



# Axial® 050EC

**syngenta.**

**KEEP LOCKED UP OUT OF REACH OF CHILDREN.**

**HARMFUL IF INHALED**

**Before opening the container, read the safety advice.**

**Shelf-Life:**

At least 2 years from date of manufacturing, in original unopened containers stored in a cool dry well ventilated place.

**Emergency Call Number:**

Swiss Toxicological Information Centre,  
(24 h) +41 44 251 51 51

**Manufactured by:**

Syngenta Crop Protection AG, Basel, Switzerland

**Distributor:**

Syngenta Zambia Ltd.  
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Tel.: +260 211 244 766



# 5 Litres

Product names marked ® or TM, the ALLIANCE FRAME  
the SYNGENTA Logo and the PURPOSE ICON  
are Trademarks of a Syngenta Group Company



**WARNING**



## **PRECAUTIONS**

- Handle with care; avoid splashing/contact; poisonous by swallowing, inhalation and contact with the skin.
- Wear protective clothing i.e. gloves, overalls and rubber boots.
- DO NOT eat, drink or smoke while applying this product.
- Remove protective clothing on completion of spraying and wash hands and face thoroughly with soap and water.
- **DANGEROUS TO FISH.**
- **KEEP OUT OF REACH OF CHILDREN.**
- **KEEP APART FROM FOOD, FOODSTUFFS,** seeds and fertilisers.
- Store in original container in a cool, dry place and **KEEP UNDER LOCK AND KEY.**
- Use only on the crops for which this product is registered.
- Avoid drift to the adjacent crops or soil.
- After use, wash out sprayer thoroughly and dispose of washings in a safe place, e.g. on waste ground. Do not contaminate water supplies.
- Bury empty container.
- DO NOT use for any other purpose.

## **FIRST AID**

If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After each day's use wash gloves, face shield or goggles and contaminated clothing. Wash hands after use.

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

## **NOTE TO PHYSICIAN**

No specific antidote. Apply symptomatic therapy.

<b>Composition</b>	<b>g/Litre</b>
Pinoxaden .....	50 g
Inert ingredients .....	to 1 litre

**An emulsifiable concentrate herbicide for the selective post-emergence control of annual grasses in wheat and barley.**

## **WARNINGS**

- Poisonous if swallowed.
- Avoid skin contact.
- Toxic to fish.
- Store in a cool place.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

## **PRECAUTIONS**

- Do not breathe vapour or spray mist.
- Avoid any contact of skin, eyes or clothing with concentrate or spray mixture.
- Wash with soap and water after use.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while handling the product, wash hands and face before doing so.
- Avoid drift of spray onto other crops especially oats, grazing, rivers, dams and areas not under treatment.
- Spray strictly with the wind to prevent prolonged or repeated exposure to the spray mist.
- Wear protective clothing, i.e. for preparation: impermeable gloves, overalls, and eyes/face protection, for application: overalls, hat or cap, and solid footwear.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Thoroughly wash protective equipment and clothing after use.
- Rinse the empty container three times with a volume of clean water equal to a minimum of 10% of the container. Add the rinsate to the contents of the spray tank before destroying the container.
- Do not use the empty container for any other purpose.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

## **FIRST AID**

If poisoning is suspected, stop work immediately and call a physician. Show label to the physician. In case of contact with skin, remove contaminated clothing, wash affected body parts immediately with plenty of water and

soap. Rinse splashes from eyes with abundant fresh and clean water for several minutes. If inhaled move to clean air. If swallowed, repeatedly administer medicinal charcoal in plenty of water. Seek medical advice immediately if a large volume of concentrate was ingested.

**Note:** Never give anything by mouth to an unconscious patient and never induce vomiting.

#### **NOTE TO PHYSICIAN**

There is no specific antidote available. Treat symptomatically.

#### **WARRANTY**

Before applying the product read the attached package leaflet.

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

Resistant strains of weeds may develop or may exist against which herbicides 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 weeds. All recommendations for use of the herbicide are based on the current state of the manufacturer's knowledge. Since the manufacturer cannot control the farmers' choice of herbicides, its application, use, storage or processing of the product or other agronomic practices, the manufacturer cannot assume responsibility therefor.

#### **MODE OF ACTIVITY**

Axial® 050 EC is taken up through the leaves of grass weeds. Active growth of susceptible grasses ceases within 48 hours after application. Symptoms are observed within one to three weeks depending on environmental conditions and species involved. Decay of nodes and growing points is visible, with young leaves showing chlorosis followed by necrosis.

The safener cloquintocet mexyl selectively prevents phytotoxic effects in wheat and barley by considerably accelerating the metabolism of the active ingredient.

