



Herbicide

# CYATEA 500 SC

Reg. No. L 11077 Act No. 36 of 1947

2: 17/1/2023 – Feb2023

A suspension concentrate herbicide for the control of annual broad-leaved weeds and some grasses in Rooibos tea and Cotton as indicated.

## ACTIVE INGREDIENT

cyanazine (triazine)

500 g/l

GROUP

5

HERBICIDE



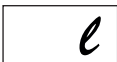
WARNING

### Hazard Statements:

Harmful if swallowed.  
Causes mild skin irritation.  
Causes serious eye irritation.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Avoid release into the environment.  
IF ON SKIN: Wash with plenty of water and non-abrasive soap.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1983/008184/07  
PO 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:

**CYATEA 500 SC**

Reg. No. L 11077 Act No. 36 of 1947  
 HRAC HERBICIDE GROUP CODE: 5

**ACTIVE INGREDIENT:**

cyanazine (triazine) .....500 g/l

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**WARNINGS****Withholding periods:**

<b>Minimum number of days between the last application and harvest:</b>	
Rooibos tea	56 days
Cotton (grazing)	Do not graze within 56 days
Cotton (grazing) when tank mixed with <b>Alpha-cypermethrin</b> or <b>Cypermethrin</b>	28 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:**

Harmful if swallowed.
Causes mild skin irritation.
Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.

- Harmful if inhaled.
- May be harmful in contact with skin.
- Toxic to bees and wildlife.
- Store in a cool, dry place under lock and key, away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, animals and uninformed persons.
- **In case of poisoning call a doctor and make this label available to him/her.**
- Re-entry: Do not enter treated area within 1 day after treatment 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 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:**

Wash hands thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Rinse mouth. IF SWALLOWED: Get medical help.
If skin irritation occurs: get medical help.
If eye irritation persists: Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container to suitable landfill in accordance with local regulations.

- Do not inhale the spray mist.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face or change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Do not apply where roots of other desirable plants can absorb the chemical.
- Do not mix or load within at least 15 metres of boreholes, streams, rivers and dams. Do not apply within at least 15 metres from boreholes, streams and rivers. Do not apply within at least 60 metres from dams.
- Ensure that no back siphoning to boreholes or dams takes place, where **CYATEA 500 SC** is applied through the irrigation system.
- Clean the applicator before using with other material 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 foods, feeds, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
<b>Cyanazine</b>	500 g/l
Tristyrylphenol ethoxylates	< 35 g/l
Sodium dodecyl sulfate	< 25 g/l
Glycol	< 55 g/l

### **FIRST AID TREATMENT**

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **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 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 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 signs and symptoms of **Triazine** poisoning are known or expected in humans. An antidote is neither known nor needed. Treat symptomatically when required. When large amounts have been ingested, gastric lavage or the administration of activated charcoal with water may be indicated.

### **RESISTANCE WARNING**

**CYATEA 500 SC** is a group code 5 herbicide. Any weed population may contain individuals naturally resistant to **CYATEA 500 SC** and other group code 5 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **CYATEA 500 SC** or any other group code 5 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.

**Mode of action: CYATEA 500 SC** is a selective, systemic herbicide, absorbed by roots and also by foliage, translocated acropetally in the xylem to the leaves. Maize selectivity is due to detoxification by conjugation with glutathione (GSH) catalysed by glutathione S-transferase (GST). It inhibits photosynthetic electron transport by binding at the QB site on the D1 protein of the photosystem II complex, resulting in formation of reactive chemical species that oxidise and degrade lipids and proteins.

### **USE RESTRICTIONS**

- For optimal post-emergence weed control, apply **CYATEA 500 SC** when the weeds are actively growing and not under stress conditions.
- **Soils:**
  - **CYATEA 500 SC** should not be applied to saturated soils. This may result in lowered physiological resistance of the crops and leads to a reduction in yield.
  - Cotton seed should be planted a minimum of 12 mm deep to prevent any potential injury that could occur from a **CYATEA 500 SC** application. Post emergence application of **CYATEA 500 SC** should only be performed if shields are utilized to prevent any foliage coming into contact with the spray mixture, as this may result in crop damage.
- **Rooibos tea:**
  - **CYATEA 500 SC** should be applied to established Rooibos tea plants, that is at least nine (9) months old.
  - Keep **CYATEA 500 SC** contact with Rooibos tea foliage to a minimum, by applying the product between rows.
  - **CYATEA 500 SC** should be applied from the beginning of May until mid-July, when Rooibos tea growth is least active and when the winter weeds are most actively growing.
  - **Do not** apply **CYATEA 500 SC** to Rooibos tea under windy conditions where “waaisand” is likely to occur.

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

#### **Compatibility:**

**CYATEA 500 SC** is compatible with **Polytrin Super 100 SC** and **POLYTRIN 200 EC** (L 5409 / N-AR 1085) in tank mixtures (see **Mixing Instructions** below), as well as the adjuvant **INTERLOCK®** (L 10254). **Interlock®** can be added to improve drift control, canopy penetration and weed coverage. **CYATEA 500 SC** is not compatible in tank mixtures with aniline herbicides.

