

Opslag Plus 120 EC

South Africa Reg. No: L 10827 Act/Wet No. 36 of/van 1947



A selective, emulsifiable systemic herbicide for the post-emergence control of certain grasses in forestry, seedbeds (including volunteer maize containing the glyphosate resistant gene), citrus, apples, peaches, plums, grapes and industrial areas as well.

ACTIVE INGREDIENT

Clethodim (cyclohexanedione) 120 g/l

GROUP

1

HERBICIDE



WARNING

HAZARD STATEMENTS:

- May be harmful if swallowed.
- Causes mild skin irritation.
- May cause an allergic skin reaction.
- Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

- Avoid release to the environment.
- Wear impervious rubber gloves and chemical safety goggles.

Registration holder: **Green Island Investments (Pty) Ltd.**

Co. Reg. No.: 2013/043963/07

P.O. Box 1822, Heidelberg 1438, South Africa

Tel: 078 737 9236

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre: +27 82 446 8946

24 Hr Transport / Spill emergency no:

(Hazcall24) +27 86 044 4411 (Typhoon Plant Protection)

Expiry Date:

Batch No:

Date of Manufacture:

U.N. No. 3082

Distributed by: **Typhoon Plant Protection (Pty) Ltd.**

Co. Reg. No.: 1998/006156/07, C/O Farm Vlakfontein

Corner of the R23 Benoni Road & R550 Nigel Road

Brakpan District, Heidelberg 1438, Gauteng, South Africa

Tel: 078 737 9236

Net Volume:

ℓ



READ LABEL IN DETAIL BEFORE OPENING THE CONTAINER. FOR FULL PARTICULARS, SEE ENCLOSED LEAFLET.
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



WARNINGS:

- Allow 28 days after last application and harvesting or feeding of the following crops:
Apples | Citrus | Peaches | Plums | Grapes | Cucurbits.
- Allow 10 to 14 days after application and plant of maize.
- Allow 90 days after application of canola.

WARNINGS:

HAZARD STATEMENTS:

- May be harmful if swallowed.
 - Causes mild skin irritation.
 - May cause an allergic skin reaction
 - Harmful to aquatic life with long lasting effects.
- **Do not** spray over or allow drift to contaminate water or adjacent areas.
 - **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 weed against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore 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 the event of any uncertainty.



PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Avoid release to the environment.
- Wear impervious rubber gloves and chemical safety goggles.
- **IF ON SKIN:** Wash with plenty of water and soap.
- Immediately call a **POISON CENTRE**.
- If skin irritation or rash occurs: Get medical advice.
- Collect spillage.
- Dispose of contents/container in accordance with local regulations.

Related ingredients:

Substance name (IUPAC)	CAS - No.	Concentration % By weight
	EC - No.	
CLETHODIM	99129-21-2	13-14%
Solvent	10171-92-3	51.1%
Co-Solvent	112-62-9	5%

FIRST AID TREATMENT:

- **Skin contact:** 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 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.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs. **Seek medical attention if you feel unwell after inhalation.**
- **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.

NOTE TO PHYSICIAN:

No specific antidote. Treat symptomatically and supportively. Keep patient under observation. Perform gastric lavage and catharsis if the victim is not unconscious. If less than 10 mg per kg body weight was ingested, administer 30 to 60 g activated charcoal in 150 to 300 ml water.



RESISTANCE WARNING:

For resistance management, **OPSLAG PLUS 120 EC** is a **Group code 1 herbicide**. Any weed population may contain individual weeds naturally resistant to **OPSLAG PLUS 120 EC** and other **Group code 1 herbicide**. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **OPSLAG PLUS 120 EC** or any other **Group code 1 herbicide**. In order to delay herbicide resistance:

- Avoid the exclusive and repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from different herbicide group codes.
- Integrate chemical and cultural control methods into weed control programmes.

For more information on resistance management, contact the registration holder.

DIRECTIONS FOR USE: use only as directed.

Before applying **OPSLAG PLUS 120 EC** it is advisable to wait until the majority of the grass weeds are within the optimum stages for control as mentioned in the "Weeds controlled and **OPSLAG PLUS 120 EC** dose rates" list. Since **OPSLAG PLUS 120 EC** has a limited soil residual action, the weeds to be controlled must have emerged before applying **OPSLAG PLUS 120 EC**.

