

POISON

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

Trio

Clodinafop-Propargyl

240 EC Herbicide

ACTIVE CONSTITUENTS:

240 g/L CLODINAPOP

60 g/L CLOQUINTOCET-MEXYL

SOLVENTS:

575 g/L LIQUID HYDROCARBONS

100 g/L N-METHYL-2-PYRROLIDONE

GROUP	1	HERBICIDE
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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.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

Contents: 1L – 1000L

CTS Chemicals Pty Ltd. ABN 22 605 759 644
Manning Buildings, 135 High Street Mall
Fremantle WA 6160 Australia
Phone 1800 749 140

STORAGE AND DISPOSAL

Keep out of reach of children.

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

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 and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or 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 and preparing spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product 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 days use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If in eyes wash out immediately with water.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet that can be obtained from the supplier.

CONDITIONS OF SALE

CTS Chemicals Pty. Ltd. makes no warranty or guarantee and will not accept any responsibilities whatsoever and howsoever arising and whether for consequential, special or indirect loss or otherwise in connection with the supply, storage or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatory imposed by Statutes applicable to the sale or supply of these goods. Always read the product labels on the container for all instructions, recommendations, critical comments and conditions of sale.

APVMA Approval No: 90162/135088

In a Transport Emergency Dial 000 Police or Fire Brigade

Batch No:

DOM:

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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 that 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.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

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 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 one to two hours before sunset and persist until one to two hours after sunrise.

CROP	WEEDS CONTROLLED	STATE	RATE PER ha	WEED STAGE GROWTH	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadoks 12 - 37)	Wild Oats	Nth NSW, Qld only	65mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of water	2 to 5 leaf	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT THESE RATES. Use lower rate when weeds are 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 Trio ChargeUp Spray Adjuvant or Infuse.
			85mL + 500mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of	2 leaf to mid tillering	

			water		
			85mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L 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 Trio Clodinafop-Propargyl 240 EC Herbicide with certain broadleaf weed herbicides some reduction in grass weed control may occur. Unless otherwise specified always use Trio ChargeUp Spray Adjuvant, Infuse or Hasten when tank mixing broadleaf herbicides. Use lower rate when weeds are 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 Trio ChargeUp Spray Adjuvant or Infuse.
			125mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of water	2 leaf to mid tillering	
Wheat 2 leaf to late jointing (Zadoks 12 - 37)	Wild Oats	Sthn NSW, VIC, SA, WA only	65mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L 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 Trio Clodinafop-Propargyl 240 EC Herbicide 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 Trio ChargeUp Spray Adjuvant, Infuse or Hasten when tank mixing broadleaf herbicides. Use lower rate when weeds are 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 Trio ChargeUp Spray Adjuvant or Infuse.
			85mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of water	2 leaf to mid tillering	
	Paradoxa Grass (<i>Phalaris paradoxa</i>) Canary	QLD, NSW, VIC, SA only	85mL + 500 mL Trio ChargeUp Spray Adjuvant,	2 to 3 leaf	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT BELOW 160mL/ha. Apply in mixtures for broadleaf weed control only when weeds are actively growing.

	Grass (<i>Phalaris minor</i>)		Hasten or Infuse oil per 100L of water		<p>When mixing Trio Clodinafop-Propargyl 240 EC Herbicide with certain broadleaf weed herbicides some reduction in grass weed control may occur.</p> <p>Use lower rate when weeds are 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 Trio ChargeUp Spray Adjuvant or Infuse.</p>
			125mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of water	2 to 5 leaf	
			160mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of water	2 leaf to early tillering	
Wheat 2 leaf to late jointing (Zadoks 12 - 37)	Annual Ryegrass	NSW, VIC, SA, WA only	160mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L 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.</p> <p>When mixing Trio Clodinafop-Propargyl 240 EC Herbicide with certain broadleaf weed herbicides some reduction in grass weed control may occur.</p> <p>Use lower rate when weeds are 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 Trio ChargeUp Spray Adjuvant or Infuse.</p>
			210mL + 500 mL Trio ChargeUp Spray Adjuvant, Hasten or Infuse oil per 100L of water	2 leaf to early tillering	

**NOT TO 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

Trio Clodinafop-Propargyl 240 EC Herbicide should be applied when weeds are actively growing.

