

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

AGVANTAGE CLODINAPOP 240 EC HERBICIDE

ACTIVE CONSTITUENTS: 240 g/L CLODINAPOP-PROPARGYL
60 g/L CLOQUINTOCET-MEXYL

SOLVENTS: 507 g/L LIQUID HYDROCARBONS
100 g/L N-METHYL-PYRROLIDONE

GROUP A HERBICIDE



RLP
Approved



For the 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 per the Directions for Use Table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS
PRODUCT**

Contents: 1 L, 5 L

Distributed by: agVantage Wholesale Group
Cnr Cross Keys & Pt Wakefield Rd
Cavan SA 5094
Tel: 02 9889 5400

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse or pressure rinse container for disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical 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 point 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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers and product.

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 131 126. If swallowed do NOT induce vomiting. Give a glass of water. If in eyes, hold eyes open. Flood with water for at least 15 minutes and see a doctor.

SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet (SDS) which is available from the supplier.

CONDITIONS OF SALE

agVantage Wholesale Group warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. agVantage Wholesale Group gives only those warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. agVantage Wholesale Group declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. agVantage Wholesale Group is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

APVMA Approval No: 69998/62260

Batch No:

Date of Manufacture:

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS AUSTRALIA WIDE
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For the 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 per the Directions for Use Table

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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	Nthn NSW, Qld only	65 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake oil per 100 L of water	1 to 5 leaf	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT THESE RATES. Apply at 85 mL/ha when weeds are not actively growing.
			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.	Where low water volumes are used. DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes). Cold water: Under cold water conditions (10°C 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 to 5 leaf.	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGVANTAGE CLODINAFOP 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur.
			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.	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). Cold water: Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.
	Sthn 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.	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGVANTAGE CLODINAFOP 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur.	
			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.	Refer to compatibility chart for specific rates for tank mixes. Unless otherwise specified always use D-C-Trate, Uptake or Hasten when tank mixing broadleaf herbicides. 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). Cold water: Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.

DIRECTIONS FOR USE – continued

Crop	Weeds Controlled	State	Rate per hectare	Weed Growth Stage	Critical Comments
	Paradoxa Grass (<i>Phalaris paradoxa</i>)	QLD, NSW, VIC, SA only	85 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 3 leaf	<p>NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT BELOW 160 mL/ha.</p> <p>Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGVANTAGE CLODINAFOP 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur.</p> <p>Apply at 160 mL/ha when weeds are not actively growing.</p> <p>Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes).</p> <p>Cold water: Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.</p>
	Canary Grass (<i>Phalaris minor</i>)		125 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 5 leaf	
			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	
Wheat 2 leaf to late jointing (Zadocks 12 – 37)	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	<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES.</p> <p>Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGVANTAGE CLODINAFOP 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur.</p> <p>Apply at 210 mL/ha when weeds are not actively growing.</p> <p>Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes).</p> <p>Cold water: Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.</p>
			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 AUTHORIZED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIOD

Harvested grain

WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED

Animal grazing/feeding

DO NOT GRAZE OR GUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION

GENERAL INSTRUCTIONS

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

Resistant Weeds Warning

GROUP	A	HERBICIDE
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AGVANTAGE CLODINAFOP 240 EC Herbicide is a member of the aryloxyphenoxypropionate ("fop") group of herbicides. AGVANTAGE CLODINAFOP 240 EC has the inhibition of fat (lipid) synthesis, (or inhibitors of acetyl CoA carboxylase) mode of action. For weed resistance management AGVANTAGE CLODINAFOP 240 EC is a Group A herbicide.

Some naturally-occurring weed biotypes resistant to AGVANTAGE CLODINAFOP 240 EC 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 AGVANTAGE CLODINAFOP 240 EC or other Group A herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, agVantage accepts no liability for any losses that may result from the failure of AGVANTAGE CLODINAFOP 240 EC to control resistant weeds.

Weed biotypes resistant to diclofop-methyl and other "grass specific" herbicides can also often be resistant to AGVANTAGE CLODINAFOP 240 EC. Before using AGVANTAGE CLODINAFOP 240 EC 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 AGVANTAGE CLODINAFOP 240 EC.

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, AGVANTAGE CLODINAFOP 240 EC or other Group A herbicides should not be used.

Strategies to minimize 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 agVantage representative for details.

Mixing

Fill the spray tank to one quarter full. Then add AGVANTAGE CLODINAFOP 240 EC while adding water to make up the final spray volume. Pour AGVANTAGE CLODINAFOP 240 EC into the stream of incoming water. Good agitation at the time AGVANTAGE CLODINAFOP 240 EC is added to the tank will ensure good mixing. Add the required amount of D-C-Trate*, Hasten*, 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 –

- I. water conditioners or buffers
- II. water dispersable granules (WG)
- III. wettable powders (WP)
- IV. flowable or suspension concentrates (SC)
- V. emulsifiable concentrates (EC) (AGVANTAGE CLODINAFOP 240 EC)
- VI. water based or soluble concentrates
- VII. 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 AGVANTAGE CLODINAFOP 240 EC will depend on the type of oil used. When applying AGVANTAGE CLODINAFOP 240 EC 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), DO NOT apply less than 250 mL oil/ha.

Cleaning Spray Equipment

After using AGVANTAGE CLODINAFOP 240 EC, 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 55° to 65°. Where booms and nozzles are attached, flat fan nozzles with a spray angle of 65° to 90° should be used.

Avoid applying AGVANTAGE CLODINAFOP 240 EC if wind speeds are greater than 5 m/s. If spraying in calm conditions use larger droplets and reduce flying height.

Compatibility

When AGVANTAGE CLODINAFOP 240 EC 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: AGVANTAGE CLODINAFOP 240 EC is compatible with diclofop methyl, eg Genfarm Diclofop-Methyl 375 Selective Herbicide.

Broadleaf Herbicides: Some broadleaf weed herbicides are incompatible with AGVANTAGE CLODINAFOP 240 EC because they reduce the effectiveness of AGVANTAGE CLODINAFOP 240 EC or because in mixture they may cause crop yellowing. For the latest information on compatibility of AGVANTAGE CLODINAFOP 240 EC with broadleaf herbicides refer to your reseller or AgVantage.

Incompatible:

The following herbicides are known to be incompatible with AGVANTAGE CLODINAFOP 240 EC:

Diuron, Triasulfuron, bromoxynil/dicamba/MCPA) and all 2,4-D formulations.

Herbicides which are incompatible with AGVANTAGE CLODINAFOP 240 EC must be applied separately. In this situation, apply AGVANTAGE CLODINAFOP 240 EC first and then allow at least 10 days between its application and application of the broadleaf weed herbicide.

Insecticides: AGVANTAGE CLODINAFOP 240 EC is compatible with methidathion.

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

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse or pressure rinse container for disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical 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 point or similar container management program site. The cap should not be replaced but may be taken separately.

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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 131 126. . If swallowed do NOT induce vomiting. Give a glass of water. If in eyes, hold eyes open. Flood with water for at least 15 minutes and see a doctor.

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In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS AUSTRALIA WIDE
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