

Product Name: Point Clodinafop 240 EC Herbicide
APVMA Approval No: 93764/140405

Label Name:	Point Clodinafop 240 EC Herbicide
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENTS: 240 g/L CLODINAFOPO-PROPARGYL 60 g/L CLOQUINTOCET-MEXYL SOLVENTS: 507 g/L LIQUID HYDROCARBONS 100 g/L N-METHYL-2-PYRROLIDONE
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Mode of Action:	GROUP 1 HERBICIDE
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Statement of Claims:	Controls 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
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Net Contents:	CONTENTS: 1L - 20 L
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Restraints:	<p>Restraints:</p> <p>DO NOT apply if rainfall is expected within 2 hours.</p> <p>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.</p> <p>DO NOT apply to weeds or crops immediately after a prolonged period of frosts.</p> <p>DO NOT apply under poor growing conditions.</p> <p>SPRAY DRIFT RESTRAINTS</p> <p>Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift</p> <p>DO NOT allow bystanders to come into contact with the spray cloud.</p> <p>DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever</p>
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possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
DO NOT apply unless the wind speed is between 3 and 18 kilometres per hour at the application site during the time of application.
DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

Directions for Use: This section contains file attachment.

Other Limitations:

Withholding Periods:
WITHHOLDING PERIOD
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

Trade Advice:

General Instructions:
GENERAL INSTRUCTIONS
Point Clodinafop 240 EC Herbicide should be applied only when weeds are actively growing.

MIXING
Fill the spray tank to one quarter full. Then add Point Clodinafop 240 EC while adding water to make up the final spray volume. Pour Point Clodinafop 240 EC into the stream of incoming water. Good agitation at the time Point Clodinafop 240 EC is added to the tank will ensure good mixing. Add the required amount of 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:
1. Water conditioners or buffers
2. Water dispersable granules (WG)
3. Wettable powders (WP)
4. Flowable or suspension concentrates (SC)
5. Emulsifiable concentrates (EC) (Point Clodinafop 240 EC)
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 Point Clodinafop 240 EC will depend on the type of oil used. When applying Point 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, 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 Point 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. A MEDIUM-COASE spray is ideal.

Aircraft Application: For best results use 20 to 30 L water per hectare and spray at 2 m to 3 m above the crop. A MEDIUM-COASE spray is ideal. 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 Point Clodinafop 240 EC if wind speeds are greater than 18 km/h. If spraying in calm conditions use larger droplets and reduce flying height.

COMPATIBILITY

When Point 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: Point Clodinafop 240 EC is compatible with diclofop methyl.

Broadleaf Herbicides: Some broadleaf weed herbicides are incompatible with Point Clodinafop 240 EC because they reduce the effectiveness of Point Clodinafop 240 EC or because in mixture they may cause crop yellowing. For the latest information on compatibility of Point Clodinafop 240 EC with broadleaf herbicides refer to the clodinafop-propargyl Compatibility Chart available from your reseller.

Incompatible: The following herbicides are known to be incompatible with Point Clodinafop 240 EC: Diuron, triasulfuron, bromoxynil + dicamba + MCPA formulations and all 2,4-D formulations.

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

Insecticides: Point Clodinafop 240 EC is compatible with methidathion.

Resistance Warning:	RESISTANT WEEDS WARNING GROUP 1 HERBICIDE <p>Point Clodinafop 240 EC Herbicide is a member of the aryloxyphenoxypropionat ("fop") group of herbicides. Point Clodinafop 240 EC Herbicide has the inhibition of fat (lipid) synthesis, (or inhibitors of acetyl CoA carboxylase) mode of action. For weed resistance management Point Clodinafop 240 EC Herbicide is a Group 1 herbicide. Some naturally occurring weed biotypes resistant to Point Clodinafop 240 EC Herbicide and other Group</p>
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1 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 Point Clodinafop 240 EC Herbicide or other Group 1 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Nagarjuna Agrichem (Australia) Pty Ltd accepts no liability for any losses that may result from the failure of Point Clodinafop 240 EC Herbicide to control resistant weeds.

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

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. Efforts should be made to prevent seed set of the surviving weeds.

DO NOT make more than one application of a Group 1 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, Point Clodinafop 240 EC or other Group 1 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 or local Department of Agriculture or Primary Industries.

Precautions:	<p>PRECAUTIONS</p> <p>Re-entry Period: DO NOT enter treated areas without protective clothing until the spray has dried.</p>
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Protections:	<p>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.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT apply to irrigation drains or channels. DO NOT contaminate dams, streams, rivers or watercourses with the chemical or used containers.</p>
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Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>Triple-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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation</p>
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and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Safety Directions:

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 PVC 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 Instructions:

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia: 131126. If swallowed, do NOT induce vomiting. If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.

First Aid Warnings:

DIRECTIONS FOR USE

CROP	WEEDS CONTROLLED	STATE	RATE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadoks 12-37)	Wild Oats	Qld, Nthn NSW only	65 mL + 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 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 Uptake.
			85 mL + 500 mL of Hasten or Uptake oil per 100 L of water.	2 leaf to mid tillering	
			85 mL + 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.
			125 mL+ 500 mL of Hasten or Uptake oil per 100 L of water.	2 leaf to mid tillering	When mixing Point Clodinafop 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur. Unless otherwise specified always use 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 Uptake.
			65 mL+ 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 Point Clodinafop 240 EC Herbicide with certain broadleaf weed herbicides some reduction in grass weed control may occur.
	Sthn NSW, Vic, SA, WA only		85 mL + 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 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 Uptake.
Wheat 2 leaf to late jointing (Zadocks 12-37)	Paradoxa Grass (<i>Phalaris paradoxa</i>), Canary Grass (<i>Phalaris minor</i>)	Qld, NSW, Vic, SA only	85 mL + 500 mL of Hasten or Uptake per 100 L of water	2 to 3 leaf	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 Point Clodinafop 240 EC Herbicide 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 specified (See Minimum Oil Volumes). Cold water: Under cold water (10°C or less), use Hasten instead of Uptake.
			125 mL + 500 mL of Hasten or Uptake per 100 L of water	2 to 5 leaf	
			160 mL + 500 mL of Hasten or Uptake per 100 L of water	2 leaf to early tillering	
Annual Ryegrass		NSW, Vic, SA, WA only	160 mL + 500 mL of Hasten or Uptake per 100 L of water	2 to 4 leaf	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing Point Clodinafop 240 EC 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 specified (See Minimum Oil Volumes). Cold water: Under cold water (10°C or less), use Hasten instead of Uptake.
			210 mL + 500 mL of 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