

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Herbicide



# EPTC PLUS 720 EC

Reg. No. L 4504 Act No. 36 of 1947  
N-AR 1095 / W1301417

8: 17/01/2023 – Oct2023

An emulsifiable concentrate herbicide with dichlormid, which must be incorporated into the soil, for the control of Nutsedges, annual grasses and certain broadleaf weeds in crops as listed.

## ACTIVE INGREDIENT

EPTC (thiocarbamate)  
dichlormid

720 g/l  
76 g/l

GROUP

15

HERBICIDE



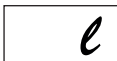
**DANGER**

### Hazard Statements:

May be harmful if swallowed.  
May be harmful in contact with skin.  
Causes skin irritation.  
Causes serious eye damage.

### Precautionary Statements:

Wash hands and face thoroughly after handling.  
Avoid release to the environment.  
Take off contaminated clothing and wash before use.



**villa**



**UN Number: Not Regulated**

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](http://www.villacrop.co.za)

**24 HR EMERGENCY NUMBERS:**  
Griffon Poison Centre: +27 82 446 8946  
24 HR Transport / Spill Emergency no: (Hazcall24) +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:

**EPTC PLUS 720 EC**

Reg. No. L 4504 Act No. 36 of 1947  
 N-AR 1095 / W1301417  
 HRAC HERBICIDE GROUP CODE: 15

**ACTIVE INGREDIENT:**

EPTC (thiocarbamate)..... 720 g/l  
 dichlormid..... 76 g/l

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

P.O. Box 801, KEMPTON PARK, 1620. Tel. (011) 396 2233

**WARNINGS****Hazard statements:**

May be harmful if swallowed.
May be harmful in contact with skin.
Causes skin irritation.
Causes serious eye damage.
May be harmful if inhaled.
Harmful to aquatic life with long lasting effects.

- Handle with care.
- Store in a cool place, away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep under lock and key.
- Keep out of reach of children, uninformed persons and animals.
- **In case of poisoning call a doctor immediately 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 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**

Wash hands and face thoroughly after handling.
Wash hands thoroughly after handling. Do not touch eyes.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.
IF SWALLOWED: Get medical help.
IF ON SKIN: Get medical help.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF INHALED: Get medical help.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: get medical help.
Take off contaminated clothing and wash it before reuse.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not inhale the spray mist.
- Do not eat, drink or smoke whilst applying or mixing or before washing hands and face or change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams and areas not under treatment.

- Clean the applicator after use and dispose of wash water where it will not contaminate food, grazing, boreholes, 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](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.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Keep container closed when not in use.

<b>Relevant hazardous components</b>	
<b>EPTC Technical</b>	720 g/ℓ
Dichlormid	< 100 g/ℓ
Emulsogen IT	<100 g/ℓ
Solvent	<100 g/ℓ

### **FIRST AID TREATMENT**

- Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if you feel unwell after inhalation.
- **Skin:** 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.
- **Eyes:** 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. Seek medical attention.
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting due to the solvent. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water. If vomiting occurs, keep head below hips to prevent aspiration.
- Establish and maintain airway. Treat respiratory difficulty with artificial respiration and oxygen. Apply mouth-to-nose respiration. Qualified medical personnel should administer oxygen.
- **Advice to physician:** No specific antidote is available if the product is ingested. This product contains material that may cause severe pneumonitis if aspirated. If ingested, perform gastric lavage with the aid of cuffed endotracheal tube using isotonic saline or 5 % sodium bicarbonate follow with activated charcoal.

### **NOTE TO PHYSICIAN**

Product contains an aromatic hydrocarbon organic solvent. Treat symptomatically.

### **RESISTANCE WARNING**

**EPTC PLUS 720 EC** is a group code 15 herbicide. Any weed population may contain individuals naturally resistant to **EPTC PLUS 720 EC** and other group code 15 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **EPTC PLUS 720 EC** or any other group code 15 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 weeds control programmes.

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

**Mode of Action:** **EPTC** is a selective systemic herbicide, absorbed by the roots and shoots, with translocation acropetally to the leaves and stems. Kills germinating weed seeds and inhibits bud development from underground portions of some perennial weeds.

### **USE RESTRICTIONS**

- **EPTC PLUS 720 EC** should only be used if soil conditions are suitable for fast germination of the crop.
- Do not use on seed maize, before consulting the seed supplier.
- Do not use as an overall spray on kidney beans.

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

**EPTC PLUS 720 EC** is compatible with **AGRIZINE 500 SC** (L 5387 / W 130121), **Cantron® 480 SC** and **Leap 840 EC**.

**EPTC PLUS 720 EC** is a herbicide, which must be incorporated into the soil just before planting and thoroughly mixed with the uppermost 10 to 15 cm soil layer, before planting takes place, or it should be injected into the soil at planting time with a suitable implement. Incorporation should take place within minutes after application and preferably in one operation, especially if the soil surface is moist.

**Soil preparation:**

The seedbed must be well prepared and free from clods, trash, and weeds. All growing weeds, especially Nutsedges, must be destroyed before application, preferably by means of a tine implement.

