

POISON

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

Trio Quizalofop 200 EC Herbicide

**ACTIVE CONSTITUENT:
200 g/L QUIZALOFOP-P-ETHYL
SOLVENTS:
589.5 g/L LIQUID HYDROCARBON
150 g/L N-METHYL-PYRROLIDONE**

GROUP	1	HERBICIDE
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**For the control of certain grass weeds in broadleaf crops
as per the Directions for Use table.**

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

Contents: 20L – 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

DO NOT store tank-mixes of Trio Quizalofop 200 EC Herbicide with other materials.

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. 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 inhaled or swallowed. May irritate the nose and throat. Will irritate the skin. May irritate the eyes. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, mixing, loading and preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves. If applying by spraying equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist, and elbow-length chemical resistant gloves. If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID INSTRUCTIONS

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

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: 90988/134476

Batch No:

DOM:

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DIRECTIONS FOR USE**RESTRAINTS:**

DO NOT apply to crops that are stressed by any cause (such as severe cold weather, disease, drought or waterlogging).

DO NOT apply to weeds that are stressed by any cause (such as weather conditions, drought, waterlogging) or not actively growing. Grass weeds under stress frequently become less susceptible to herbicide activity. This may result in an incomplete kill or suppression of weeds only.

DO NOT apply under conditions of high temperature and low humidity.

DO NOT apply if rainfall is expected within 3 hours.

DO NOT apply less than 50L prepared spray/ha - see section "Ground Spraying"

BOOM SPRAYING: WINTER GROWING WEEDS: ALL STATES.

CROPS	WEEDS CONTROLLED	WEEDS STAGE	RATE/ha	WITHHOLDING PERIOD		CRITICAL COMMENTS
				HARVEST	GRAZING	
Beetroot	Annual Ryegrass (<i>Lolium rigidum</i>) Brome Grasses (<i>Bromus</i> spp.)	3 leaf to early tillering	150 mL or 190 mL	14 days	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
Cabbage				9 weeks	-	
Canola				11 weeks	4 weeks	
Carrots				10 weeks	-	
Cauliflower				14 days	-	
Chickpeas				12 weeks	4 weeks	
Clover & sub-clover pastures				-	14 days	
Cucumbers	Barley grass (<i>Hordeum</i> spp) Volunteer Barley Volunteer Wheat	3 leaf to early tillering	125 mL	14 days	-	Apply when weeds are actively growing*
Faba beans				12 weeks	4 weeks	
Field peas				9 weeks	4 weeks	
Honey dew melons*				9 weeks	-	
Lentils				12 weeks	4 weeks	
Lucerne				-	4 weeks	
Lupins	Wild Oats (<i>Avena</i> spp)	3 leaf to mid tillering	65 mL or 125 mL	6 weeks	4 weeks	Apply when weeds are actively growing. Use the lower rate only under light weed pressure and/or when weeds are at the 1-3 leaf stage. Use higher rate under heavy weed pressure and/or when weeds are tillering. The higher rate will give better or more reliable control*
Medic pasture				-	14 days	
Mung beans				12 weeks	4 weeks	
Navy beans				12 weeks	4 weeks	
Onions				18 weeks	-	
Potatoes				10 weeks	-	
Pumpkins				9 weeks	-	
Radish				21 days	-	
Tomatoes				4 weeks	-	
Vetch				12 weeks	4 weeks	

* Always add a surfactant/wetting agent at the recommended rate. See section on "use of surfactant/wetting agent" for details.

· **IMPORTANT: DO NOT** apply Trio Quizalofop 200 EC Herbicide before the five true leaf stage of Cucumbers, Honey Dew Melons and Pumpkins.

BOOM SPRAYING: SUMMER GROWING WEEDS: ALL STATES.

