

L1063219 ZAMB/06Y PPE 4122148



Elatus™ Arc

SOLATENOL™ technology

syngenta.

KEEP LOCKED UP OUT OF REACH OF CHILDREN.

Before opening the container, read the safety advice.

Shelf-Life:

At least 3 years from date of manufacturing, in original unopened containers stored in a cool dry well ventilated place.

24 HOUR/UUR EMERGENCY NUMBER:

+2601211244766

Manufactured by:

Syngenta Crop Protection AG, Basel, Switzerland

Distributor:

Syngenta Zambia Ltd.

Plot 5255, Mukwa Road,

P.O. Box 33088,

Lusaka, Zambia,

Tel.: +260 211 244 766



5 Litres

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WARNING



PRODUCT INFORMATION

ELATUS™ Arc is a broad spectrum fungicide for the control against various fungal diseases in wheat, barley, maize, sweetcorn and soya beans as indicated on application table below.

Hazard classification:

WHO II (Moderately hazardous)

Safety precautions

- Do not smoke, drink or eat while using the product. Wash hands and face before doing so.
- While handling the concentrate, wear rubber gloves.
- Keep the product in its original tightly closed container, apart from drinks, food and feed, under lock and key, out of reach of children, unauthorized persons and domestic animals.
- Store in a dry, shady and well-ventilated area. Avoid temperatures above +35°C. Do not stack containers in piles more than 2m high, in order to avoid product compaction or damage

Safety precautions when mixing

- Wear adequate protective clothing, such as overall with long sleeves, face shield, impermeable gloves and gumboots.
- After emptying container, rinse three times adding washings to the spray tank.

Safety precautions when applying

- Wear adequate protective clothing, such as overall with long sleeves, impermeable gloves, gum-boots and face shield.
- AVOID any direct contact of skin, eyes or clothing with concentrate or mixture.
- DO NOT breathe product fumes.
- DO NOT eat, drink or smoke while handling the product; wash hands and face before doing so. If any indisposition occurs, stop work, follow first aid measures, and call a physician.

Safety precautions after use

- Dispose of unwanted spray solution by spraying off on waste ground, far away from any source of water.
- Keep unused product in its original container, tightly closed.

- Wash thoroughly all protective equipment and wash entire body and change clothing. Wash contaminated clothing before re-use.
- Do not enter the treated area within 12 hours unless recommended protective clothing is worn.

Empty containers disposal

- Empty carefully the container, rinse three times and add the rinse to the spray solution.
- Do not re-use empty containers for other purposes
- Follow the local regulations
- Enquire with the manufacturer or distributor about possibilities of collection or recycling.
- Puncture, cut or crush the containers so that they cannot be used again. Then bury or burn in a safe place, away from water supplies. Do not inhale fumes.

Unwanted product disposal

- Enquire with the manufacturer or distributor about possibilities of collection or recycling.
- Dispose the product in a special centre for the destruction of hazardous wastes.

First Aid measures

- If poisoning is suspected stop work immediately, apply first aid measures and call a physician. Show this label to the physician.
- In case of contact with skin remove contaminated clothing and wash immediately the affected parts of the body with plenty of water and soap. If irritations persist, call a physician. Wash contaminated clothing before re-use.
- In case of eye splashes, hold eyelids apart and pour in a gentle stream of water for 10 - 15 minutes. Call a physician.
- In case of inhalation, move the patient to fresh air and call a physician.
- In case of ingestion, do not make the person vomit. Take immediately the person and this container to the physician. Do not administer anything to an unconscious patient.

Medical treatment:

There is no specific antidote available. Treat symptomatically. Never give anything to an unconscious patient and never induce vomiting.

Environment and fauna

- Azoxystrobin, Solatenol and Propiconazole are toxic to fish, and Azoxystrobin and Solatenol are toxic to aquatic invertebrates. Solatenol is also toxic to mammals.
- Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated area. Azoxystrobin can be persistent for several months or longer.
- Do not spray by air within 50 metres of water bodies.
- Note: Spilt product must not be reused.

Mode of Action and uptake properties

ELATUS™ Arc is a combination of three different modes of action. Solatenol is a Group 7 fungicide, which is the carboxamide class with succinate dehydrogenase inhibition (SDHI) as mode of action; Propiconazole is in Group 3, which is the demethylation inhibition class; and Azoxystrobin is in Group 11, which is in the strobilurin class and is a quinone outside inhibitor.

