

POISON

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

CLODINAFOP

240 HERBICIDE

ACTIVE CONSTITUENT:

240 g/L CLODINAFOP-PROPARGYL
60 g/L CLOQUINTOCET-MEXYL

SOLVENTS:

560 g/L LIQUID HYDROCARBONS
PRESENT AS LIQUID PARAFFIN
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.

IMPORTANT:
READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT

RELYON

APVMA Approval No:
81782/123940

DIRECTIONS FOR USE**Restrains:**

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 long period of frosts.

DO NOT apply under poor growing conditions.

CROP	WEEDS CONTROLLED	STATE	RATE/ha	WEED GROWTH STAGE
Wheat 2 leaf to late jointing (Zadocks 12-37)	Wild Oats	Nthn NSW, Qld only	65mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2-5 leaf
			85mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2 leaf to mid tillering
			85mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2-5 leaf
			125mL + 1L D-C -rate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2 leaf to mid tillering
	Sthn NSW, Vic, Tas, SA, WA only	65mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil, Or 100mL of a 100% non-ionic surfactant / 100L of water.	2-5 leaf	
			85mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil, Or 100mL of a 100% non-ionic surfactant / 100L of water.	2 leaf to mid tillering

CRITICAL COMMENTS
<p>NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT THESE RATES. Apply at 85mL/ha when weeds are not actively growing. When 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>
<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing RELYON CLODINAFOP 240 HERBICIDE 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 125mL/ha when weeds are not actively growing. When 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>
<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing RELYON CLODINAFOP 240 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 D-C-Trate, Uptake or Hasten when tank mixing broadleaf herbicides. Apply at 85mL/ha when weeds are not actively growing. When 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>

CROP	WEEDS CONTROLLED	STATE	RATE/ha	WEED GROWTH STAGE
Wheat 2 leaf to late jointing (Zadocks 12-37)	Paradoxa Grass (<i>Phalaris paradoxa</i>) Canary Grass (<i>Phalaris minor</i>)	Qld, NSW, Vic, Tas, SA only	85mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2-3 leaf
			125mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2-5 leaf
			160mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2 leaf to early tillering
	Annual Ryegrass	NSW, Vic, Tas, SA, WA only	160mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L of water or similar compatible oil	2-4 leaf
			210mL + 1L D-C-Trate Oil or 500mL Hasten or Uptake oil/ 100L water or similar compatible oil	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

WITHHOLDING PERIODS:

Harvest: NOT REQUIRED WHEN USED AS DIRECTED

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

CRITICAL COMMENTS
<p>NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT BELOW 160mL/ha. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing RELYON CLODINAFOP 240 HERBICIDE with certain broadleaf weed herbicides some reduction in grass weed control may occur. Refer to compatibility section. Unless otherwise specified always use Adigor or similar compatible oil when tank mixing broadleaf herbicides. Apply at 160mL/ha when weeds are not actively growing. When 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>
<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing RELYON CLODINAFOP 240 HERBICIDE with certain broadleaf weed herbicides some reduction in grass weed control may occur. Refer to the compatibility section. Unless otherwise specified always use Adigor or other similar compatible oil when tank mixing broadleaf herbicides. Apply at 210mL/ha when weeds are not actively growing. When 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>

GENERAL INSTRUCTIONS

RELYON CLODINAFOP 240 HERBICIDE should be applied only when weeds are actively growing.

RESISTANT WEEDS WARNING

GROUP A HERBICIDE

RELYON CLODINAFOP 240 HERBICIDE is a member of the aryloxyphenoxypropionate (“fop”) group of herbicides. This product has the inhibition of fat (lipid) synthesis (or inhibitors or acetyl CoA carboxylase) mode of action. For weed resistance management this product is a Group A herbicide. Some naturally occurring weed biotypes resistant to this product 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 this product or other Group A herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nutrien Ag Solutions Limited accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Weed biotypes resistant to diclofop-methyl and other “grass specific” herbicides can also often be resistant to RELYON CLODINAFOP 240 HERBICIDE. Before using RELYON CLODINAFOP 240 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 RELYON CLODINAFOP 240 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 A herbicide with the inhibition of fat (lipid) synthesis (or inhibitors or 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, RELYON CLODINAFOP 240 HERBICIDE 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) Programme. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or Nutrien Ag Solutions representative for details.

MIXING

Fill the spray tank to one quarter full. Then add RELYON CLODINAFOP 240 HERBICIDE while adding water to make up the final spray volume. Pour RELYON CLODINAFOP 240 HERBICIDE into the stream of incoming water. Good agitation at the time RELYON CLODINAFOP 240 HERBICIDE 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:

1. water conditioners or buffers
2. water dispersible granules (WG)
3. wettable powders (WP)
4. flowable or suspension concentrates (SC)
5. emulsifiable concentrates (EC) (RELYON CLODINAFOP 240 HERBICIDE)
6. water based or soluble concentrates
7. oils and wetters – e.g. 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 RELYON CLODINAFOP 240 HERBICIDE will depend on the type of oil used. When applying RELYON CLODINAFOP 240 HERBICIDE using low water volumes, DO NOT use less than the minimum oil volumes specified below:

- For oils normally applied at 1% v/v (E.g. D-C-Trate), DO NOT apply less than 500ml oil/ha.
- For oils normally applied at 0.5% v/v (E.g. Uptake, Hasten), DO NOT apply less than 250ml oil/ha.

CLEANING SPRAY EQUIPMENT

After using RELYON CLODINAFOP 240 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 0.5L/100L of water and circulate through out the system for at least 15 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 tree roots.

APPLICATION

Ground Application: Boom spray with flat fan nozzles. Ensure good spray coverage is obtained. Apply using 50 to 110L of water/ha. A medium to coarse spray quality applied at a minimum of 80 L/ha is recommended.

Aircraft Application: For best results use 30 L of water/ha and spray at 2m to 3m above the crop. A medium to coarse spray quality is recommended.

Avoid using RELYON CLODINAFOP 240 HERBICIDE if wind speeds are greater than 5 m/second. If spraying in calm conditions use larger droplets and reduce flying height.

DO NOT spray when there is a risk of inversion.

COMPATIBILITY

When RELYON CLODINAFOP 240 HERBICIDE is applied with compatible herbicides always use a recommended oil. Use only a 100% non-ionic surfactant when mixing with diflufenican based products.

Grass Herbicides: RELYON CLODINAFOP 240 HERBICIDE is compatible with diclofop-methyl.

Broadleaf Herbicides: Some broadleaf herbicides are incompatible with RELYON CLODINAFOP 240 HERBICIDE because they reduce the effectiveness of RELYON CLODINAFOP 240 HERBICIDE or because in mixture they may cause crop yellowing.

INCOMPATIBLE HERBICIDES

The following herbicides are known to be incompatible with RELYON CLODINAFOP 240 HERBICIDE: Diuron, Logran, Barrel* (bromoxynil + dicamba + MCPA) and all 2,4-D formulations.

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

Insecticides: RELYON CLODINAFOP 240 HERBICIDE is compatible with Supracide* 400 EC Emulsifiable Concentrate Insecticide.

PRECAUTIONS

Re-entry period

DO NOT enter treated areas without protective clothing until 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 whereby movement of soil or by seepage absorption of the herbicide may occur.

DRIFT WARNING

DO NOT apply under weather conditions, or from spraying equipment, which may cause spray to drift onto nearby susceptible plants/crops, cropping 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 streams, rivers or waterways 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 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 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 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 the spray for use wear cotton overalls buttoned to the next 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 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 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 (SDS), which is available from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.

RELYON®

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