



Product Name: Agsure Clodinafop 240 Herbicide
APVMA Approval No: 84322/110103

Label Name:	Agsure Clodinafop 240 Herbicide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENTS: 240 g/L CLODINAFOP-PROPARGYL 60 g/L CLOQUINTOCET-MEXYL SOLVENT: 570 g/L LIQUID HYDROCARBONS
Mode of Action:	GROUP A HERBICIDE
Statement of Claims:	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.
Net Contents:	1 L 10 L 20 L 5 L
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.
Directions for Use:	

Other Limitations:	
--------------------	--

Withholding Periods:	<p>HARVEST GRAIN: WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED.</p> <p>ANIMAL GRAZING/FEEDING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.</p>
----------------------	---

Trade Advice:	
---------------	--

General Instructions:	<p>GENERAL INSTRUCTIONS AGSURE CLODINAFOP 240 Herbicide should be applied only when weeds are actively growing.</p> <p>MIXING Fill the spray tank to one quarter full. Then add AGSURE CLODINAFOP 240 while adding water to make up the final spray volume. Pour AGSURE CLODINAFOP 240 into the stream of incoming water. Good agitation at the time AGSURE CLODINAFOP 240 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.</p> <p>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:</p> <ol style="list-style-type: none"> 1. Water conditioners or buffers 2. Water dispersable granules (WG) 3. Wettable powders (WP) 4. Flowable or suspension concentrates (SC) 5. Emulsifiable concentrates (EC) (AGSURE CLODINAFOP 240) 6. Water based or soluble concentrates 7. Oils and wetters – eg Hasten, BS 1000 <p>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.</p> <p>MINIMUM OIL VOLUMES The minimum amount of oil to be applied with AGSURE CLODINAFOP 240 will depend on the type of oil used. When applying AGSURE CLODINAFOP 240 using low water volumes, DO NOT use less than the minimum oil volumes specified below:</p> <ul style="list-style-type: none"> • 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. <p>CLEANING SPRAY EQUIPMENT After using AGSURE CLODINAFOP 240, 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.</p> <p>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.</p> <p>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</p>
-----------------------	---

	<p>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.</p> <p>APPLICATION</p> <p>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.</p> <p>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 AGSURE CLODINAFOP 240 if wind speeds are greater than 5 m/s. If spraying in calm conditions use larger droplets and reduce flying height.</p>
--	---

Resistance Warning:	<p>RESISTANCE WEED WARNING</p> <p>AGSURE CLODINAFOP 240 Herbicide is a member of the aryloxyphenoxypropionate ("fop") group of herbicides. AGSURE CLODINAFOP 240 has the inhibition of fat (lipid) synthesis, (or inhibitors of acetyl CoA carboxylase) mode of action. For weed resistance management AGSURE CLODINAFOP 240 is a Group A herbicide. Some naturally-occurring weed biotypes resistant to AGSURE CLODINAFOP 240 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 AGSURE CLODINAFOP 240 or other Group A herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Elders Rural Services Australia Limited accepts no liability for any losses that may result from the failure of AGSURE CLODINAFOP 240 to control resistant weeds. Weed biotypes resistant to diclofop-methyl and other "grass specific" herbicides can also often be resistant to AGSURE CLODINAFOP 240. Before using AGSURE CLODINAFOP 240 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 AGSURE CLODINAFOP 240. 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, AGSURE CLODINAFOP 240 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 Elders Rural Services Australia Limited representative for details.</p>
---------------------	---

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

Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>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</p> <p>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.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL (1 L)</p> <p>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 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 and tree roots, in compliance with relevant Local, State or Territory government regulation. Do not burn empty containers or product.</p> <p>STORAGE AND DISPOSAL (5 L, 10 L, 20 L)</p> <p>Store in the closed, original container in a cool, 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 rinsing to 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 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 and tree roots, in compliance with relevant Local, State or Territory government regulation. Do not burn empty containers or product.</p>
Safety Directions:	<p>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.</p>
First Aid Instructions:	<p>If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. Give a glass of water.</p>
First Aid Warnings:	

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	NOT TO BE TANK 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 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	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGSURE CLODINAFOP 240 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.
			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	
		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 AGSURE CLODINAFOP 240 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.
			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	

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadocks 12) – <i>continued</i>	Paradoxa Grass (<i>Phalaris paradoxa</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	NOT TO BE TANK MIXED WITH BROADLEAF HERBICIDES AT RATES BELOW 160 mL/ha. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGSURE CLODINAPOP 240 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.
			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	
	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	MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing AGSURE CLODINAPOP 240 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.
			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.