Resistance Management

Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Resistance management strategies may include rotating with products having different modes of action or limiting the total number of applications per season. Syngenta encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label. ELATUS™ Arc should not be alternated or tank-mixed with any fungicide to which resistance has already developed.

As part of a resistance management strategy, FRAC guidelines need to be followed:

- Apply a maximum of two SDHI sprays per crop.
- Apply preventatively or as early as possible in the disease cycle to keep fungal populations low.
- Incorporate integrated pest management (IPM) practices into your program which can help reduce disease development and spread.

Application Technique / Parameters

Compatibility

Though ELATUS™ Arc can be tank mixed with several fungicides, insecticides, liquid fertilizers, adjuvants, it is recommended to test the combinations in a jar for compatibility, and on a small portion of the crop to be tested for crop injury.

Tank mixtures with dimethoate may cause crop injury.

Clean-up procedure

- After application or at the end of the day thoroughly clean application and protective equipment with clean water. The rinse water may be collected and used for the next batch or disposed according to local regulation.

User's Risk

The user bears the risk for damage resulting from factors beyond the manufacturer's control.

All recommendations are based on the current state of the manufacturer's knowledge.

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Directions for Use

CROP	DISEASE	DOSAGE (L/Ha)
WHEAT	Septoria leaf blotch <i>(Zymoseptoria tritici / Septoria tritici)</i> Brown rust <i>(Puccinia recondita)</i> Yellow / Stripe rust <i>(Puccinia striiformis)</i> Powdery mildew <i>(Blumeria graminis / Erysiphe graminis)</i> Glume blotch <i>(Stagonospora nodorum / Septoria nodorum)</i> Tan spot <i>(Pyrenophora tritici-repentis)</i>	Ground and aerial application 0.8 - 1.0 L/ha
BARLEY	Net blotch <i>(Pyrenophora teres)</i> Leaf rust <i>(Puccinia hordei)</i> Scald <i>(Rhynchosporium commune)</i> Powdery mildew <i>(Blumeria / Erysiphe Spp.)</i> Ramularia leaf blight <i>(Ramularia collo-cygni)</i>	Ground and aerial application 0.8 - 1.0 L/ha

REMARKS

- **T1 applications should target leaf 3 when fully emerged (usually coincides with BBCH 32)**

Well timed fungicide applications at T1 ensure that the crop is well protected and the disease pressure is minimised in order to maximise the benefit and duration of the T2 application.

- **T2 applications should target the flag leaf when fully unrolled (BBCH 39)**

The flag leaf is the most important leaf contributing the most to yield and quality.

ELATUS™ Arc, with its complete leaf protection, is ideally suited to the T2 timing due to its powerful, long-lasting protection

- Apply preventively or at the very first signs of disease
- Do not make more than two applications of products with SDHI mode of action in the same growing season

- **Post-harvest interval**, Wheat: 14 days

Spray Volumes:

- **Ground application:** 100 – 300 L water/ha
- **Aerial application:** 30 - 40 L water/ha

- **T1 applications should be made between mid / late tillering up to the start of stem elongation (BBCH 25 – 31)**

- **T2 applications should be made between flag leaf stage up to the end of heading (BBCH 39 - 59)** Typically a good indicator is when the first awns / spikes emerge from the leaf sheath

- Apply preventively or at the very first signs of disease
- Do not make more than two applications of products with SDHI mode of action in the same growing season

- **Post-harvest interval** Barley: 45 days

Spray Volumes:

- **Ground application:** 100 – 300 L water/ha
- **Aerial application:** 30 - 40 L water/ha

CROP	DISEASE	DOSAGE (L/Ha)
MAIZE	Eye Spot <i>(Aureobasidium zeae)</i> Grey Leaf Spot <i>(Cercospora zeae-maydis)</i> Northern Corn Leaf Blight <i>(Setosphaeria turcica)</i> Northern corn leaf spot <i>(Cochliobolus carbonum)</i> Rusts <i>(Puccinia spp.)</i> Southern corn leaf blight <i>(Cochliobolus heterostrophus)</i> Suppression of Diplodia ear rot <i>(Diplodia maydis)</i>	Ground and aerial application 0.8 - 1.0 L/ha
SWEETCORN	Eye Spot <i>(Aureobasidium zeae)</i> Grey Leaf Spot <i>(Cercospora zeae-maydis)</i> Northern Corn Leaf Blight <i>(Setosphaeria turcica)</i> Northern corn leaf spot <i>(Cochliobolus carbonum)</i> Rusts <i>(Puccinia spp.)</i> Southern corn leaf blight <i>(Cochliobolus heterostrophus)</i> Yellow leaf blight <i>(Phyllosticta maydis)</i>	Ground and aerial application 0.8 - 1.0 L/ha
SOYBEANS	Asian Soybean rust <i>(Phakopsora pachyrhizi)</i> Aerial web blight <i>(Rhizoctonia solani)</i> Brown spot <i>(Septoria glycines)</i> Frogeye leaf spot <i>(Cercospora sojina)</i> Red Leaf blotch <i>(Pyrenochaeta glycines)</i> Target spot <i>(Corynespora cassiicola)</i>	Ground and aerial application 0.8 - 1.0 L/ha

