

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



## AKOPIC 240 EC Herbicide

**ACTIVE CONSTITUENTS:**  
240 g/L CLODINAFOP-PROPARGYL  
60 g/L CLOQUINTOCET-MEXYL  
**SOLVENT:**  
570 g/L LIQUID HYDROCARBONS

GROUP	<b>A</b>	HERBICIDE
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For control of Wild Oats, Paradoxa Grass (Annual Phalaris), Canary Grass and Annual Ryegrass in Wheat. Highly active on Wild Oats and can be mixed with many broadleaf herbicides as specified in the Directions for Use table

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING**

Contents: 1 [5, 10, 20] Litres

**AAKO AUSTRALIA PTY LTD**  
ACN 122 279 109  
Suite 1, Level 4, Building B, 207 Pacific Highway  
St Leonards NSW 2065 Australia  
Tel: (02) 9431 7800 Fax: (02) 9431 7700

### STORAGE AND DISPOSAL (1 L)

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

### STORAGE AND DISPOSAL (5, 10L, 20L)

Store in the closed, original container in a well-ventilated area as cool as possible, out of direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or pressure rinse container for disposal. Add rinsings to spray tank. Dispose of the rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. **For refillable containers**, empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

### SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid inhaling spray mist. Avoid contact with eyes and skin. When opening the container, preparing spray and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length butyl rubber gloves and face shield or goggles. If product gets on skin, immediately wash area with soap and water. If product gets in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing. .

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If in eyes, wash out immediately with water.

### MSDS

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for AKOPIC is available from Aako Australia Pty Ltd on request. Call Customer Service on (02) 9431 7800.

### CONDITIONS OF SALE:

The use of Akopic 240 EC Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Aako Australia Pty Ltd., regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Aako Australia Pty Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

**IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE  
FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY  
PHONE 1800 024 973 TOLL FREE – ALL HOURS – AUSTRALIA WIDE**

Batch No:

Date of Manufacture:

APVMA Approval No:

63087/1/0508

63087/5/0508

63087/10/0508

63087/20/0508



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**IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ATTACHED TO THE CONTAINER.  
READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.**

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## DIRECTIONS FOR USE

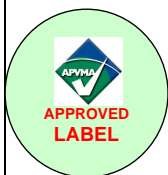
**Restraints:** DO NOT apply if rainfall is expected within 2 hours.

DO NOT apply to weeds or crops which are under stress. For example, due to very dry, very wet, frosty or diseased conditions, nutrient deficiency or high insect pressure.

DO NOT apply to weeds or crops immediately after a prolonged period of frosts.

DO NOT apply under poor growing conditions.

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS	
Wheat 2 leaf to late jointing (Zadocks 12 – 37)	Wild Oats	Qld, Nthn NSW only	65 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water.	2 to 5 leaf	<b>NOT TO BE TANK MIXED WITH BROADLEAF HERBICIDES AT THESE RATES.</b> Apply at 85 mL/ha when weeds are not actively growing. Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes). <b>Cold water:</b> Under cold water conditions (100C or less), use Hasten instead of D-C-Trate or Uptake.	
			85 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water.	2 leaf to mid tillering		
			85 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water.	2 to 5 leaf		
			125 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water.	2 leaf to mid tillering		
	Paradoxa Grass ( <i>Phalaris paradoxa</i> ), Canary Grass ( <i>Phalaris minor</i> )	Qld, NSW, Vic, SA only	Qld, NSW, Vic, SA, WA only	65 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water. Or 100 mL of a 100% non-ionic surfactant per 100 L of water.	2 to 5 leaf	<b>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES.</b> Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AKOPIC with certain broadleaf weed herbicides some reduction in grass weed control may occur. Unless otherwise specified always use D-C-Trate, Uptake or Hasten when tank mixing broadleaf herbicides. Apply at 125 mL/ha when weeds are not actively growing. Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes). <b>Cold water:</b> Under cold water conditions (100C or less), use Hasten instead of D-C-Trate or Uptake.
				85 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water. Or 100 mL of a 100% non-ionic surfactant per 100 L of water.	2 leaf to mid tillering	
				85 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 3 leaf	
				125 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 5 leaf	



**Cold water:** Under cold water conditions (100C or

			160 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 leaf to early tillering	less), use Hasten instead of D-C-Trate or Uptake.
	Annual Ryegrass	NSW, Vic, SA, WA only	160 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 4 leaf	<b>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES.</b> Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AKOPIC with certain broadleaf weed herbicides some reduction in grass weed control may occur. Apply at 210 mL/ha when weeds are not actively growing. Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes). <b>Cold water:</b> Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.
			210 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 leaf to early tillering	

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

#### WITHHOLDING PERIODS

**HARVESTED GRAIN: WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED.**

**ANIMAL GRAZING/FEEDING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.**

#### GENERAL INSTRUCTIONS

AKOPIC 240 EC Herbicide should be applied only when weeds are actively growing.

#### RESISTANT WEEDS WARNING

<b>GROUP</b>	<b>A</b>	<b>HERBICIDE</b>
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AKOPIC 240EC Herbicide is a member of the aryloxyphenoxypropionate (“fop”) group of herbicides. AKOPIC has the inhibition of fat (lipid) synthesis, (or inhibitors of acetyl CoA carboxylase) mode of action. For weed resistance management AKOPIC is a Group A herbicide. Some naturally-occurring weed biotypes resistant to AKOPIC and other Group A herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by AKOPIC or other Group A herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Aako Australia Pty. Ltd. accepts no liability for any losses that may result from the failure of AKOPIC to control resistant weeds.

