

POISON

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



TARGA®

HERBICIDE

ACTIVE CONSTITUENT: 99.5 g/L QUIZALOFOP-P-ETHYL
SOLVENT: 801.1 g/L HYDROCARBON LIQUID

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

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT.

CONTENTS: 5 – 1000 Litres

APVMA Approval No: 64955/129039



SIPCAM PACIFIC AUSTRALIA PTY LIMITED
Level 1, 191 Malop Street Geelong VIC 3220

® Registered Trademark of Nissan Chemical Industries, Co Japan

SIPCAM TARGA HERBICIDE

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. DO NOT store tank-mixes of Sipcam Targa Herbicide with other materials. When storing, keep from contact with fertilisers, fungicides and seeds. Triple rinse containers before disposal. Add rinsings to the 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.

Refillable Containers

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

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. When preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. If product in eyes, wash out immediately with water. Wash hands after use. 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: 131126. If swallowed, DO NOT induce vomiting.

SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet (SDS) which is available from the supplier or from our web site, www.sipcam.com.au

NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

Batch No:

Date of Manufacture:

THIS PRODUCT NOT SUBJECT TO THE PROVISIONS OF THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL WHEN PACKED IN THIS CONTAINER AND TRANSPORTED IN AUSTRALIA

**For specialist advice in emergency only, call 1800 033 111
all hours, Australia wide**



G.H.S. STATEMENTS

HAZARDS H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H320: Causes eye irritation.

PREVENTION Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves / protective clothing / eye protection / face protection. Wash face, hands and any exposed skin thoroughly after handling.

RESPONSE. 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 soap and water.

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. **IF SWALLOWED:** Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

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THIS LEAFLET IS PART OF THE LABEL.

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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.

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	300 mL or 375 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 & subclover pastures				-	14 days					
Cucumbers•				Barley grass (<i>Hordeum</i> spp)	3 leaf to early tillering		250 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	125 mL or 250 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 Sipcam Targa 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>)	3 leaf to early tillering	500mL or 750mL	14 days	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
				9 weeks	-	
	Couch grass (<i>Cynodon dactylon</i>)	2 – 4 leaf seedling	500mL	14 days	-	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*.
				10 weeks	-	
	Dinebra (<i>Dinebra retroflexa</i>)	3 leaf to early tillering	250mL or 375mL	14 days	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
				14 days	-	
	Crowsfoot grass (<i>Eleusine indica</i>)	2 leaf to early tillering	500mL	14 days	-	Apply when weeds are actively growing*.
				5 weeks	4 weeks	
	Foxtail Millet (<i>Setaria italica</i>)	2 leaf to early tillering	250mL or 500mL	5 weeks	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
				9 weeks	11 weeks	
Columbus grass (<i>Sorghum x alnum</i>) Johnson grass (<i>Sorghum halepense</i>) Liverseed grass (<i>Urochloa panicoides</i>)	2 leaf to 3 tiller	500mL or 750mL	12 weeks	-		
			12 weeks	-		
Rhodes grass (<i>Chloris gayana</i>) Stink grass (<i>Eragrostis ciliaris</i>)	3 leaf to early tillering	250mL or 500mL	18 weeks	-		
			11 weeks	11 weeks		
Queensland Blue grass (<i>Dichanthium sericeum</i>)	3 leaf to early tillering	500mL	10 weeks	-	Apply when weeds are actively growing*.	
			7 days	-		
Summer grass (<i>Digitaria ciliaris</i>)	3 leaf to early tillering	500mL or 1000mL	9 weeks	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*	
			21 days	4 weeks		
			12 weeks	4 weeks		
			4 weeks	11 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 Sipcam Targa 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 Barnyard Grass (<i>Echinochloa colona</i>) Crowsfoot grass (<i>Eleusine indica</i>)	3 leaf to early tillering	125 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. Always add a surfactant/wetting agent at the recommended rate – see section on “Use of Surfactant/Wetting agent” for details.			
Cabbage				9 weeks	-				
Cauliflower				14 days	-				
Canola				11 weeks	4 weeks				
Carrots				10 weeks	-				
Chickpeas				12 weeks	4 weeks				
Clover & subclover pastures				Paspalum (<i>Paspalum dilatatum</i>)	Seedling to Established Clumps		-	14 days	-
Cucumbers*							14 days	-	
Faba beans				Johnson grass (<i>Sorghum halepense</i>)	Seedling 2 leaf to early tillering		-	12 weeks	4 weeks
Field peas								9 weeks	4 weeks
Grapes	-	-							
Green beans	Kikuyu (<i>Pennisetum clandestinum</i>)	Seedling to Established plants	250 mL	5 weeks	4 weeks				
Honey dew				9 weeks	-				
Melons*				12 weeks	4 weeks				
Lentils				-	4 weeks				
Lucerne				-	4 weeks				
Lupins				6 weeks	4 weeks				
Medic pasture				-	14 days				
Mung beans				12 weeks	4 weeks				
Navy beans				12 weeks	4 weeks				
Non crop				-	-				
Onions	-	-							
Peanuts	18 weeks	11 weeks							
Pineapples	11 weeks	-							
Potatoes	7 days	-							
Pumpkins*	10 weeks	-							
Radish	9 weeks	-							
Soybeans	21 days	-							
Sunflowers	12 weeks	4 weeks							
Tomatoes	9 weeks	11 weeks							
Vetch	4 weeks	-							
				12 weeks	4 weeks				