CROPS	WEEDS CONTROLLED	WEEDS STAGE	RATE/ha	WITHHOLDING PERIOD		CRITICAL COMMENTS
				HARVEST	GRAZING	
Beetroot Cabbage Cauliflower Carrots Cucumbers Green beans Honey dew Melons Lucerne Mung beans Navy beans Onions Peanuts Potatoes Pineapples Pumpkins Radish Soybeans Sunflower Tomatoes	Awnless Barnyard Grass (<i>Echinochloa colona</i>) Barnyard Grass (<i>Echinochloa crusgalli</i>)	3 leaf to early tillering	250 mL or 375 mL	14 days 9 weeks 14 weeks 10 weeks 14 days 5 weeks 9 weeks	- - - - - 4 weeks -	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
	Couch grass (<i>Cynodon dactylon</i>)	2 - 4 leaf seedling	250mL	- 12 weeks 12 weeks 18 weeks 11 weeks	4 weeks 4 weeks 4 weeks - 11 weeks	Apply when weeds are actively growing. This rate will only control seedling Couch Grass which is less than 2 months old and established from seed*.
	Dinebra (<i>Dinebra retroflexa</i>)	3 leaf to early tillering	125mL or 190mL	10 weeks 7 days 9 weeks 21 days 12 weeks 9 weeks 4 weeks	- - - - 4 weeks 11 weeks -	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
	Crowsfoot grass (<i>Eleusine indica</i>)	2 leaf to early tillering	250mL	4 weeks	-	Apply when weeds are actively growing*.
	Foxtail Millet (<i>Setaria italica</i>)	2 leaf to early tillering	125mL or 250mL			Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
	Columbus grass (<i>Sorghum x alnum</i>) Johnson grass (<i>Sorghum halepense</i>) Liverseed grass (<i>Urochloa panicoides</i>)	2 leaf to 3 tiller	250mL or 375mL			
	Rhodes grass (<i>Chloris gayana</i>) Stink grass (<i>Eragrostis cilianensis</i>)	3 leaf to early tillering	125mL or 250mL			
	Queensland Blue grass (<i>Dichanthium sericeum</i>)	3 leaf to early tillering	250mL			Apply when weeds are actively growing*.

	Summer grass (<i>Digitaria ciliaris</i>)	3 leaf to early tillering	250mL or 500mL			Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
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* Always add a surfactant/wetting agent at the recommended rate. See section on “use of surfactant/wetting agent” for details

· **IMPORTANT: DO NOT** apply Trio Quizalofop 200 EC Herbicide before the five true leaf stage of Cucumbers, Honey Dew Melons and Pumpkins.

HAND GUN SPRAYING: ALL STATES

CROPS	WEEDS CONTROLLED	WEEDS STAGE	RATE/ha	WITHHOLDING PERIOD		CRITICAL COMMENTS
				HARVEST	GRAZING	
Beetroot	Awnless	3 leaf to early tillering	65 mL	14 days	-	Apply when weeds are actively growing. Use a minimum of 800L of prepared spray/ha. Thoroughly wet target weeds (especially well established clumps) without causing runoff. Repeat spraying may be necessary for perennial grass species.
Cabbage	Barnyard			9 weeks	-	
Cauliflower	Grass			14 days	-	
Canola	(<i>Echinochloa</i>			11 weeks	4 weeks	
Carrots	<i>colona</i>)			10 weeks	-	
Chickpeas	Crowsfoot			12 weeks	4 weeks	
Clover &	grass (<i>Eleusine</i>			-	14 days	
sub-clover	<i>indica</i>)			14 days	-	
pastures	Paspalum (<i>Paspalum</i> <i>dilatatum</i>)	Seedling to established clumps	12 weeks	4 weeks	Always add a surfactant/wetting agent at the recommended rate- see section on “Use of Surfactant/Wetting agent” for details.	
Cucumbers			9 weeks	4 weeks		
Faba beans			-	-		
Field peas	5 weeks	4 weeks				
Grapes	Johnson grass (<i>Sorghum</i> <i>halepense</i>)	Seedling 2 leaf to early tillering	9 weeks	-		
Green beans			12 weeks	4 weeks		
Honey dew			-	4 weeks		
Melons			6 weeks	4 weeks		
Lentils		-	12 days			
Lucerne		Rhizome 2 leaf to early tillering	125 mL	12 weeks		4 weeks
Lupins				-	12 days	
Medic pasture				12 weeks	4 weeks	
Mung beans				-	-	
Navy beans				18 weeks	-	
Non crop				11 weeks	11 weeks	
Onions				7 days	-	
Peanuts				10 weeks	-	
Pineapples				9 weeks	-	
Potatoes				21 days	-	
Pumpkins				12 weeks	4 weeks	
Radish				9 weeks	11 weeks	
Soy beans				4 weeks	-	
Sunflowers	12 weeks			4 weeks		
Tomatoes						
Vetch						

