

# Alto<sup>®</sup> 100SL

syngenta.

**Soluble concentrate**

FUNGICIDE/KIUA KUVU

Systemic fungicide for control of Coffee leaf rust in coffee.  
(Kiua kuvu cha kudhibiti Coffee leaf rust kwenye kahawa).

**GUARANTEE (DHAMANA):** Cyproconazole 100 g/L



**READ THE LABEL BEFORE USING (SOMA KIBANDIKO KABLA YA KUTUMIA).**

**KEEP LOCKED OUT OF REACH OF CHILDREN (WEKA MBALI NA WATOTO)**

**COMMERCIAL AND AGRICULTURAL CLASS (KUNDI LA BIASHARA NA KILIMO).**

**REGISTRATION NO (NAMBARI YA USAJILI):** PCPB(CR)0203

**SHELF LIFE:** Two (2) years from date of manufacture when stored in its original unopened container in a cool, dry and well-ventilated place.

**(MAISHA RAFUN):** Miaka 2 kutoka tarehe ya kutengenezwa kwenye kifaa chake asili ambacho hakijafunguliwa pahali pakavu, tulivu na mbali na joto).

**In case of Poisoning Call Toll Free Emergency Nos. (Kukiwa na Kusumika piga simu isiotozwa ada Nambari):** 0800720021 / 0800730030 (24 hours/Masaa 24)

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**Manufacturer (Watengenezaji):**

Syngenta Crop Protection AG, Basel, Switzerland.



**Distributor (Wasambazaji):**

Syngenta East Africa Ltd.  
P.O. Box 30393, 00100 NAIROBI, KENYA  
Tel.: +254 703 018000/703 019000  
Email: syngenta.east\_africa@syngenta.com

**Batch No. (Nambari Ya Kifurushi):**

**Date of Manufacture (Tahere ya Kutengenezwa):**

**Date of Expiry (Tumia Kabla):**

**NET CONTENT (KIPIMO):** 250 ml

WHO Class III, Slightly hazardous

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CAUTION  
TAHADHARI



**DESCRIPTION:**

Soluble concentrate

Systemic fungicide for control of Coffee leaf rust in coffee.

**Active ingredient content:** Cyproconazole 100 g/L

**Active ingredient content:** 100 grams/litre cyproconazole\*

**Mode of action:**

Cyproconazole belongs to the group of DMI-fungicides (demethylation inhibitors). It stops development of fungi by interfering with the biosynthesis of sterols in cell membranes. Cyproconazole is absorbed by the assimilating parts of the plant, majority within one hour. It is transported acropetaly (upwards) in the xylem. This systemic translocation contributes to the distribution of active ingredient within plant tissue and prevents it being washed off. Cyproconazole acts on the fungal pathogen inside the plant at stage of first haustoria formation.

Although the biological mode of action of cyproconazole permits

protective, curative or eradicated use, best results are achieved if the product is applied when the disease is active but still in the early stage of development.

**Mixing instructions:**

Half fill the spray tank with water. Add the required amount of ALTO® 100 SL then fill the water to the required level and mix or agitate thoroughly to uniformity. Spray immediately after mixing.

**DIRECTIONS FOR USE:**

Shake well before use. Replace cap after pouring.

**Directions for Use**

Crop	Disease	Application Rate, spray volume/20L	Timing & frequency of application
Coffee	Leaf rust	0.5 L/ha Spray volume: 600-1000 L/ha for	Spray once if infestation reaches 20%. A second

	<p>tractor and knapsack sprayer (240-400 l/acre)</p> <p>For small holders use:</p> <p>– 20 ml/20 L Knapsack when using 500 L/ha of water</p> <p>– 12.5 ml/20 L Knapsack when using 800 L/ha of water</p> <p>– 10 ml/20 L Knapsack when using 1000 L/ha of water</p>	<p>spray 4 weeks later should be done if infestation persists. Apply a maximum of 2 sprays/season. Use a cone jet-nozzle.</p>
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**Pre-harvest interval (PHI):** Coffee: 30 days.

Re-entry interval (REI): Observe a re-entry period of 12 hours or wear protective clothing to enter treated area.

**Resistance management:**

Repetitive/continual use of ALTO® 100 SL can lead to pesticide resistance. It is recommended that ALTO® 100 SL is alternated with pest control products with a different MODE OF ACTION as well as adhere to good farming practices.

**IPM-Fitness:**

ALTO® 100 SL can be recommended at the first signs of the disease, and used in conjunction with disease warning and forecasting methods. In general ALTO 100 SL can be considered safe to the majority of beneficial arthropods. ALTO 100 SL is therefore a suitable product for use in IPM-system.