•**IMPORTANT: DO NOT** apply Sipcam Targa 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 PERIOD

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, CHICKPEAS, 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), SUB CLOVER: 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

Sipcam Targa Herbicide is an emulsifiable concentrate herbicide used post emergence for the control of certain grass weeds in specified broadleaf crops. Sipcam Targa Herbicide is a systemic herbicide, which is rapidly absorbed and readily translocates 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

Sipcam Targa Herbicide is a member of the "Fop" (aryloxyphenoxy propionate) group of herbicides. Sipcam Targa Herbicide has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management Sipcam Targa Herbicide is a Group 1 Herbicide. Some naturally occurring weed biotypes resistant to Sipcam Targa 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 Sipcam Targa Herbicide or Group 1 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sipcam Pacific Australia Pty Ltd accepts no liability for any losses that may result from failure of Sipcam Targa Herbicide to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, Sipcam 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 curcubit 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 Sipcam Targa Herbicide to curcubit crops before the five true leaf stage.

Spray Preparation

If spray equipment has been previously used for the application of sulfonyleurea herbicides eg metsulfuron methyl, chlorsulfuron, thifensulfuron methyl, triasulfuron, ensure that the recommended sprayer clean up procedure for the product previously applied has been followed, before using the equipment for the application of Sipcam Targa Herbicide. Sipcam Targa Herbicide is an emulsifiable concentrate to be mixed with water and applied as a spray. Add the required amount of Sipcam Targa 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 Sipcam Targa Herbicide.

Use of a Surfactant/Wetting Agent

Sipcam Targa Herbicide may be used with either of the following adjuvant system:

- 1) A non-ionic surfactant (1000 gai/L strength) at 100 mL/100L (i.e. 0.1% v/v) and a mineral spray oil at 1 L/100L of final spray volume (ie 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 non-ionic surfactant + mineral oil adjuvant system on vegetable crops, use a non-ionic surfactant only. DO NOT use non-methylated spray oils of crop origin (eg Cocacide oil, Synetrol oil) as spray adjuvants

Compatibilities

Sipcam Targa Herbicide is compatible with the herbicides sethoxydim and clethodim. The recommended surfactant/wetting agent for these tank mixes is the non-ionic surfactant and mineral spray oil adjuvant system. Sipcam Targa Herbicide is compatible with the insecticides deltamethrin, omethoate, dimethoate, methomyl, the fungicides carbendazim and mancozeb and the herbicide clopyralid when using the non-ionic surfactant and mineral oil adjuvant system. Sipcam Targa 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 Sipcam Targa Herbicide/diflufenican. Application of Sipcam Targa 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 Sipcam Targa 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 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 150-300 micron range. 110° flat fan nozzles are preferred. 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. 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 Sipcam Targa 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.

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 Sipcam Targa 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

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. DO NOT store tank-mixes of Sipcam Targa Herbicide with other materials. When storing, keep from contact with fertilisers, fungicides and seeds. Triple rinse containers before disposal. Add rinsings to the 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.

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* Not a Sipcam trademark