



Company Name: SABAKEM PTY LTD
Product Name: SABAKEM QUIZALOFOP 200EC SELECTIVE HERBICIDE
APVMA Approval No: 80006/102404

Label Name:	SABAKEM QUIZALOFOP 200EC SELECTIVE HERBICIDE
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	200 g/L QUIZALOFOP-P-ETHYL 150 g/L N-METHYLPYRROLIDONE 592 g/L HYDROCARBON LIQUID
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Mode of Action:			
	GROUP	A	HERBICIDE

Statement of Claims:	For the control of certain grass weeds in broadleaf crops as per Directions for Use table
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Net Contents:	1000L 110L 20L 5L
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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 complete 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". IMPORTANT: DO NOT apply SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE before the five true leaf stage of Cucumbers, Honey Dew Melons and Pumpkins.
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Directions for Use:	This section contains file attachment. File Name: QPE DFU.docx File Size: 26080 bytes
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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, 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): 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.
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General Instructions:	SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE is an emulsifiable concentrate herbicide used post emergence for the control of certain grass weeds in specified broadleaf crops. SABAKEM® QUIZALOFOP 200EC SELECTIVE 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. 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 SABAKEM® QUIZALOFOP 200EC SELECTIVE 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 methyl), chlorsulfuron, thifensulfuron methyl, triasulfuron, ensure that the recommended sprayer equipment procedure for the product previously applied has been followed, before using the equipment for the application of SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE. SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE is an emulsifiable concentrate to be mixed with water and applied as a spray. Add the required amount of SABAKEM® QUIZALOFOP 200EC SELECTIVE 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 SABAKEM® QUIZALOFOP 200EC
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SELECTIVE 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

SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE may be used with either of the following adjuvant system:

- 1). A methylated and/or ethylated seed crop oil (eg Hastent†) at 1L/100L of final spray volume (i.e. 1%V/V).
- 2). (Non-ionic surfactant (1000g/L), at 200mL/100L of final spray volume (i.e. 0.2%V/V).

Incompatibilities

DO NOT use SABAKEM® QUIZALOFOP 200EC SELECTIVE 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

SABAKEM® QUIZALOFOP 200EC SELECTIVE 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. SABAKEM® QUIZALOFOP 200EC SELECTIVE 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 system. SABAKEM® QUIZALOFOP 200EC SELECTIVE 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 SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE /diflufenican. Application of SABAKEM® QUIZALOFOP 200EC SELECTIVE 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 SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE a minimum of 5 days prior to diflufenican application or a minimum 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 150-300 micron range. 1100 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 boom spray widths and shut off spray booms while starting, slowing or stopping.

Sprayer Cleanup

Thoroughly clean all traces of SABAKEM® QUIZALOFOP 200EC SELECTIVE 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 sulfonylurea herbicides eg SABAKEM® METSULFURON 600 WG HERBICIDE, thifensulfuron methyl, SABAKEM® CHLORSULFURON 750 WG SELECTIVE HERBICIDE, Triasulfuron 750 WG Herbicide ensure that the recommended sprayer clean-up procedure of the product previously sprayed has been followed before using the equipment for the application of SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE.

Resistance Warning:	SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE is a member of the “Fop” (aryloxyphenoxy propionate) group of herbicides. SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE is a Group A Herbicide. Some naturally occurring weed biotypes resistant to SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE 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 SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sabakem Pty Ltd accepts no liability for any losses that may result from failure of SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier consultant, Sabakem representative, local Department of Agriculture or Primary Industries.
Precautions:	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.
Protections:	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 SABAKEM® QUIZALOFOP 200EC SELECTIVE 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:	STORAGE AND DISPOSAL (5L and 20L only) DO NOT store tank-mixes of SABAKEM® QUIZALOFOP 200EC SELECTIVE HERBICIDE with other materials. Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. When storing, keep from contact with fertilisers, fungicides and seeds. 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 container 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: (1000L only) Store in closed, original container in a cool, well – ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage. Envirodrum 110L Mini Bulk Returnable Container: Store the original sealed ENVIRODRUM in a cool well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with Micro Matic valve or security seal. DO NOT contaminate the ENVIRODRUM with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the