**Spray equipment:**

For ground application, tractor sprayers with boom and nozzles and knapsack sprayers are recommended. Ensure that the spray equipment is properly calibrated. In all cases apply the recommended quantity of ALTO® 100 SL in sufficient water to ensure coverage of all parts of the plant.

**HAZARDS/PRECAUTIONS****Precautionary measures**

KEEP LOCKED UP OUT OF REACH OF CHILDREN and other, unauthorised persons, and animals.

**Operator safety:**

ALTO® 100 SL is harmful upon ingestion. Avoid any contact with skin, eyes or clothing. Do not breathe spray mist. Do not drink, smoke or eat during work. Wash hands and face thoroughly first. Wear protective clothing, i.e. overall, rubber gloves and gumboots, faceshield when handling the concentrate and spray mixture. Immediately wash off accidental splashes of concentrate/spray

mixture. Change contaminated clothing immediately and launder before re-use. After work wash hands and exposed parts of body thoroughly with soap and water.

**STORAGE:**

Store away from sun and damp in a well-ventilated area, in original sealed container. Keep apart from food and feeds under lock and key. Avoid storage above +35°C. Prolonged storage at temperatures exceeding +35°C may reduce shelf life and activity of the product.

**DISPOSAL:**

Triple rinse empty container and add washings/rinse off to spray mixture, then perforate or puncture holes on empty containers. Dispose in accordance with National Legislation and Regulation on hazardous chemical disposal. **Do not** pour rinsate into any drain or on any site in close proximity to human or animal habitation, water sources, water ways or water bodies. **DO NOT**

**REUSE empty pesticide containers for any other purpose.**

**Accidental Release:**

Keep people away from the spill area. Use personal protective equipment when cleaning up the spill. **Do NOT** wash away into sewer. **Do NOT** let this chemical enter the environment, Pour the contents of leaking container in empty container that originally held same product or put leaking container into a larger, clearly labelled, container. Absorb by covering the spill with absorbent materials, such as sawdust, clay or kitty litter. Dispose in accordance with National Legislation and Regulation on hazardous chemical disposal.

**Note:** Split product must **not** be used.

**ENVIRONMENT AND WILDLIFE:**

ALTO® 100 SL possesses a low to moderate toxicity to wildlife. It is non-toxic to honeybees and earthworms, slight to moderate toxicity to fish and daphnia and high toxicity to algae. It is of moderate

toxicity to birds. Keep all livestock out of freshly treated area. Do not contaminate water areas (ponds, ditches, lakes, drainage systems).

**FIRST AID INSTRUCTIONS:**

If poisoning is suspected, stop work immediately and call a physician. **If inhaled**, remove patient from further contact with the pesticide place them in a well-ventilated area. **In case of skin contact skin**, strip off all clothing and wash body including hair with soap and water. **In case of eye contact**, rinse eyes with abundant fresh, clean water, for at least 15 minutes. **If swallowed**, administer a large quantity of activated medical charcoal. Never give anything by mouth to an unconscious person. Do not induce vomiting. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

**TOXICOLOGICAL INFORMATION**

**Antidote and remedial measures:** There is no specific antidote known.

**Poisoning symptoms:** No case of human poisoning is on record.

**Note to doctor:** Apply symptomatic therapy.

**In case of Poisoning Call Toll Free Emergency Nos.:  
0800720021/0800730030 (24 hours).**

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act (Cap. 346) to use or store a pest control product under unsafe conditions.

**WARRANTY**

Seller's guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

**MAELEZO:**

Huchanganyika na maji.

Kiua kuvu cha kudhibiti Coffee leaf rust kwenye kahawa.

**Dhamana:** Cyproconazole gramu 100 kwa lita moja.

**Inavyofanya kazi:** ALTO® 100 SL huingia ndani ya mimea kwa kupitia kwa matawi. ALTO® 100 SL inapendekezwa kunyunyizwa kabla ya mvua kunyesha na kabla ya ugonjwa kuwa mwingi.

**Kuchanganya na maji:**

Jaza nusu ya bomba na maji. Ongeza kipimo kinachohitajika cha ALTO® 100 SL kisha ongeza maji kinachohitajika na utikise kabisa kuchanganya vizuri. Nyunyiza mara moja baada ya kuchanganya.

**Jinsi ya kutumia:** ALTO® 100 SL ikitumiwa kwa njia inavyopendekezwa hapa huzuia na huangamiza kutu ya majani kwenye kahawa.

