

[Sales Panel]

For further information see attached pamphlet  
Vir verdere inligting sien aangehegte pamflet



# KLAP™ 240 EC

Reg. No. / Nr. L11042, Act No. / Wet Nr. 36 of/ van 1947

A selective, emulsifiable systemic weedkiller for the post-emergence control of certain grasses in various crops as listed.

'n Selektiewe emulgeerbare sistemiese onkruiddoder vir die na-opkom beheer van sekere grasse in verskillende gewasse soos gelys.

|                   |                    |                  |                       |
|-------------------|--------------------|------------------|-----------------------|
| <b>Group Code</b> | <b>1 Herbicide</b> | <b>Groepkode</b> | <b>1 Onkruiddoder</b> |
|-------------------|--------------------|------------------|-----------------------|

**Active ingredient:**

Clethodim (cyclohexanedione) .....240 g//.....

**Aktiewe bestanddeel:**

Kletodim (sikloheksaandioon)

**Netto volume**

/

**Net volume**



**REGISTRATION HOLDER / REGISTRASIEHOUER:**

**AECI® Limited / AECI® Beperk**

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

[www.aeciph.com/www.aeciworld.com](http://www.aeciph.com/www.aeciworld.com)

**Batch No:**

**Lotnommer:**

**Date of manufacture:**

**Datum van vervaardiging:**

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL 0861555777 / 082 446 8946

**KLAP™** Trademark pending of AECI® Limited / 'n hangende handelsmerk van AECI® Beperk.

**UN No. / VN Nr.** Not regulated - nie gereguleer nie



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|                                             |
|---------------------------------------------|
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|---------------------------------------------|

**Active ingredient:**

Clethodim (cyclohexanedione)..... 240 g/l

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|                |
|----------------|
| <b>CAUTION</b> |
|----------------|

**WARNINGS:**

**ALLOW 14 DAYS AFTER THE LAST APPLICATION AND HARVESTING OF ONIONS AND CABBAGES.**

**FOR ALL OTHER CROPS:      ALLOW 28 DAYS AFTER THE LAST APPLICATION AND HARVESTING OR FEEDING OF CROP.**

May be fatal when swallowed or inhaled.

Handle with care.

Harmful to fish and aquatic organisms.

Avoid contact with skin or eyes since product may cause eye and skin irritation.

Do not spray over or allow drift to contaminate water or adjacent areas.

Store away from food and feeds, seeds, fertilizers and other chemicals.

Keep out of reach of children, uninformed persons and animals.

Store in a cool, dry, well-ventilated place.

**Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

In case of poisoning - CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

**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 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 AGAINST THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY 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:**

- Do not inhale fumes or the spray mist.
- Wear protective clothing, rubber gloves, respirator, rubber boots when handling or applying the product.
- Wash with soap and cold water after use and after accidental skin contact.
- Wash contaminated clothing after use.
- In case of eye contact, rinse immediately with running water.
- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and changing clothes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, 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](http://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.

### **RESISTANCE WARNING:**

**KLAP 240 EC** is a Group Code 1 herbicide. Any weed population may contain individuals naturally resistant to **KLAP 240 EC** and other Group Code 1 herbicides. The resistant individual weeds can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **KLAP 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:**

Apply **KLAP 240 EC** only on actively growing grass weeds which are within the recommended growth stages as stipulated under "Weeds controlled and **KLAP 240 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 **KLAP 240 EC** application, before applying any other treatment.

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

- |                                                 |                |
|-------------------------------------------------|----------------|
| • <b>Broadleaf crops</b>                        | <b>None</b>    |
| • <b>Maize and other grains and grass crops</b> | <b>21 Days</b> |

Rain or irrigation within 1 hour after a **KLAP 240 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. **KLAP 240 EC** has been tested on the most important crop varieties which were commercially used at the date of registration. **Do not** apply **KLAP 240 EC** to large areas of newly released cultivars before consulting your local **KLAP 240 EC** representative or distributor, or prior phytotoxicity testing.

**DIRECTIONS FOR USE:** USE ONLY AS DIRECTED

Before applying **KLAP 240 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 **KLAP 240 EC** dose rates” list. Since **KLAP 240 EC** has a limited soil residual action, the weeds to be controlled must have emerged before applying **KLAP 240 EC**.