**Weed biotypes resistant to diclofop-methyl and other “grass specific” herbicides can also often be resistant to AKOPIC 240 EC Herbicide. Before using AKOPIC on a population resistant to or suspected to be resistant to “grass specific” herbicides, have a resistance test conducted to ensure that it is susceptible to AKOPIC.**

Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be made to prevent seed set of the surviving weeds. DO NOT make more than one application of a Group A herbicide with the inhibition of fat (lipid) synthesis (or inhibitors of acetyl CoA carboxylase) mode of action to a crop in the same season. If the user suspects that the target weed population is resistant to herbicides with this mode of action, AKOPIC or other Group A herbicides should not be used. Strategies to minimise the risk of herbicide resistance are available. The above recommendations should be incorporated into an Integrated Weed Management (IWM) Program. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local representative for details.

#### MIXING

Fill the spray tank to one quarter full. Then add AKOPIC 240 EC Herbicide while adding water to make up the final spray volume. Pour AKOPIC into the stream of incoming water. Good agitation at the time AKOPIC is added to the tank will ensure good mixing. Add the required amount of Amplify®, D-C-Trate\*, Hasten\*, Hotwire® or Uptake\* oil just before the tank is full of water and with the agitators in motion.

## MIXING ORDER

Some products may react with other products if they are not mixed in the correct order. The general mixing order of products should be:

1. Water conditioners or buffers
2. Water dispersible granules (WG)
3. Wettable powders (WP)
4. Flowable or suspension concentrates (SC)
5. Emulsifiable concentrates (EC) (AKOPIC)
6. Water based or soluble concentrates
7. Oils and wetters – eg Hasten, BS 1000



It is important to ensure that each individual component of the tank mix is fully dissolved and in solution before the next product is added to the tank mix, otherwise mixing problems may occur.

## MINIMUM OIL VOLUMES

The minimum amount of oil to be applied with AKOPIC 240 EC Herbicide will depend on the type of oil used. When applying AKOPIC using low water volumes, DO NOT use less than the minimum oil volumes specified below:

- For oils normally applied at 1% v/v (eg D-C-Trate), DO NOT apply less than 500 mL oil/ha.
- For oils normally applied at 0.5% v/v (eg Uptake, Hasten, Amplify, Hotwire), DO NOT apply less than 250 mL oil/ha.

## CLEANING SPRAY EQUIPMENT

After using AKOPIC 240 EC Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean any filters in the tank, pump, line and nozzles.

**To rinse:** After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

**To decontaminate:** Before spraying cereals (except wheat), maize, sorghum or other sensitive crops, wash the tank and rinse the system as above. Drain and repeat the rinsing procedure. Then quarter fill the tank and add a liquid alkali detergent (eg SURF\*, OMO\*, DRIVE\*) at 0.5 L/100 L of water and circulate throughout the system for at least fifteen minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain. Dispose of all water used for cleaning in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots.

## APPLICATION

**Ground Application:** Boom spray with flat fan nozzles. Ensure good spray coverage is obtained. Apply using 50 to 110 L water per hectare. The ideal droplet size is 200 to 300 microns VMD.

**Aircraft Application:** For best results use 20 to 30 L water per hectare and spray at 2 m to 3 m above the crop. Ideal droplet size is 250 to 350 microns VMD. For rotary atomizers (micronairs) this can be achieved using blade angles of 550 to 650. Where booms and nozzles are attached, flat fan nozzles with a spray angle of 650 to 900 should be used. Avoid applying AKOPIC 240 EC Herbicide if wind speeds are greater than 5 m/s. If spraying in calm conditions use larger droplets and reduce flying height.

## COMPATIBILITY

When AKOPIC 240 EC Herbicide is applied with compatible herbicides always use a recommended oil. Only use a 100% non-ionic surfactant when mixing with diflufenican based products. Grass Herbicides: AKOPIC 240 EC Herbicide is compatible with diclofop methyl, eg Rhino®.

**Broadleaf Herbicides:** Some broadleaf weed herbicides are incompatible with AKOPIC because they reduce the effectiveness of AKOPIC or because in mixture they may cause crop yellowing. For the latest information on compatibility of AKOPIC with broadleaf herbicides refer to your local reseller, Territory Manager or Aako Australia Pty Ltd. Call Customer Service on (02) 9431 7800.

**Incompatible:** The following herbicides are known to be incompatible with AKOPIC: Diuron, LOGRAN\*, Barrel\* (bromoxynil + dicamba + MCPA) and all 2,4-D formulations. Herbicides which are incompatible with AKOPIC must be applied separately. In this situation, apply AKOPIC first and then allow at least 10 days between its application and application of the broadleaf weed herbicide.

**Insecticides:** AKOPIC is compatible with Suprathion® 400 EC.

## PRECAUTIONS

**Re-entry Period:** DO NOT enter treated areas without protective clothing until the spray has dried.



## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply on or near shrubs, trees, lawns or crops other than wheat. DO NOT drain or flush equipment on or near desirable trees or other plants, where their roots may extend, or in situations where by movement of soil or by seepage absorption of the herbicide may occur. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. DO NOT allow spray to drift onto adjacent fallow land.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply to irrigation drains or channels. DO NOT contaminate dams, streams, creeks and rivers with the chemical, spray mixture, used containers or equipment washings.

## STORAGE AND DISPOSAL (1 L)

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