact.
- In case of contact with eyes, immediately flush the eyes with clean, gently flowing lukewarm water for at least 20 minutes, holding the eyelid(s) open. If irritation persists, seek medical advice.
- Wash contaminated clothing after use.
- 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 (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). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- **Open burning and dumping to the container and its content is prohibited.**

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 litres per hectare dosage rate is 7 days for dosages higher than 0.5 litres per hectare the pre-plant interval should not be less than 30 days.**

The higher pre-plant dosage rates (<0.5 litres 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 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 / Panga 710 SG** and **Slash Plus 540 SL / Panga 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 / Panga 710 SG** and **2,4 D AMINE 480 SL** (L 4505 / N-AR 1096 / W 130459) or **Lexus 480 SL** or **Trade 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 plus Velocity® Super or Velocity®-DryMax.**
 - **OR Summit Super.**
 - **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.

<i>Crop</i>	<i>Dosage per hectare ℓ or kg/ha</i>	<i>Remarks</i>
<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.

Crop	Dosage per hectare ℓ or kg/ha	Remarks
<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.
<u>Afforestation</u> (<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.
<u>Pre-plant control of volunteer Glyphosate resistant maize plus 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 OR	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>Post emergence Glyphosate resistant soybeans</u>	2.0 ℓ (100 ml / 10 ℓ) Slash Plus 540 SL PLUS Adjuvants*	<u>PLEASE NOTE THE PRE-PLANT INTERVAL FOR THE 0.5 litres per hectare DOSAGE RATE IS 7 DAYS FOR FOLLOW UP GRAIN CROPS (MAIZE AND OTHER GRASS CROPS). FOR DOSAGES HIGHER THAN 0.5 litres per hectare THE PRE-PLANT INTERVAL SHOULD NOT BE LESS THAN 30 DAYS.</u>

Crop	Dosage per hectare ℓ or kg/ha	Remarks
Pre-plant control of volunteer Glyphosate resistant maize plus difficult to control 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 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 litres per hectare DOSAGE RATE IS 7 DAYS FOR FOLLOW UP GRAIN CROPS (MAIZE AND OTHER GRASS CROPS). FOR DOSAGES HIGHER THAN 0.5 litres per hectare THE PRE-PLANT INTERVAL SHOULD BE NOT LESS THAN 30 DAYS.</u>

*** NOTE - ADJUVANTS**

1. For all crops **except Canola**, one of the following adjuvants may be added to **SERIES 240 EC** spray mixtures:

- 0.1 % **Link** plus 2.0 % **Velocity® Super** or 1.0 % **Velocity® DryMax**.
OR
- 0.3 % **Summit Super**.
OR
- 1 ℓ / ha (50 ml / 10 ℓ) **Destinaire®** plus 0.3 ℓ / ha (15 ml / 10 ℓ) **Interlock®** per hectare.

2. For **Canola**, add 0.1 % **Link** plus 2.0 % **Velocity® Super** or 1.0 % **Velocity® DryMax**.

Consult the applicable product labels for **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE**.

FOR PRE-PLANT CONTROL OF VOLUNTEER GLYPHOSATE RESISTANT MAIZE AND ADDITIONAL BROAD LEAF WEEDS:

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.

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>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.

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) = **PANGA PLUS 540 SL** (L 8818) = **LYNCH PLUS 540 SL** (L 8816) (**Glyphosate**),
- **SLASH 710 SG** (L 8450 / W 130058) = **GLYGRAN 710 SG** (L 8449) = **LYNCH 710 SG** (L 8670) (**Glyphosate**),
- **TRADE 700 WDG** (L 9228) = **TRANSFER 700 WDG** (L 9227) = **FADE 700 WDG** (L 10027) (**Dicamba**),
- **LINK** (L 8675) = **DIRECT** (L 8680),
- **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).

VELOCITY® SUPER and/en **VELOCITY® DRYMAX** are registered trademarks of / is geregistreerde handelsmerke van
VILLA CROP PROTECTION (PTY) LTD.

AMS-GRANULE, AMS-SUPER, BENEFIT PLUS, DIRECT, GLYGRAN 710 SG, LINK, LOTUS 480 SL, PANGA PLUS 540 SL, SUMMIT SUPER and /en **TRANSFER 700 WDG** are registered products of / is geregistreerde produkte van
VILLA CROP PROTECTION (PTY) LTD.

2,4 D AMINE 480 SL, LEXUS 480 SL, SLASH PLUS 540 SL, SLASH 710 SG and/en **TRADE 700 WDG** are registered products of / is geregistreerde produkte van
UNIVERSAL CROP PROTECTION (PTY) LTD.

LYNCH PLUS 540 SL and/en **LYNCH 710 SG** are registered products of / is geregistreerde produkte van
CROPASURE (PTY) LTD.

DESTINAIRE® and/en **INTERLOCK®** are registered trademarks of / is geregistreerde handelsmerke van
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