**COMPATIBILITY:**

**KLAP 240 EC** is compatible with **most non-ionic surfactants**.

**MIXING INSTRUCTIONS:**

**Shake the KLAP 240 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 **KLAP 240 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.

**APPLICATION METHODS:**

**Ground Application:**

**KLAP 240 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) to ensure that **KLAP 240 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. **KLAP 240 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 TABLE:**

| USE                                                                                   | DOSAGE<br>RATE<br>L /HA | REMARKS                                                                                                       |
|---------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Seedbeds (control of volunteer maize containing the glyphosate resistant gene)</b> | <b>0.5</b>              | Apply to actively growing volunteer maize plants in the 4-8 leaf stage.                                       |
| <b>Citrus, pome fruit, stone fruit and grapes</b>                                     | <b>0.5 - 1.5</b>        | Apply as a directed spray to actively growing grass weeds during the weeds' growth stages as indicated below. |

|                                                                                                                                                                           |                  |                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------|
| <b>Onions and Sunflowers,<br/>Cabbages, Lucerne and<br/>Leguminous pastures<br/>(including Medics)<br/>Green beans, Soybeans,<br/>Groundnuts, Dry beans,<br/>Potatoes</b> | <b>0.5 - 1.0</b> | Apply to actively growing grass weeds during the weeds' growth stages as indicated below. |
| <b>Orchards &amp; Vines;<br/>Afforestation<br/>Control of grass weeds</b>                                                                                                 | <b>0.5 - 1.0</b> | Apply to actively growing grass weeds during the weeds' growth stages as indicated below. |

**Remarks:** The use of a 0.3% non-ionic surfactant is advisable to enhance the product's efficacy.

**The following weeds are normally controlled by KLAP 240 EC**

| <b>Weed species controlled by KLAP 240 EC</b> |                                                           | <b>Growth stage</b> |
|-----------------------------------------------|-----------------------------------------------------------|---------------------|
| <i>Avena sativa</i>                           | Common oats                                               | 3 - 4 leaves        |
| <i>Bidens bipinnata</i>                       | Spanish black jack                                        | 2 - 6 leaves        |
| <i>Chenopodium album</i>                      | White goosefoot                                           | 2 - 6 leaves        |
| <i>Cynodon dactylon</i>                       | Common couch*                                             | 4 - 8 leaves        |
| <i>Dactyloctenium aegyptium</i>               | Crowfoot                                                  | 2 - 5 leaves        |
| <i>Digitaria sanguinalis</i>                  | Crab fingergrass                                          | 2 - 6 leaves        |
| <i>Echinochloa colona</i>                     | Marsh grass                                               | 3 - 6 leaves        |
| <i>Echinochloa crus-galli</i>                 | Barnyard grass                                            | 4 - 8 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>Lolium perenne</i>                         | Perennial ryegrass                                        | 2 - 4 leaves        |
| <i>Panicum maximum</i>                        | Common buffalo grass                                      | 2 - 8 leaves        |
| <i>Panicum schinzii</i>                       | Sweet buffalo grass                                       | 2 - 6 leaves        |
| <i>Phalaris minor</i>                         | Little seeded canary grass                                | 2 - 5 leaves        |
| <i>Setaria pallide-fusca</i>                  | Red bristle grass                                         | 2 - 6 leaves        |
| <i>Setaria verticillata</i>                   | Sticky bristle grass                                      | 3 - 6 leaves        |
| <i>Triticum aestivum</i>                      | Volunteer wheat                                           | 3 - 5 leaves        |
| <i>Urochloa panicoides</i>                    | Herringbone grass                                         | 4 - 8 leaves        |
| <i>Zea mais</i>                               | Volunteer maize containing the glyphosate resistant gene. | 4 - 8 leaves        |

\* Regrowth may take place

**Note:** For optimal *Cynodon dactylon* control thorough pre-spray tillage operations are required to break up the sward, thereby diminishing the underground root mass. Apply **KLAP 240 EC** once *Cynodon dactylon* regrowth contains approximately 2-6 leaves.

**IMPORTANT NOTES:**

1. Poor weed control may result if **KLAP 240 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 **KLAP 240 EC**.