REMARKS

- Make 1 to 2 applications at 21-28 days interval starting from growth stage V4-V8 (4-8 leaves with visible leaf collars emerged)
- Apply preventively or at the very first signs of disease
- Do not make more than two applications of products with SDHI mode of action in the same growing season

Post-harvest interval, Maize: 30 days; Sweetcorn: 14 days

Spray Volumes:

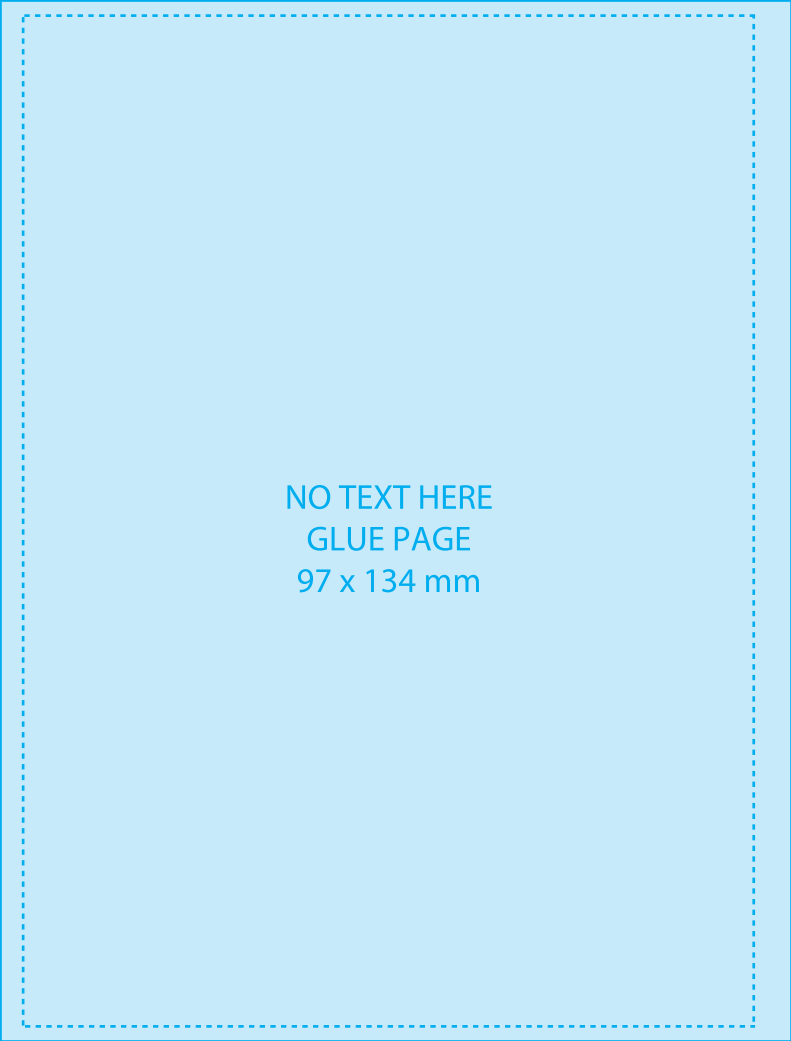
- **Ground application:** 100 – 300 L water/ha
- **Aerial application:** 30 - 40 L water/ha

Make 1 to 2 applications at 14-21 days interval starting from R1 (beginning bloom) or R3 (beginning pod development) growth stages
Apply preventively or at the very first signs of disease
Do not make more than two applications of products with SDHI mode of action in the same growing season

Post-harvest interval, Soybeans: 14 days

Spray Volumes:

- **Ground application:** 100 – 300 L water/ha
- **Aerial application:** 30 - 40 L water/ha



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