	Kikuyu (<i>Pennisetum clandestinum</i>)	Seedling to established plants				
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· **IMPORTANT: DO NOT** apply Trio Quizalofop 200 EC Herbicide before the five true leaf stage of Cucumbers, Honey Dew Melons and Pumpkins.

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

WITHHOLDING PERIODS

HARVEST

BEETROOT, CAULIFLOWER, CUCUMBERS: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

CABBAGE, FIELD PEAS, HONEY DEW MELON, PUMPKINS, SUNFLOWERS: DO NOT HARVEST FOR 9 WEEKS AFTER APPLICATION.

CARROTS, POTATOES: DO NOT HARVEST FOR 10 WEEKS AFTER APPLICATION.

CHICKPEAS, FABA BEANS, LENTILS, MUNG BEANS, NAVY BEANS, SOYBEANS, VETCH: DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION.

CANOLA, PEANUTS: DO NOT HARVEST FOR 11 WEEKS AFTER APPLICATION.

GREEN BEANS: DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION.

GRAPES: NOT REQUIRED WHEN USED AS DIRECTED.

LUPINS: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.

ONIONS: DO NOT HARVEST FOR 18 WEEKS AFTER APPLICATION.

PINEAPPLES: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

RADISH: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

TOMATOES: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

GRAZING

CANOLA, CHICKPEA, FABA BEANS, FIELD PEAS, GREEN BEANS, LENTILS, LUCERNE, LUPINS, MUNG BEANS, NAVY BEANS, SOYBEANS, VETCH: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 4 WEEKS AFTER APPLICATION.

CLOVER, MEDIC PASTURES (EXCEPT LUCERNE): DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.
PEANUTS, SUNFLOWERS: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 11 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Trio Quizalofop 200 EC Herbicide is an emulsifiable concentrate herbicide used post emergence for the control of certain grass weeds in specified broadleaf crops. Trio Quizalofop 200 EC Herbicide is a systemic herbicide, which is rapidly absorbed and readily translocated from the treated foliage to the root system and growing points of the plant. Applications made to grass weeds stressed due to insufficient moisture or cold temperatures may result in unsatisfactory control.

RESISTANT WEEDS WARNING

GROUP	1	HERBICIDE
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Trio Quizalofop 200 EC Herbicide is a member of the "Fop" (aryloxyphenoxy propionate) group of herbicides. Trio Quizalofop 200 EC Herbicide has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management Trio Quizalofop 200 EC Herbicide is a Group 1 Herbicide. Some naturally occurring weed biotypes resistant to Trio Quizalofop 200 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 Quizalofop 200 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 failure of Trio Quizalofop 200 EC Herbicide to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, CTS Chemicals Representative, local Department of Agriculture or Primary Industries.

Time of Application

For maximum benefit, weeds should be sprayed when young and actively growing. Application may be made at any stage of crop growth (except to cucurbit crops), but sufficient time must be allowed for the prescribed withholding period to expire before harvest and/or grazing or cutting for stockfeed. **IMPORTANT: DO NOT** apply Trio Quizalofop 200 EC Herbicide to cucurbit crops before the five true leaf stage.

Spray Preparation

If spray equipment has been previously used for the application of sulfonylurea herbicides eg metsulfuron, chlorsulfuron, thifensulfuron methyl, triasulfuron, ensure that the recommended sprayer equipment procedure for the product previously sprayed has been followed, before using the equipment for the application of Trio Quizalofop 200 EC Herbicide. Trio Quizalofop 200 EC Herbicide is an emulsifiable concentrate to be mixed with water and applied as a spray. Add the required amount of Trio Quizalofop 200 EC Herbicide directly to the spray tank and mix well. If mixing with mancozeb or carbendazim, add these to the spray tank and mix thoroughly **PRIOR** to adding Trio Quizalofop 200 EC Herbicide. If spray solution has been left standing for more than 3 hours ensure thorough re-agitation before commencement of spraying.