Compatibility

Do not mix or apply **OPSLAG PLUS 120 EC** with any other additives, pesticides or fertilizers.

Use restrictions

Apply **OPSLAG PLUS 120 EC** only on actively growing grass weeds which are within the recommended growth stages as stipulated under "Weeds controlled and **OPSLAG PLUS 120 EC** dose rates".

Do not apply to plants/weeds that are stressed from whatever cause, e.g. moisture or temperature extremes, insect damage, nutrient deficiencies, herbicide carry over or wind damage.

Allow at least 4 days after **OPSLAG PLUS 120 EC** application, before applying any other treatment.

Where follow-up crops are to be planted after **OPSLAG PLUS 120 EC** applications, apply the following safety periods:

Broadleaf crops	None
Maize (at 0.375 l/ha)	7 days
Maize (at rates >0.5 l/ha), other grains and grass crops	1 Month

Rain or irrigation within 1 hour after a **OPSLAG PLUS 120 EC** application may necessitate a second application. Thorough and uniform spray coverage over the entire leaf area of the target plant is necessary for optimum weed control, especially where the crop is very dense.

OPSLAG PLUS 120 EC has been tested on the most important crop varieties which were commercially used at the date of registration.

Do not apply **OPSLAG PLUS 120 EC** to large areas of newly released cultivars before consulting your local **OPSLAG PLUS 120 EC** representative or distributor, or prior phytotoxicity testing.



Mixing instructions

Shake the **OPSLAG PLUS 120 EC** container thoroughly just before use. Close the container tightly after use. Thoroughly clean the sprayer by flushing the system with water containing detergent before spraying. Half fill the spray tank with clean water and add the required quantity of **OPSLAG PLUS 120 EC** as recommended below.

Then fill the tank to the required volume with clean water, ensuring thorough agitation.

Do not allow the mixture to stand overnight.

Thoroughly flush out spraying equipment at the end of the spraying operation.

Ground application

OPSLAG PLUS 120 EC can be applied with conventional ground equipment (tractor mounted sprayers, knapsack sprayers) capable of producing a uniform spray distribution.

Flat fan nozzles are recommended.

Use a low spray pressure (100–200 kPa) so that **OPSLAG PLUS 120 EC** is applied as a coarse droplet spray.

Ensure thorough coverage of the weeds by applying at least 150 ℓ of spray mixture per hectare.

Do not spray during severe drought or when the area to be treated is severely waterlogged, thus restricting the growth of the crops and weeds.

OPSLAG PLUS 120 EC controls the grass species as indicated in the “**Weeds controlled**” table. Other grass species that were not present during the development trials of the product could possibly also be controlled to a certain degree.

The registration holder does not accept any responsibility for unlisted weeds.

Application rates:

USE	DOSAGE RATE/HA	REMARKS
<i>Eucalyptus</i> and <i>Pinus</i> spp.	0,8 – 2,0 ℓ	Apply to actively growing grass weeds. Use the dose rate listed under “ Weeds controlled ” and OPSLAG PLUS 120 EC “ dose rates ”.
Citrus, apples, peaches, plums and grapes	0,8 – 3,0 ℓ	Apply as a directed spray to actively growing grass weeds. Use the dose rate listed under “ Weeds controlled ” and OPSLAG PLUS 120 EC “ dose rates ”.
Seedbeds (control of volunteer maize containing the glyphosate resistant gene)	0.375 ℓ	Apply to actively growing volunteer maize plants in the 4–8 leaf stage.
Cucurbits	0.75 – 1.5 ℓ/ha	Apply when the cucurbits have reached the 4- to 6-true-leaf stage. Apply to target weeds at the growth stages indicated in the table.

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Application rates: (Continued)

USE	DOSAGE RATE/HA	REMARKS
Canola	0.75 – 1.0 l/ha	Apply at the true 4- to 6-leaf stage of canola, but not later than the 6leaf stage. Apply to target weeds at the growth stages indicated in the table. Make a single application only.
Sunflowers	0.75 – 2.0 l/ha	Apply from the 4- to 6-true-leaf stage of sunflowers. Apply to actively growing weeds. Apply to target weeds at the growth stages indicated in the table.
Industrial areas	50 ml/5 l	Spot treatment. Apply to actively growing grass weeds.

