

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



SEQUAL 240 EC

Reg. No. L 8912 Act/Wet No. 36 of/van 1947

3: 14/9/2017-Aug2019

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 grasonkruiden en opslagmielies (insluitend Gifosaat tolerante mielies) in gewasse soos aangedui en bosbouplantasies/areas.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

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

HRAC HERBICIDE GROUP CODE **A** HRAC ONKRUIDDODER GROEPKODE



villa

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

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24 HR EMERGENCY NUMBERS:

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(Client: Villa Crop Protection)

UN Number: 3082

Willow Set & Print 011 394-4486



CAUTION
VERSIGTIG



GERUIGSAANWYINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:
Lotnommer:

DIRECTIONS FOR USE ENCLOSED

SEQUAL 240 EC

Reg. No. L 8912 Act/Wet No. 36 of/van 1947

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: A

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:

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

Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07 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.
- Harmful when swallowed, inhaled or absorbed through the skin.
- Avoid contact with eyes. Product is irritating to eyes, respiratory system and skin.
- **Do not induce vomiting** if swallowed, due to an aromatic solvent.
- Do not contaminate dams, rivers, lakes or any other water sources.
- **Flammable** – 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 inhale the spray fumes or spray mist.
- Avoid contact with skin, eyes and clothes.
- Wear eye protection, rubber gloves and rubber boots when handling, preparing and applying the spray mixture.
- 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** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of a third of that of

the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Do not** re-use the container for any other purpose.
- **Do not burn the empty container.**
- Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING

SEQUAL 240 EC is a group code A herbicide. Any weed population may contain individuals naturally resistant to **SEQUAL 240 EC** and other group code A herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SEQUAL 240 EC** or any other group code A 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 SEQUAL 240 EC applications, apply the following withholding periods:**
 - **Broadleaf crops: None**
 - **Maize, other grains and grass crops: 7 days for dosage rates up to 0.5 litres per hectare ONLY. Higher dosage rates are NOT recommended where these crops are to be planted as follow-up crops. 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 4 days after a **SEQUAL 240 EC** application before applying any other agrochemical treatment.
- Weeds that have not emerged at the time of application will not be controlled by **SEQUAL 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 **SEQUAL 240 EC** application may require a follow-up application.
- Do not apply **SEQUAL 240 EC** to large areas of newly released cultivars, before consulting your local **SEQUAL 240 EC** representative or distributor, or prior to testing phytotoxicity.
- Under certain conditions **SEQUAL 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:

- **SEQUAL 240 EC** may be applied in tank mixtures with **Slash 710 SG/Glygran 710 SG** and **Slash Plus 540 SL/Panga Plus 540 SL**.
- **SEQUAL 240 EC** must **NOT** be applied in tank mixtures with any other agrichemical products.
- **SEQUAL 240 EC** must always be used in combination with the following adjuvants:
 - **Link / Direct / Solwet** plus **Velocity® Super** or **Velocity® DryMax**.
 - **OR Summit Super**.
- Always consult the applicable product labels for **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE**.

Mixing instructions:

- Shake the **SEQUAL 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 **SEQUAL 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 **SEQUAL 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 **SEQUAL 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 150 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 **SEQUAL 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/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 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>Soybeans</u>	0.5 to 1.0 ℓ PLUS 1.5 kg Slash 710 SG OR 2.0 ℓ Slash Plus 540 SL PLUS Adjuvants*	<u>Control of Volunteer Glyphosate Resistant Maize:</u> For the control of volunteer glyphosate resistant maize that is growing in between established Glyphosate resistant soybeans. Apply the higher dosage rate to bigger plants up to 8-leaf stage.

Crop	Dosage per hectare ℓ/ha	Remarks
<u>Pre-plant control of volunteer Glyphosate resistant maize plus broadleaf weeds and grasses</u>	0.5 to 1.0 ℓ PLUS 1.5 kg Slash 710 SG OR 2.0 ℓ Slash Plus 540 SL 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 7 DAYS PRE-PLANT INTERVAL OF FOLLOW-UP CROPS IS ONLY APPLICABLE TO THE 0.5 litres PER HECTARE DOSAGE RATE.</u>
<u>Orchards (Citrus, Pome & Stone fruit) & Vines</u>	0.5 to 1.0 ℓ PLUS Adjuvants*	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
<u>Canola</u>	0.5 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.
<u>Leguminous pastures</u>	0.5 to 1.0 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 (Eucalyptus and Pine trees)</u>	0.5 to 1.0 ℓ PLUS Adjuvants*	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
* <u>NOTE - ADJUVANTS</u>		
1. For all crops except Canola , the following adjuvants may be added to SEQUAL 240 EC spray mixtures:		
<ul style="list-style-type: none"> • 0.1 % Link plus 2.0 % Velocity® Super or 1.0 % Velocity® DryMax. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • 0.3 % Summit Super. <p style="text-align: center;">OR</p>		
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.		

WEEDS CONTROLLED BY SEQUAL 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 finger-grass	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

NOTES

* 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:

- **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),
- **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).

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

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