

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

Herbicide



SUCCESSION 225 EC

Reg. No. L 10414 Act No. 36 of 1947

4: 5/8/2022 – Oct2022

A selective systemic herbicide for post-emergence control of grass weeds in crops as indicated.

ACTIVE INGREDIENTS

clethodim (cyclohexanedione) 150 g/l
haloxyfop-R-methyl ester 75 g/l

GROUP

1

HERBICIDE



ANGER

Hazard Statements:

Combustible liquid.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause drowsiness or dizziness.
Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not breathe dust, fume, gas, mist, vapours and spray.
Avoid release to the environment.

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villa



UN Number: 3082

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: (Hazzcall24) +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:

SUCCESSION 225 EC

Reg. No. L 10414 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: 1

ACTIVE INGREDIENTS:

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Registration holder:

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P.O. Box 801,

KEMPTON PARK, 1620,

Tel. (011) 396 2233

WARNINGS**Withholding period:**

Minimum time between the last application and harvest or feeding:	
Canola & other crops	40 days
Medics and Lucerne	28 days
Dry beans and Soybeans	60 days

NOTE

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.

Hazard statements:

Combustible liquid.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause drowsiness or dizziness.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- 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.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not breathe dust, fume, gas, mist, vapours and spray.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
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.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned, get medical advice.
See label for specific treatment.
Rinse mouth.
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.
Wash hands thoroughly after handling. Do not touch eyes.
In case of fire: Use carbon dioxide or dry chemical for small fires and water fog or foam to extinguish large fires.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Prevent drift on to other crops, grazing, rivers, dams or areas not under treatment.
- 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.
- **Open burning and dumping to the container and its content is prohibited.**

Relevant hazardous components	
Clethodim	15.23 %
Haloxypop-P-methyl	7.61 %
Calcium dodecyl-benzene-sulphonate	< 15 %
Toluene	<70 %

FIRST AID AND TREATMENTS

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 leather goods and wash before re-using. Flush skin with water and then washes with soap and water. Seek medical attention if skin irritation persists.

Eyes: Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention.**

Ingestion: Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

ADVICE TO PHYSICIAN:

Treat symptomatically and supportively. No specific antidote known. Do not aspirate, formulation contains a solvent.

RESISTANCE WARNING

SUCCESSION 225 EC is a group code 1 herbicide. Any weed population may contain individuals naturally resistant to **SUCCESSION 225 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 **SUCCESSION 225 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 programs.

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

MODE OF ACTION

SUCCESSION 225 EC contains two active ingredients, **Clethodim** and **Haloxypop-P-methyl**. Both actives are selective systemic herbicides that are absorbed by foliage and roots, translocated acropetally as well as basipetally in the phloem and xylem to the meristematic tissues. They inhibit the incorporation of acetate into fatty acids and blocks the production of phospholipids used in building new membranes.

USE RESTRICTIONS**Re-cropping intervals*:**

Broadleaf	None
Maize, sorghum, wheat or other grass crops	3 months**

* pre-plant interval = time period between the last application of **SUCCESSION 225 EC** and the anticipated date of planting of a follow-up crop.

** in the case of a failed broadleaf crop

IMPORTANT NOTES ON RE-CROPPING INTERVALS:

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 **SUCCESSION 225 EC** application before applying any other agrochemical treatment.
- Weeds that have not emerged at the time of application will not be controlled by **SUCCESSION 225 EC**.
- Weeds that have not come into contact with the herbicide solution will not be controlled. For example, when weeds occur in dense clumps, severe infestations or when the height of the weeds varies such that not all weeds are covered by spray droplets. In these instances, a follow up application may be necessary.
- Do not apply to crop or weeds under stress conditions such as moisture deficiency (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 **SUCCESSION 225 EC** application may require a follow-up application.
- Do not apply **SUCCESSION 225 EC** to large areas of newly released cultivars, before consulting your local **SUCCESSION 225 EC** representative or distributor, or prior to testing phytotoxicity. Test a small area.

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

- **SUCCESSION 225 EC** must not be applied in tank mixtures with other agrochemical products not mentioned on this label.
- **SUCCESSION 225 EC** is compatible with and must always be used in combination with the adjuvants **Link** or **DESTINAIRE®** (L 10598) and **Velocity® DryMax**.

Mixing instructions:

- Shake the **SUCCESSION 225 EC** container thoroughly before use. Ensure that the container is tightly closed after use.

- Half fill spray tank with clean water and ensure agitation. Add the required volume of **SUCCESSION 225 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 **SUCCESSION 225 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 to a designated cleaning area not under treatment.
Flush and spray the remaining detergent solution out of the complete system with clean water.