**Method of application:****Band application:**

Use an applicator, which will apply the **EPTC PLUS 720 EC** in the recommended manner. Calibrate carefully under the actual field conditions before use. Check application rates during application.

**Overall application:**

For overall weed control, apply **EPTC PLUS 720 EC** as an overall spray to a well-prepared seedbed, free of growing weeds. Ensure that the herbicide is thoroughly mixed within minutes, with the top 10 to 15 cm of soil. Application and incorporation should preferably be performed in one operation. Incorporation may be achieved by using a tandem disc or offset disc to cut to a depth of at least 15 cm operated at a speed of 7 to 8 km per hour, followed by a reversed spike tooth harrow or some levelling device, which extends beyond the ends of the disc. For thorough mixing, cross disc as soon as possible. Prior to the second disking, adjust the disc to prevent cutting deeper than the first disking. Apply the recommended quantity of **EPTC PLUS 720 EC** in 200 to 450 litres of water per hectare.

**APPLICATION RATES****1. MAIZE****1.1 Pre Plant Incorporated application of EPTC PLUS 720 EC alone**

<b><i>Crop / Soil type</i></b>	<b><i>Dosage / ha</i></b>	<b><i>Remarks</i></b>
0 to 10 % clay	2.0 ℓ	<b>Overall application:</b> Sowing can take place immediately after application, as soon as possible, in order to obtain the maximum period of weed control. If it is necessary to cultivate following application and incorporation, do not work the soil deeper than the depth to which the herbicide was incorporated. For prolonged broadleaf weed control, <b>Agrazine 500 SC</b> may be applied in a mixture with <b>EPTC PLUS 720 EC</b> . Incorporate as above or apply separately either in a band or overall application. In both cases 2/3 of the recommended rate of <b>Agrazine 500 SC</b> has been found to be adequate, for the control of most broadleaf weeds. <b>IMPORTANT</b> Consult the <b>Agrazine 500 SC</b> label regarding “ <b>WARNINGS, PRECAUTIONS and RATES</b> ”.
11 to 15 % clay	2.5 ℓ	
16 to 20 % clay	3.0 ℓ	
21 to 25 % clay	3.5 ℓ	
26 to 30 % clay	4.0 ℓ	
> 30 % clay	-	<b>Not recommended.</b>
<b>Band application:</b> In proportion to the recommendations for overall application		<b>Band application:</b> To obtain a 45 cm wide band of weed control, apply <b>EPTC PLUS 720 EC</b> 4 to 6 cm deep, using a suitable applicator, i.e. 4 sub-surface jets 8 and 17 cm on either side of the sown rows, or by means of a suitable sweep mounted on the planter.

## 1.2 Pre Plant Incorporated application of EPTC PLUS 720 EC plus Cantron® 480 SC and Leap 840 EC for improved grass and broadleaf weed control

<b>EPTC PLUS 720 EC</b> 2.0 to 4.0 l/ha <b>As per clay % indicated above</b>	<b>PLUS</b> <b>Cantron® 480 SC</b> 200 ml/ha	<b>PLUS</b> <b>Leap 840 EC</b> 950 to 1200 ml/ha
<b>Overall application:</b> Apply as indicated above. Sowing can take place immediately after application, as soon as possible, in order to obtain the maximum period of weed control. If it is necessary to cultivate following application and incorporation, do not work the soil deeper than the depth to which the herbicide was incorporated.		
<b>NOTES</b> <ul style="list-style-type: none"> <li>• Use the higher dosage rate of <b>Leap 840 EC</b> where clay % is higher or higher weed pressure is expected.</li> <li>• The spectrum of weeds controlled, as well as the period of weed control normally obtained with <b>Cantron® 480 SC PLUS Leap 840 EC</b>, may be reduced as the active ingredients are placed deeper into the soil compared to normal pre-emergence application where the active ingredients are washed into the topsoil layer by rain or irrigation.</li> <li>• Due to above-mentioned this application is <b>NOT THE OPTIMAL</b> recommendation especially in situations of high pressure of grass weeds.</li> <li>• <b>A full early post-emergence herbicide spray program should still be adhered to.</b></li> </ul> Refer to the <b>Cantron® 480 SC</b> and <b>Leap 840 EC</b> labels for complete list of weeds that are controlled pre-emergence by these products.		