MIXING

Fill the spray tank to one quarter full. Then add Trio Clodinafop-Propargyl 240 EC Herbicide while adding water to make up the final spray volume. Pour Trio Clodinafop-Propargyl 240 EC Herbicide into the stream of incoming water. Good agitation at the time Trio Clodinafop-Propargyl 240 EC Herbicide is added to the tank will ensure good mixing. Add the required amount of Trio ChargeUp Spray Adjuvant, Hasten, or Infuse 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 to 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) (Trio Clodinafop-Propargyl 240 EC Herbicide)
6. Water based or soluble concentrates
7. Oils and wetters - e.g. Hasten, Cropwett

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 Trio Clodinafop-Propargyl 240 EC Herbicide will depend on the type of oil used. When applying Trio Clodinafop-Propargyl 240 EC Herbicide 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 Hasten), DO NOT apply less than 250 mL oil/ha.

CLEANING SPRAY EQUIPMENT

After using Trio Clodinafop-Propargyl 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 (e.g. 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 degrees to 65 degrees. Where booms and nozzles are attached, flat fan nozzles

with a spray angle of 65 degrees to 90 degrees should be used. If spraying in calm conditions use larger droplets and reduce flying height.

COMPATIBILITY

Where Trio Clodinafop-Propargyl 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: Trio Clodinafop-Propargyl 240 EC Herbicide is compatible with diclofop methyl.

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

Incompatible:

The following herbicides are known to be incompatible with Trio Clodinafop-Propargyl 240 EC Herbicide: Diuron, Triasulfuron, bromoxynil + dicamba + MCPA and all 2,4-D formulations. Herbicides, which are incompatible with Trio Clodinafop-Propargyl 240 EC Herbicide, must be applied separately. In this situation, apply Trio Clodinafop-Propargyl 240 EC Herbicide first and then allow at least 10 days between its application and application of the broadleaf weed herbicide.

Insecticides: Trio Clodinafop-Propargyl 240 EC Herbicide is compatible with methidathion.

RESISTANT WEEDS WARNING

GROUP	1	HERBICIDE
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Trio Clodinafop-Propargyl 240 EC Herbicide is a member of the aryloxyphenoxypropionate ('fop') group of herbicides. Trio Clodinafop-Propargyl 240 EC Herbicide has the inhibition of fat (lipid) synthesis, (or inhibitors of acetyl CoA carboxylase) mode of action. For weed resistance management Trio Clodinafop-Propargyl 240 EC Herbicide is a Group 1 herbicide.

Some naturally-occurring weed biotypes resistant to Trio Clodinafop-Propargyl 240 EC Herbicide and other Group 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 Trio Clodinafop-Propargyl 240 EC Herbicide or other Group 1 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, CTS Chemicals Pty Ltd accepts no liability for any losses that may result from the failure of Trio Clodinafop-Propargyl 240 EC Herbicide to control resistant weeds.

Weed biotypes resistant to diclofop-methyl and other 'grass specific' herbicides can also often be resistant to Trio Clodinafop-Propargyl 240 EC Herbicide. Before using Trio Clodinafop-Propargyl 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 Trio Clodinafop-Propargyl 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. 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, Trio Clodinafop-Propargyl 240 EC Herbicide or other Group 1 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 CTS Chemicals representative for details.

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 drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. DO NOT allow spray to drift onto adjacent fallow lands.

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

Keep out of reach of children.

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

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 and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or 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 and preparing spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product 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 days use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If in eyes wash out immediately with water.

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Additional information required under the Globally Harmonised System (GHS) classification of the substance/mixture:

Combustible liquid. Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a doctor. IF ON SKIN: Wash with plenty of water and soap. Take off all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. In case of fire: Use dry chemical, CO₂, water spray or regular foam to extinguish. Store locked up.