#### **USE RESTRICTIONS**

**Do not apply Axial® 050 EC:**

- to wheat fields where confirmed or suspected herbicide resistance against Group A exist;
- to weeds under drought or nutrient stress conditions;
- on waterlogged soils;

- to weeds under cold stress;
- on oats.
- Do not use Axial® 050 EC in a tank mixture with any of the phenoxy-carboxylic acids e.g. 2,4-D, MCPA or dicamba containing products as this could lead to antagonism.
- Do not use Axial® 050 EC over or allow spray drift to come in contact with neighbouring oats fields.
- Axial® 050 EC does not control volunteer maize.

## **MINIMUM RECROPPING INTERVALS AND CROP ROTATION GUIDELINES**

Axial® 050 EC is quickly degraded in the soil and has little or no soil activity. There are no re-cropping restrictions.

## **SPECTRUM OF ACTIVITY**

The following weed species are normally controlled by Axial® 050 EC at the dosage rates indicated below:

*Avena spp. - wild oats; Lolium species - ryegrass species; Phalaris minor - little seeded canary grass; Phalaris minor / paradoxa; Setaria glauca.*

Resistance to the pyridinyl-oxyphenoxy group of herbicides may exist in some of these populations. Do not apply Axial® 050 EC to these populations.

## **DIRECTIONS FOR USE**

### **COMPATIBILITY**

The compatibility of Axial® 050 EC with other products may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Syngenta and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

Axial® 050 EC can be mixed with bromoxynil, ioxynil, fluroxypyr and most common sulfonylurea type products to control both grasses and dicot weeds. Some degree of antagonism of grass control on certain grass species can be expected when mixed with certain hormone based herbicides, containing 2,4-D or dicamba.

Axial® 050 EC is compatible with cereal fungicides as well as with plant growth regulators such as trinexapac. Compatibility with specific local dicot herbicide and other mixing products has to be checked on a case-by-case basis.

## **MIXING INSTRUCTIONS**

Half-fill the spray tank with water, and pour the required amount of

Axial® 050 EC into the spray tank while the water is being stirred.

Top up with water to the final volume required.

When Axial® 050 EC is tank mixed with other herbicides, insecticides and fungicides these must be added first, well mixed and in suspension before Axial® 050 EC is added.

**Ensure thorough agitation of the mixture in the tank during mixing and spraying.**

**Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.**

## **APPLICATION TECHNIQUE**

Apply Axial® 050 EC only to young actively growing weeds. It is essential that all parts of the weeds are thoroughly covered by the herbicide spray to ensure effective control. Axial® 050 EC should be applied prior to crop growth reaching a density, which would inhibit effective coverage of the weeds. In order to achieve this the following application instructions must be adhered to:

### **Tractor application**

Axial® 050 EC alone, or in mixtures with other herbicides may be applied with any medium or high volume sprayer equipped with an efficient agitation mechanism, provided that adequate coverage and even distribution is obtained. Best results are obtained using flat fan-type spray nozzles. Ensure thorough coverage of the weeds. For optimal control a water volume of at least 200 l/ha should be used.

**Important:** Weeds that are overshadowed by other weeds or the crop may result in variable control due to insufficient coverage. When timing the application of Axial® 050 EC this aspect must be considered.

### Dosage rates of Axial® 050 EC on wheat and barley:

Crop	Target Pathogens	Weed Stage	Application Rate	Pre-harvest Interval
Wheat & Barley	<b>Wild oats (<i>Avena fatua</i>)</b> <b>Little seeded canary grass (<i>Phalaris minor</i>)</b> <b>Italian ryegrass (<i>Lolium multiflorum</i>)</b> Setaria glauca	2-4 leaf	900 ml/ha	28 Days

#### Remarks:

- Axial® 050 EC has no soil residual action. Applications of Axial® 050 EC under adverse conditions might result in regrowth.
- A delay in application of Axial® 050 EC beyond the 4 leaf weed stage may result in severe yield losses due to weed competition.
- Inferior control of the target weeds may be expected when the weed stage exceeds the 4 leaf stage at the time of application.
- Axial® 050 EC should only be applied once in a given season on a given crop. If necessary under certain conditions Topik® can be applied not earlier than 21 days later.
- An Axial® 050 EC application could be followed by a single SU application and only for broadleaf weed control.
- The use of SU's for grass control during the same crop cycle and Axial® 050 EC is not recommended.

#### GENERAL

- Weeds which have not germinated at the time of application will not be controlled.
- Apply only during favourable climatic conditions when the weeds are actively growing.
- Axial® 050 EC rapidly inhibits growth of susceptible weeds. However, visible symptoms of dying weeds may not be noticeable for 1 to 3 weeks after application depending on growing conditions and weed susceptibility.
- Axial® 050 EC is selective in wheat and barley and can be applied to any cultivar.

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