Consult the **Cantron® 480 SC** and **Leap 840 EC** labels for **WARNINGS, PRECAUTIONS, USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

## 2. POTATOES, DRY BEANS, SUNFLOWERS, SUGARCANE

<b>Crop / Soil type</b>	<b>Dosage / ha</b>	<b>Remarks</b>
<b>Potatoes</b>		<b>Overall application:</b>
0 to 15 % clay	3.5 l	Apply the recommended rates of <b>EPTC PLUS 720 EC</b> as an overall spray and incorporate as described under maize. Draw furrows and plant as usual.
16 to 30 % clay	5.3 l	
> 30 % clay	-	<b>Not recommended.</b>
<b>Band application:</b> In proportion to the recommendations for overall application		<b>Band application:</b> Place the fertilizer and seed in position and cover with 5 cm soil. The sidewalls of the furrows must not be so steep that the spray runs down. Apply as a band over the row and close the furrow within a few minutes, thus incorporating the <b>EPTC PLUS 720 EC</b> .
<b>Dry beans</b> ( <i>Phaseolus vulgaris</i> )		
0 to 10 % clay	1.5 l	<b>Overall application:</b> Apply as described under maize. Initial retardation may occur, but plants will develop normally.
11 to 15 % clay	2.0 l	
16 to 20 % clay	2.5 l	
21 to 30 % clay	3.0 l	
> 30 % clay	-	<b>Not recommended.</b>
<b>Band application:</b> In proportion to the recommendations for overall application		<b>Band application:</b> Apply only with sub-surface jets as described for maize.

<b>Crop / Soil type</b>	<b>Dosage / ha</b>	<b>Remarks</b>
<b><u>Kidney beans</u></b> ( <i>Phaseolus coccineus</i> ) 0 to 10 % clay	620 ml / 10000 m row length	<b>Band application only.</b> <b>IMPORTANT</b> Only band application is recommended for kidney beans. Under abnormal conditions, stunting of kidney beans may occur. Recommendations are in ml per 10000 m row length (45 cm band). Apply only with sub-surface jets as described under maize but ensure that the two (2) inner jets are 4 cm above the seed level.
11 to 30 % clay	780 ml / 10000 m row length	
> 30 % clay	-	
<b><u>Sunflowers</u></b> 0 to 15 % clay	-	<b>Not recommended.</b>
16 to 20 % clay	2.0 ℓ	<b>IMPORTANT</b> Retardation of sunflowers may occur in an early stage, but plants will recover normally by harvest. To prevent initial retardation sunflowers should be planted from 7-days after application. Apply as an overall treatment. <b>EPTC PLUS 720 EC</b> may only be used on Kort Rus selection.
21 to 30 % clay	3.0 ℓ	
> 30 % clay	-	
<b><u>Sugarcane</u></b> 0 to 15 % clay	3.0 ℓ	Apply the recommended rate of <b>EPTC PLUS 720 EC</b> as an overall application, only to plant cane and incorporate to a depth of 20 cm as described under maize. Planting should take place immediately after incorporation, in order to obtain the maximum period of weed control. Hand planting is recommended. If furrows are drawn during planting, ensure that furrows do not exceed a depth of 15 cm. This will prevent untreated soil from being brought to the surface. Should broadleaf weeds present a problem, contact your local representative for program recommendations. A low-cost post-emergence application should be sufficient.
16 to 30 % clay	5.0 ℓ	
> 30 % clay	7.0 ℓ	

<b>WEED CONTROL</b>	
<b>The following weeds will be effectively controlled under normal conditions:</b>	
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cyperus rotundus</i>	Red nutsedge
<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Chloris radiata</i>	Spiderweb Chloris
<i>Digitaria sanguinalis</i>	Crabfinger-grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum schinzii</i>	Vlei Panicum
<i>Setaria pallide-fusca</i>	Garden bristle grass
<i>Setaria verticillata</i>	Bur bristle grass
<i>Tragus racemosus</i>	Carrotseed grass
<i>Urochloa panicoides</i>	Garden Urochloa
<b>Control of the following broadleaf weeds may vary depending on climatic conditions. These weeds will be controlled ONLY if the correct dosage rate has been used and if conditions for control are good, i.e., well-prepared, and fine seedbed followed by favourable soil conditions that benefit seed germination.</b>	
<i>Amaranthus hybridus</i>	Cape pigweed
<i>Bidens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Cleome monophylla</i>	Single-leaved Cleome
<i>Datura stramonium</i>	Common thorn apple

**WEED CONTROL**

The following weeds are also controlled with a Pre-Plant Incorporated application of EPTC PLUS 720 EC plus Cantron® 480 SC and Leap 840 EC.  
 These weeds will be controlled ONLY if the correct dosage rate has been used and if conditions for control are good, i.e., well-prepared and fine seedbed followed by favourable soil conditions that benefit seed germination.

<i>Datura ferox</i>	Large thorn apple
<i>Commelina benghalensis</i>	Bengal wandering jew
<i>Portulaca oleracea</i>	Purslane
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Khaki weed

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

- **CANTRON® 480 SC** (L 8365 / N-AR 1322 / W 130664) = **ASTRON® 480 SC** (L 8366) = **CANONNE 480 SC** (L 8735) (**Mesotrione**),
- **LEAP 840 EC** (L 8064 / N-AR 1103 / W1301419) = **PREMIUM 840 EC** (L 8066) (**Acetochlor + Benoxacor**).

**CANTRON® 480 SC** and **LEAP 840 EC** are registered products of  
**VILLA CROP PROTECTION (PTY) LTD.**

**AGRIZINE 500 SC, ASTRON® 480 SC** and **PREMIUM 840 EC** are registered products of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**

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