Ground application:

- Apply **SUCCESSION 225 EC** with a properly calibrated sprayer, in good working order, with fan type 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 to 300 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:

- Apply **SUCCESSION 225 EC** only on actively growing grass weeds and/or volunteer maize, which are within the recommended growth stages as directed below.
- Refer to “**USE RESTRICTIONS**” above

Crop	Dosage rate	Remarks
<u>Canola</u> Control of grass weeds	0.8 l/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply once the Canola has reached at least the 2 to 3 leaf stage, but not later than the 8-leaf growth stage (prior to the beginning of stem elongation). DO NOT apply if any flower buds are visible. Apply to actively growing weeds at the correct growth stage as indicated in the “ WEEDS CONTROLLED ” table.
<u>NOTE</u> Always add Link plus Velocity® Drymax to SUCCESSION 225 EC spray mixtures. Consult the Link and Velocity® Drymax labels for WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE .		
<u>Drybeans</u> Control of grass weeds	0.8 l/ha PLUS 1 l/ha Destinaire® PLUS 1.0 % Velocity® Dry-Max	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.

Crop	Dosage rate	Remarks
<u>Forestry</u> (Eucalyptus, Pines, Wattle) Control of grass weeds	0.8 ℓ/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
<u>Lucerne</u> Control of grass weeds	0.8 ℓ/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
<u>Medics</u> Control of grass weeds	0.8 ℓ/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
<u>Pome fruit</u> (incl. Apples and Pears) Control of grass weeds	0.4 to 0.8 ℓ/ha PLUS 0.1 % Link or 1 ℓ/ha Destinaire® PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below. Use the higher dosage rate under high weed density conditions and/or when majority of weed plants tend to be towards the maximum growth stage limit, indicated below.

Crop	Dosage rate	Remarks
Maize Pre-plant control of volunteer Glyphosate resistant (RR) maize plus grasses	0.8 l/ha	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
Soybeans Control of grass weeds	0.8 l/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.
Stone fruit (incl. Nectarines, Apricots, Peaches, Pears and Plums) Control of grass weeds	0.8 l/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.

Crop	Dosage rate	Remarks
Vines Control of grass weeds	0.8 l/ha PLUS 0.1 % Link PLUS 1.0 % Velocity® DryMax	Apply to actively growing grass weeds during the weeds' growth stages as indicated below.

NOTE

Always add **Link** or **Destinaire®** plus **Velocity® DryMax** to **SUCCESSION 225 EC** spray mixtures. Consult the **Link** or **Destinaire®** and **Velocity® DryMax** labels for **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE**.

WEEDS CONTROLLED BY SUCCESSION 225 EC:		
Annual Grass Weeds		
Botanical name	Common name	Growth stage
<i>Bromus diandrus</i>	Ripgut brome grass	2 to 6 leaves
<i>Lolium</i> spp.*	Rye grass	2 to 5 leaves
<i>Avena</i> spp.	Wild oats	3 to 4 leaves
<i>Digitaria sanguinalis</i> *	Grab finger grass	2 to 6 leaves
<i>Urochloa panicoides</i> *	Herringbone grass	4 to 8 leaves
<i>Cynodon dactylon</i> *	Common couch grass	4 to 8 leaves
<i>Hordeum marinum</i>	Sea barley	2 to 4 leaves
<i>Panicum</i> spp.	-	2 to 6 leaves
<i>Paspalum</i> spp.	-	2 to 4 leaves
<i>Sorghum bicolor</i>	Wild grain sorghum	2 to 4 leaves
<i>Sorghum halepense</i>	Johnson grass	2 to 4 leaves
<i>Eleusine coracana</i>	Goose grass	2 to 4 leaves
<i>Zea mays</i>	Volunteer maize	4 to 8 leaves
<i>Erodium moschatum</i> *	Musk heron's bill	2 to 4 leaves
* Will ONLY be controlled under favourable conditions.		

NOTE

Other grass species not present during the development trials of this product may also be controlled, however, the registration holder does not accept any responsibility for control of weeds species NOT listed above.

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

- **LINK** (L 8675) = **DIRECT** (L 8680) = **SOLWET** (L 8679) and
- **VELOCITY® DRYMAX** (L 9454 / W 130995 / N-AR 1528) = **AMS-GRANULE** (L 9610).

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

DIRECT is a registered product of **VILLA CROP PROTECTION (PTY) LTD.**

VELOCITY® DRY-MAX is a registered trademark of **VILLA CROP PROTECTION (PTY) LTD.**

LINK, AMS-GRANULE and **VELOCITY® DRY-MAX** are registered products of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

DESTINAIRE® is a registered trademark of **WINFIELD SOLUTIONS, LLC.**