

THIS LEAFLET IS @ 100% Finished Leaflet Size (single page): 95mm wide x 135mm deep
Open Spread (double page): 190mm wide x 135mm deep

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

CHOICE
CLODINAFOP
240EC HERBICIDE

ACTIVE CONSTITUENTS: 240 g/L CLODINAFOP-PROPARGYL
60 g/L CLOQUINTOCET-MEXYL
SOLVENTS: 575 g/L LIQUID HYDROCARBONS
100 g/L N-METHYL-2-PYRROLIDONE

GROUP A HERBICIDE

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 THIS LEAFLET BEFORE USING THIS PRODUCT
APVMA Approval No: 65604_51408



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DIRECTIONS FOR USE:

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.

RESTRAINTS:

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	2 to 5 leaf	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT THESE RATES. Apply at 65 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.
			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.	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing CHOICE CLODINAPOP 240EC 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). Cold water: Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.

(CONTINUED)					CRITICAL COMMENTS	
CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE		
Wheat 2 leaf to late jointing (Zadoks 12 - 37) (continued)	Wild Oats (continued)	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	<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing CHOICE CL ODINAFOP 240EC with certain broadleaf weed herbicides some reduction in grass weed control may occur. 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.</p>	
			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.		
	Paradox Grass (<i>Phalaris paradox</i>) Canary Grass (<i>Phalaris minor</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. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing CHOICE CL ODINAFOP 240EC with certain broadleaf weed herbicides some reduction in grass weed control may occur. Apply at 160 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.</p>	
			125 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 5 leaf		

(CONTINUED)					
CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadocks 12 - 37) (continued)	Paradoxia Grass (<i>Phalaris paradoxia</i>) Canary Grass (<i>Phalaris minor</i>) (continued)	QLD, NSW, VIC, SA only	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	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT BELOW 160 mL/ha. (Continued from Page 3)
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. 210 mL + 1 L of D-C-Trate oil or 500 mL Hasten or Uptake per 100 L of water.	2 to 4 leaf 2 leaf to early tillering	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing CHOICE CLODINAPOP 240EC 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). Cold water: Under cold water conditions (10°C or less), use Hasten instead of D-C-Trate or Uptake.

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

WITHHOLDING PERIOD:

Harvested grain:

Animal grazing/feeding:

WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED.

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

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

GROUP A HERBICIDE

RESISTANT WEEDS

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

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

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

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, CHOICE CLODINAFOP 240EC 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 Grow Choice representative for details.

MIXING

Fill the spray tank to one quarter full. Then add Choice Clodinafop 240EC while adding water to make up the final spray volume. Pour Choice Clodinafop 240EC into the stream of incoming water. Good agitation at the time Choice Clodinafop 240EC 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 dispersible granules (WG)
- III. wettable powders (WP)
- IV. flowable or suspension concentrates (SC)
- V. emulsifiable concentrates (EC) (Choice Clodinafop 240EC)
- 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 Choice Clodinafop 240EC will depend on the type of oil used. When applying Choice Clodinafop 240EC 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 Choice Clodinafop 240EC, 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 Choice Clodinafop 240EC if wind speeds are greater than 5 m/s. If spraying in calm conditions use larger droplets and reduce flying height.

COMPATIBILITY

When Choice Clodinafop 240EC 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: Choice Clodinafop 240EC is compatible with diclofop methyl, eg Ryedown Herbicide.

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

INCOMPATIBILITY

The following herbicides are known to be incompatible with Choice Clodinafop 240EC: Diuron, Triasulfuron, Barrel* (bromoxynil + dicamba + MCPA) and all 2,4-D formulations.

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

Insecticides: Choice Clodinafop 240EC 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 or preferably pressure rinse containers before disposal. Dispose of 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 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 bury empty containers in a local authority landfill. If no landfill is available, bury the empty 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.

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.

MATERIAL SAFETY DATA SHEET

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

NOTICE TO BUYER

Grow Choice Pty. Ltd. will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose or in any way contrary to label instructions.

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**In a Transport Emergency
Dial 000
Police or Fire Brigade**