

Artea®

A broad-spectrum, foliar fungicide with systemic properties for the control of leaf rust, Septoria leafspot in wheat; net blotch, spot blotch and scald in barley.

REGISTRATION NO. PCPB(R) 0277

Emulsifiable concentrate

GUARANTEE: Propiconazole 250 g/lit. + Cyproconazole 80 g/lit.

Flammable



COMMERCIAL AND AGRICULTURAL CLASS

**KEEP LOCKED OUT OF REACH OF CHILDREN
READ LABEL AND ATTACHED LEAFLET BEFORE USING**

Shelf Life:

At least 2 years from date of manufacture in original unopened containers.

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Manufactured by: Syngenta Crop Protection AG, Basle, Switzerland

Distributor: Syngenta East Africa Ltd

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syngenta

Colour band: GREEN

CAUTION



Mode of Action

Both active ingredients are absorbed by the assimilating parts of the plant, within one hour. They are transported acropetally in the xylem. This systemic translocation contributes to good distribution of the active ingredients within the plant tissue and prevents them from being washed off. The active ingredients act on the fungal pathogen inside the plant at the stage of first haustoria formation. They stop the development of fungi by interfering with biosynthesis of sterols in cell membranes and more precisely belong to the group of DMI fungicides. It is recommended to use the product when the disease is active but still in the early stage of development.

Spectrum of Activity

Wheat

<i>Puccinia graminis</i>	Black rust/stem rust
<i>Puccinia recondita</i>	Brown rust
<i>Puccinia striiformis</i>	Yellow rust/stripe rust
<i>Septoria</i> spp.	Leaf spot/leaf blotch

Barley

<i>Pyrenophora teres</i>	Net blotch
<i>Rhynchosporium secalis</i>	leaf blotch/scald

Crop tolerance: When used according to recommendations, ARTEA® is well tolerated by the wheat and barley.

IPM-Fitness: ARTEA® is safe to the majority of beneficial arthropods and is thus suitable for use in IPM systems.

DIRECTIONS FOR USE

To avoid risks to man and the environment, comply with the instructions for use.

Wheat

Target diseases: Rust diseases, *Septoria* spp.

Rate: 0.5 lt./ha

Interval: 3-6 weeks, depending on disease pressure

Timing: ARTEA® should be applied at first signs of disease (1 to

maximum 3% of leaf area attacked).

PHI: 42 days

Barley

Target diseases: Rust diseases, net blotch and *Rhynchosporium secalis*.

Rate: 0.5 lt./ha

Interval: 3-6 weeks, depending on disease pressure

Timing: ARTEA® should be applied at first signs of disease (1 to maximum 3% of leaf area attacked).

PHI: 42 days

Application Information

All application equipment has to be properly calibrated before use with regard to forward speed, flow rate and evenness of distribution. Avoid spray drift to non-target sites. Stop spraying in winds higher than 5 m/s. Do not spray during the hot hours of the day, if the foliage is wet or rain is imminent. ARTEA® is best applied with tractor boom sprayers at volume rates of 100-500 lt./ha (optimum 200 lt./ha). Use 110° (110 degrees) flat fan nozzles at 2-5-bar pressure. Boom height should be 30-50 cm above crop canopy. When using portable equipment, keep your walking speed steady. With knapsack sprayers 150-600 lt./ha are recommended and hollow cone nozzles with a pressure of 2-3 bars should be used.

Aerial application: Fixed wing aircraft equipped with boom and hollow cone nozzles or rotary atomisers can be used. Boom length should not exceed 80% of the wing span. Use hollow cone nozzles oriented 90-135° relative to the direction of flight.

Proper flagging is important. Avoid temperatures above 29°C, and relative humidities below 60%. Spray volumes of 30-50 lt./ha, and a flight height of 2-3 m over the crop are ideal.

Mixing: Make sure the spray tank/mixing tank is clean and not contaminated. Shake the product in the pack well before pouring. Calculate carefully the amount of spray mixture in order to prevent any left over in the spray tank after spraying. Do not pre-mix in bulk for more than a days work. Fill 1/4 to 1/3 of the spray tank/mixing tank with clean water, start agitation, add the required and measured product and continue to refill the tank while continuing agitation. Continue agitation during mixing and application to maintain a uniform spray mixture. When filling the tank, the filling hose should always be above water level in order to prevent suck back.

Compatibility: ARTEA® is tank-mix compatible with major commonly used pesticides. It is generally recommended to check local compatibility on a small scale first.

Clean up procedure: Flush the sprayer/aircraft with clean water after application or at the end of the day by spraying the rinsing at a dilution rate of at least 1:10 (spray mixture:rinsate) on the crop.

Hazards and Precautions

Precautionary measures

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

Operator safety: EYE AND SKIN IRRITANT. AVOID getting product or spray mixture in contact with eyes, skin, or clothes. DO NOT breathe vapour or spray mist. DO NOT eat, drink or smoke while handling the product and wash hands and face thoroughly before doing so. If poisoning is suspected, consult a physician immediately. WEAR overalls, hat or cap, face shield, gumboots, and gloves, when handling the product. Wash off accidental splashes of concentrate and spray mixture from skin and working clothes immediately. After work, change clothes and thoroughly wash entire body, including hair. Wash contaminated working clothes before re-use.

FIRST AID INSTRUCTIONS

If poisoning is suspected stop work immediately and consult a physician. Show product label to the physician. Move the patient away from further contact with the pesticide and place him in a well-ventilated area. Remove clothing and wash entire body including hair with soap and water. Rinse eyes with abundant fresh and clean water (for at least 15 minutes). Administer a large quantity of activated medical charcoal mixed with water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting.

TOXICOLOGICAL INFORMATION: ARTEA® is flammable and of low mammalian toxicity. No case of human poisoning is on record.

Antidote: No specific antidote is known. Apply symptomatic therapy.

Product and Container Disposal: Dispose of surplus product on a landfill site approved for pesticides or bury in a safe place away from water sources. Dilute surplus spray mixture with plenty of water and pour it broadcast on non-crop area (fallow land). Empty containers, rinse with water several times, add rinse solutions to the spray tank. Do not contaminate water sources by disposal of wastes. Do not re-use empty containers for any other purpose, especially for food and feed or storing drinking water.

Spillage and Leakage: Remove heavily contaminated soil layer and bury in a safe place away from water sources. Spillages: soak up with sand, sawdust, soil or an oil-binding agent. Collect up the contaminated material thoroughly and bury in a safe place or put in a waste bin or a plastic bag, mark it and dispose of on a landfill site approved for pesticides. Treat spill areas with plenty of water.

Environment and Wildlife: Toxic to fish. DO NOT contaminate water used for irrigation or domestic purposes and water sources, such as ponds, ditches, lakes, drainage systems, etc., by disposal of product waste. Newly treated areas must not be grazed and all livestock is to be kept away.

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 to use or store a pest control product under unsafe conditions.

User's Risk

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. The manufacturers decline responsibility for damage resulting from faulty storage or application of their products or from failure to observe recommendations.

Resistant strains of diseases may develop or may exist against which ARTEA® may be less effective. Since the occurrence of such strains cannot be forecast, neither the manufacturer nor its distributors can assume responsibility for any loss or damage caused by failure to control resistant diseases. Numerous and various factors, particularly those depending on the site, such as the nature of the soil, plant varieties, and weather conditions, can result either in the product not having all the required efficacy or in damage to treated crops. The user assumes liability for risks of this type.

Before applying the product read the attached product label and accompanying packaging leaflet.

Use pesticides safely.

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