**Mapendekezo ya kutumia**

Mmea	Ugonjwa	Kiasi cha dawa, maji / 20 L	Wakati wa kunyunyiza
Kahawa	Leaf rust	0.5 L/ha Kiasi cha maji: 600-100 L/ha Kwa trakta au bomba la kubeba mgongoni (knapsack) (lita 240–400 kwa ekari moja)  Kiasi cha kutumia kwa bomba la kubeba mgongoni:  – Mililita 20 kwa bomba ya lita 20 (ili kutumia lita 500 za maji kwa hekta)	Nyunyiza baada ya dalili ya ugonjwa ifike 20% na rudia tena baada ya wiki nne ikiwa dalili ya ugonjwa bado iko. Nyunyizamara mbili tu kwa msimu mmoja. Tumia cone jet nozzle.

	<p>– Mililita 12.5 kwa bomba ya lita 20 (ili kutumia lita 800 za maji kwa hekta)</p> <p>– Mililita 10 kwa bomba ya lita 20 (ili kutumia lita 1000 za maji kwa hekta)</p>	
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**TAHADHARI:**

WEKA MBALI NA WATOTO, wanyama na watu wasiohusika na kazi yake.

**Usalama kwa wanyunyizaji:**

Usimeze ALTO® 100 SL. Usivute hewa iliyo na dawa. Chunga dawa isiingie kwenye macho, mwili au nguo ulizovaa. Usile, usinywe na usivute sigara wakati wa kunyunyiza dawa; na kabla ya kufanya hivyo oga mikono na uso. Vaa nguo za kazi yaani ovaroli, buti, kofia na glavu hasa wakati wa kukoroga na kunyunyiza dawa. Ukimwagikiwa na dawa mwilini au nguoni, osha mara moja. Baada ya kazi oga mwili wote na maji na sabuni. Safisha nguo za kazi kabla ya kuzitumia tena.

**Dawa imalizikapo:**

Suuza mikebe na mapipa mitupu mara tatu kisha ongeza maji yenye dawa kwenye bomba la kunyunyiza. Toboa na kupondaponda kabisa mikebe na mapipa mitupu ya dawa kisha utupe kulingana na Sheria na Kanuni za Nchi za utupaji wa kemikali hatari. Usimwage maji iliyo na dawa kwenye sehemu ya kutoa maji, vyanzo vya maji au karibu na makao ya watu au wanyama. **USITUMIE mikebe au mapipa ya dawa kwa kazi ingine yoyote.**

**Kumwagika au kuvuja kwa dawa:**

Zuia watu mbali na sehemu iliyo na dawa. Vaa nguo za kujikinga wakati unapotoa dawa iliyomwagika. Usimwage dawa kwenye sehemu ya kutoa maji na usiwachilie dawa iingie kwenye mazingira. Chota dawa iliyovuja au kumwagika kwa uangalifu kisha utupe kulingana na Sheria na Kanuni za Nchi za utupaji wa kemikali hatari.

**Zingatia:** Dawa iliyomwagika isitumike tena.

**MADHARA KWA MAZINGIRA:**

ALTO® 100 SL haidhuru nyuki. Dawa hii inaweza kudhuru samaki, Daphnia, algae na ndege. Usimwage dawa mtoni au kwenye kisima. Wanyama wote wasikubaliwe kuingia mahali ALTO® 100 SL

imenyunyizwa na usiokote au kuvuna chakula yoyote ya mifugo mahali imenyunyizwa dawa kabla ya wakati salama kuisha.

#### **MAELEZO YA HUDUMA YA KWANZA:**

Ukijiskia umesumika acha kazi mara moja na muone daktari mara moja. Mgonjwa awekwe mahali penye mbali na dawa. **Kama dawa imemwagika mwilini**, toa nguo na unawe haraka kwa maji safi na sabuni. Nguo zilizochafuka zifuliwe vizuri. **Kama dawa imeingia kwenye macho**, osha kwa maji mengi kwa dakika 15. **Kama dawa imevutwa**, nenda kwenye sehemu yenye hewa safi. **Endapo dawa imemezwa**, mgonjwa apewe mkaa wa hospitali uliochanganywa na maji mengi. Daktari aitwe mara moja. Mgonjwa aliyepoteza fahamu asilishwe au kunyweshwa kitu chochote kwa njia ya mdomo, na wala asitapishwe. **PELEKA MJERUHI KWA DAKTARI.**

**Kinga:** Hakuna kinga maalum. Matibabu ni vile atakavyoona daktari.

**Kukiwa na Kusumika piga simu isiotozwa ada Nambari: 0800720021/  
0800730030 (masaa 24)**

#### **ILANI KWA MTUMIAJI:**

Dawa hii ni sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za madawa ya kuangamiza wadudu waharibifu (Cap. 346) kutumia au kuhifadhi dawa hii katika hali isiyo salama.

#### **THIBITISHO**

Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ambayo ni lazima yafuatwe kikamilifu. Mnunuzi lazima akubali hatari zozote zinazoweza kutokana na matumizi ya dawa hii kwa binadamu au mali na lazima aikubali dawa hii katika hali hiyo.