	contents of the ENVIRODRUM have been used, please return the empty ENVIRODRUM to the point of purchase. The ENVIRODRUM remains the property of Sabakem Pty Ltd.
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Safety Directions:	Harmful if inhaled or swallowed or may irritate the nose and throat and will irritate the skin. May irritate the eyes. Avoid contact with eyes and skin and do not inhale spray mist when opening the container, mixing, loading and preparing the spray. Wear cotton overalls buttoned to the neck and wrist and a washable hat, 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 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.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed DO NOT induce vomiting. Give a glass of water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
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First Aid Warnings:	
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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	150mL or 190mL	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*				14 days	--	
Faba beans				12 weeks	4 weeks	
Field peas				9 weeks	4 weeks	
Honey dew melons*	Barley grass (<i>Hordeum</i> spp) Volunteer Barley Volunteer Wheat	3 leaf to early tillering	125mL	9 weeks	--	Apply when weeds are actively growing*.
Lentils				12 weeks	4 weeks	
Lucerne				-	4 weeks	
Lupins				6 weeks	4 weeks	
Medic pasture				-	14 days	
Mung beans	Wild Oats (<i>Avena</i> spp)	3 leaf to mid tillering	65mL or 125mL	12 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*.
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.

BOOM SPRAYING: SUMMER GROWING WEEDS: ALL STATES.

CROPS	WEEDS CONTROLLED	WEEDS STAGE	RATE/Ha	WITHHOLDING PERIOD		CRITICAL COMMENTS
				HARVEST	GRAZING	
Beetroot	Awnless	3 leaf to	250mL or	14 days	--	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
Cabbage	Barnyard	early tillering	375mL	9 weeks	--	
Cauliflower	Grass			14 weeks	--	
Carrots	(<i>Echinochloa colona</i>)			10 weeks	--	
Cucumbers*				14 days	--	
Green beans	Barnyard Grass			5 weeks	4 weeks	
Honey dew melons*	(<i>Echinochloa crusgalli</i>)			9 weeks	--	
Lucerne	Couch grass	2 – 4 leaf seedling	250mL	-	4 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*.
Mung beans	(<i>Cynodon dactylon</i>)			12 weeks	4 weeks	
Navy beans				12 weeks	4 weeks	
Onions				18 weeks	--	
Peanuts				11 weeks	11 weeks	
Potatoes					--	
Pineapples	Dinebra	3 leaf to	125mL or	10 weeks	--	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
Pumpkins*	(<i>Dinebra retroflexa</i>)	early tillering	190mL	7 days	--	
Radish				9 weeks	--	
Soybeans				21 days	--	
Sunflower				12 weeks	4 weeks	
Tomatoes				9 weeks	11 weeks	
	Crowsfoot grass	2 leaf to	250mL	4 weeks	--	Apply when weeds are actively growing*.
	(<i>Eleusine indica</i>)	early tillering				
	Foxtail Millet	2 leaf to	125mL or			Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
	(<i>Setaria italica</i>)	early tillering	250mL			
	Columbus grass	2 leaf to 3 tiller	250mL or			
	(<i>Sorghum x alnum</i>)		375mL			
	Johnson grass					
	(<i>Sorghum halepense</i>)					
	Liverseed grass					
	(<i>Urochloa panicoides</i>)					
	Rhodes grass	3 leaf to	125mL or			Apply when weeds are actively growing*.
	(<i>Chloris gayana</i>)	early tillering	250mL			
	Stink grass					
	(<i>Eragrostis ciliaris</i>)					
	Queensland Blue grass	3 leaf to	250mL			
	(<i>Dichanthium sericeum</i>)	early tillering				
	Summer grass	3 leaf to	250mL or			Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
	(<i>Digitaria ciliaris</i>)	early tillering	500mL			

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

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	Seedling to Established Clumps	65 mL	12 weeks	4 weeks	Always add a surfactant/wetting agent at the recommended rate – see section on “Use of Surfactant/Wetting agent” for details.
Clover & subclover pastures	grass			--	14 days	
	(<i>Eleusine indica</i>)					
Cucumbers*	Paspalum	Seedling 2 leaf to early tillering	125 mL	14 days	--	
Faba beans	(<i>Paspalum dilatatum</i>)			12 weeks	4 weeks	
Field peas				9 weeks	4 weeks	
Grapes	Johnson grass	Rhizome 2 leaf to early tillering	125 mL	--	--	
Green beans	(<i>Sorghum halepense</i>)			5 weeks	4 weeks	
Honey dew melons*				9 weeks	--	
Lentils				12 weeks	4 weeks	
Lucerne	Kikuyu (<i>Pennisetum Clandestinum</i>)	Seedling to Established plants	125 mL	--	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				18 weeks	--	
Peanuts				11 weeks	11 weeks	
Pineapples				7 days	--	
Potatoes				10 weeks	--	
Pumpkins*				9 weeks	--	
Radish				21 days	--	
Soy beans				12 weeks	4 weeks	
Sunflowers				9 weeks	11 weeks	
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.