#### **Mixing instructions:**

- **Shake well just before use and replace cap directly after having been dispensed.**
- Half fill the spray tank with clean water and ensure agitation.
- **Pre-mixing:** Depending on the final volume to be used for application, add a quarter amount of water needed to a container. Add the required amount of **CYATEA 500 SC** to the water in the container and mix thoroughly. If **CYATEA 500 SC** is to be used in tank mixtures with any of the above-mentioned products, pre-mix in a similar fashion.
- Add the **CYATEA 500 SC** pre-mix through a 50-mesh sieve into the tank, whilst stirring. Add the emulsifiable concentrates after the suspension concentrates and the adjuvant **Interlock®** last.
- Top up with water to the final volume required.
- Maintain agitation while spraying.
- Apply mixture immediately. Prepared spray mixture must not be left in the spray tank for any length of time, e.g., overnight.

#### **General Directions:**

- **CYATEA 500 SC** may be used as a pre- or early post-emergent application of the weeds.
- **CYATEA 500 SC** must be applied at the recommend rates to a well-prepared seedbed that is free from clods and trash with an even surface.
- It is preferable that rain should follow within 7 to 10 days after application in order to leach the **CYATEA 500 SC** into the top layer of the soil, where it can be absorbed by the roots of germinating weeds.
- If after application, dry weather conditions should prevail for a period of 7 to 10 days, weeds may germinate and develop. If this happens, a very shallow cultivation with a millipede should follow to control these weeds and to incorporate the herbicide into the top layer of the soil.
- Broad leaf weeds should not exceed a height of 40 mm and grass weeds should not be beyond the 2- to 3-leaf stages when **CYATEA 500 SC** is applied post-emergent. Should the weeds be of a bigger size

then a cultivation is needed first to eliminate the existing weeds. **CYATEA 500 SC** can then be applied to clean soil.

## APPLICATION RATES

### 1. Rooibos tea - CYATEA 500 SC applied solo for the control of broad leaf weeds

#### NOTES

- Refer to “**USE RESTRICTIONS**” above.
- Accurately calibrate spray equipment prior to application. Use fan type nozzles, to ensure a uniform coverage.
- Use 200 litres water per hectare for overall application. Proportionately lesser volumes of water to be used in the case of band treatment.
- A second application at the same dosage rate may be applied at 21 to 28 days after the first application. This should only be applied where sufficient rain has fallen to incorporate the first application (refer “**USE RESTRICTIONS**” above).

<b>CYATEA 500 SC</b> 1.0 to 1.5 ℓ/ha	<b>PLUS</b> <b>Interlock</b> <sup>®</sup> 250 ℓ/ha
<b>WEEDS CONTROLLED</b>	
Botanical name	Common name
<i>Arctotheca calendula</i> *	Cape marigold
<i>Arctotis angustifolia</i>	Narrow-leaved arctotis
<i>Bulbostylis hispidula</i>	Slender sedge
<i>Emex australis</i> **	Spiny emex
<i>Hypochoeris radicata</i> *	Hairy wild lettuce
<i>Oncosiphon grandiflorum</i>	Matricaria
<i>Sisymbrium capense</i> *	Cape wild mustard
* Use higher dosage rates	
** Variable control at higher dosage rates	

### 2. Cotton - CYATEA 500 SC applied post-emergence of weeds

#### NOTES

- Refer to “**USE RESTRICTIONS**” above.
- Accurately calibrate spray equipment prior to application. Use hydraulic type nozzles, to ensure a uniform coverage.
- Use 200 litres water per hectare for overall application. Proportionately lesser volumes of water to be used in the case of band treatment.
- Applications can be made either pre –or early post emergent of weeds and crop, provided shields are used when applying post emergent of the crop to keep the chemical spray off the cotton plants.
- A second application at the same dosage rate may be applied at 21 to 28 days after the first application. This should only be applied where sufficient rain has fallen to incorporate the first application (refer “**USE RESTRICTIONS**” above) and provided weeds have exceeded a certain stage (see **General Directions**).

% Clay	<b>CYATEA 500 SC</b>	<b>PLUS</b> <b>Interlock</b> <sup>®</sup>
0 to 20	Not recommended	-
21 to 35	1.0 ℓ / ha	250 ℓ/ha
36 to 55	1.5 ℓ / ha	250 ℓ/ha
> 55	1.6 ℓ / ha	250 ℓ/ha

<b>WEEDS CONTROLLED</b>	
Botanical name	Common name
<i>Arctotheca calendula</i> *	Cape marigold
<i>Amaranthus</i> spp.	Pigweeds
<i>Chenopodium album</i>	White goosefoot
<i>Portulaca oleracea</i> *	Common purslane
<i>Raphanis raphanistrum</i> *	Wild radish
<i>Schkuhria pinnate</i>	Dwarf marigold

<i>Sisymbrium thellungi</i> *	Wild mustard
<i>Pentzia grandiflora</i>	Stinkweed
* Variable control	

Consult all products labels mentioned in this label for **WARNINGS, PRECAUTIONS, USE RESTRICTIONS, APPLICATION RATES** and **DIRECTIONS FOR USE**.

The following product mentioned in this label may be replaced with an equivalent product listed below:

- **POLYTRIN SUPER 100 SC** (L 7262 / W 1301112) = **ALPHA-THRIN 100 SC** (L 7425).

**POLYTRIN SUPER 100 SC** is a registered product of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**

**ALPHA-THRIN 100 SC** is a registered product of  
**VILLA CROP PROTECTION (PTY) LTD.**

**INTERLOCK®** is a registered trademark of  
**WINFIELD SOLUTIONS REGISTRATION HOLDINGS (PTY) LTD.**