NOTE: Do not exceed the maximum application rate allowed for a specific crop, irrespective of the dosage indicated for the control of a particular weed species.

Weeds controlled and OPSLAG PLUS 120 EC dose rates:

WEED SPECIES CONTROLLED AT 0,375 l/HA	GROWTH STAGE
<i>Zea mays</i> (volunteer maize containing the glyphosate resistant gene)	4–8 leaves
WEED SPECIES CONTROLLED AT 0,8 l/HA	GROWTH STAGE
<i>Avena sativa</i> (common oats)	3–4 leaves
<i>Dactyloctenium aegyptium</i> (crowfoot)	2–5 leaves
<i>Digitaria sanguinalis</i> (crab finger-grass)	2–6 leaves
<i>Echinochloa crus-galli</i> (barnyard grass)	4–8 leaves
<i>E. colona</i> (marsh grass)	3–6 leaves
<i>Eleusine coracana</i> (goose grass)	3–6 leaves
<i>Hordeum vulgare</i> (barley)	3–4 leaves
<i>Lolium multiflorum</i> (Italian ryegrass)	2–5 leaves
<i>Panicum maximum</i> (common buffalo grass)	2–8 leaves
<i>Phalaris minor</i> (little seeded canary grass)	2–5 leaves
<i>Setaria verticillata</i> (sticky bristle grass)	3–6 leaves
<i>Triticum aestivum</i> (wheat)	3–5 leaves
<i>Urochloa panicoides</i> (herringbone grass)	4–8 leaves

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Weeds controlled and OPSLAG PLUS 120 EC dose rates: (Continued)

WEED SPECIES CONTROLLED AT 1.0 ℓ/HA	GROWTH STAGE
<i>Avena fatua</i> (common wild oats)	Up to seeding
<i>Hordeum murinum</i> (wild barley)	4–8 leaves
<i>Lolium perenne</i> (perennial ryegrass)	2–4 leaves
<i>Setaria pallide-fusca</i> (red bristle grass)	2–6 leaves
WEED SPECIES CONTROLLED AT 1.5 ℓ/HA	GROWTH STAGE
<i>Tragus racemosus</i> (large carrotseed grass)	Up to tillering
WEED SPECIES CONTROLLED AT 1,5 - 2.0ℓ/HA	GROWTH STAGE
<i>Cynodium dactylon</i> (common couch). Regrowth may take place. See “Note” below.	4–8 leaves
WEED SPECIES CONTROLLED AT 2.0 ℓ/HA	GROWTH STAGE
<i>Bromus</i> spp. (ripgut brome, rescue grass)	Up to start of seeding
<i>Cynodium dactylon</i> (common couch). Regrowth may take place. See “Note” below.	4–8 leaves
<i>Digitaria sanguinalis</i> (crab finger-grass)	6 leaf to early tillering
<i>Eleusine coracana</i> (goose grass)	6 leaf to early tillering
<i>Panicum schinzii</i> (sweet buffalo grass)	Up to early tillering
<i>Setaria verticillata</i> (sticky bristle grass)	6 leaves to early tillering
<i>Urochloa panicoides</i> (herringbone grass)	8 leaves to tillering
WEED SPECIES CONTROLLED AT 2.5 ℓ/HA	GROWTH STAGE
<i>Lolium</i> spp. (ryegrass)	5 leaf to seeding
WEED SPECIES CONTROLLED AT 3.0 ℓ/HA	GROWTH STAGE
<i>Panicum maximum</i> (common buffalo grass)	Up to pre-flower
<i>Paspalum dilatatum</i> (common Paspalum)	Up to flowering

Note. For optimal *Cynodon* control thorough pre-spray tillage operations are required to break up the sward, thereby diminishing the underground root mass.

Apply **OPSLAG PLUS 120 EC** once *Cynodon* regrowth contains approximately 2-6 leaves.

IMPORTANT NOTES

1. Poor weed control may result if **OPSLAG PLUS 120 EC** is applied when the weeds have been subjected to moisture stress or any other stress. Apply only during moist conditions, when the weeds are actively growing.
2. Weeds that have not emerged at the time of application will not be controlled by **OPSLAG PLUS 120 EC**.
3. Under certain conditions **OPSLAG PLUS 120 EC** may cause some crinkling and cupping of emerging *Eucalyptus* leaves. However, this is normally of a transitory nature and growth will not be significantly affected.