DO NOT allow spray mixture to stand overnight, as re-suspension may be difficult.

Use of a Surfactant/Wetting Agent

Trio Quizalofop 200 EC Herbicide may be used with either of the following adjuvant system:

1) A methylated and/or ethylated seed crop oil (eg Hasten#) at 1L/100L of final spray volume (i.e. 1% v/v)

2) A non-ionic surfactant (1000 gai/L) at 200 mL/100L of final spray volume (i.e. 0.2% v/v).

DO NOT use Trio Quizalofop 200 EC Herbicide with mineral based crop oils (eg D-C-Trate#) or non-methylated spray oils of crop origin (eg Codacide# oil, Synetrol# oil) as spray adjuvants.

Compatibilities

Trio Quizalofop 200 EC Herbicide is compatible with the herbicides sethoxydim and clethodim. The recommended surfactant/wetting agent is the methylated and/or ethylated seed crop oil adjuvant system.

Trio Quizalofop 200 EC Herbicide is compatible with the insecticides deltamethrin, omethoate, dimethoate, methomyl, endosulfan, the fungicides carbendazim and mancozeb and the herbicide clopyralid when using the methylated and/or ethylated seed crop oil adjuvant sys

Trio Quizalofop 200 EC Herbicide is compatible with the herbicide diflufenican when using the non-ionic surfactant only adjuvant system.

DO NOT add crop oil to tank mixtures of Trio Quizalofop 200 EC Herbicide /diflufenican.

Application of Trio Quizalofop 200 EC Herbicide/ diflufenican tank mix may result in crop effects, which usually appear as yellow or white bleaching on the leaves. New growth and subsequent yield, however, will not be affected.

To minimise crop effects apply Trio Quizalofop 200 EC Herbicide a minimum of 5 days prior to diflufenican application or a minimum of 10 days after diflufenican application. (14-21 days if weeds have been stressed).

Ground Spraying

Use between 50 and 100 litres of prepared spray/ha, the higher spray volume gives more reliable results. If weeds are large and the crop canopy is dense, increase the volume to 150 litres prepared spray/ha.

Use sprayers with flat fan or hollow cone nozzles at 210-350 kPa to give an even distribution of droplets with no less than 50% of the spray volume in the fine to coarse range. 110° flat fan nozzles are preferred. For proper spray coverage adjust the boom and nozzle height according to the specification listed by the nozzle manufacturers. Ensure the spray is evenly distributed and a double overlap spray pattern is obtained. Avoid overlapping boomspray widths and shut off spray booms while starting, slowing or stopping.

Sprayer cleanup

Thoroughly clean all traces of Trio Quizalofop 200 EC Herbicide from application equipment immediately after use. Flush tank, pump, hoses and boom with several changes of water after removing nozzle tips and screens (clean those parts separately). Failure to thoroughly clean the equipment may result in injury to subsequently sprayed cereal and grass crops.

If spray equipment has been previously used for the application of sulfonyleurea herbicides eg metsulfuron methyl, thifensulfuron methyl, chlorsulfuron, triasulfuron ensure that the recommended sprayer cleanup procedure of the product previously sprayed has been followed before using the equipment for the application of Trio Quizalofop 200 EC Herbicide.

PRECAUTION: RE-ENTRY

DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary, wear chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT plant cereal crops into the treated area for a period of 18 weeks after application of Trio Quizalofop 200 EC Herbicide.

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping land or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

DO NOT store tank-mixes of Trio Quizalofop 200 EC Herbicide with other materials.

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. 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 inhaled or swallowed. May irritate the nose and throat. Will irritate the skin. May irritate the eyes. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, mixing, loading and preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves. If applying by spraying equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist, and elbow-length chemical resistant gloves. If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID INSTRUCTIONS

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

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GHS STATEMENTS, add the following:

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

Hazard statements

Combustible liquid. Suspected of causing cancer. May damage fertility or the unborn child. 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. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. 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. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off all contaminated clothing and wash it before reuse. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Store locked up.