

Front panel



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

AGVANTAGE QPE 100 EC

HERBICIDE

ACTIVE CONSTITUENT: 99.5 g/L QUIZALOFOP-P-ETHYL
SOLVENT: 801 g/L HYDROCARBON LIQUID

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

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USING THIS PRODUCT

Contents: 5L, 10L, 20L, 110L

Distributed by: Agvantage Wholesale Group
Cnr Cross Keys & Pt Wakefield Rd
Cavan SA 5094
02 9889 5400

Back panel

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 AgVantage QPE 100 EC Herbicide with other materials. When storing keep from contact with fertilisers, fungicides and seeds.

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 point 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 500mm 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 and product.

SAFETY DIRECTIONS

Will irritate the 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 shields 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: 13 11 26). If swallowed, do NOT induce vomiting. Give a glass of water.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which is available from the supplier.


Conditions of Sale

agVantage Wholesale Group warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. agVantage Wholesale Group gives only those warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. agVantage Wholesale Group declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. agVantage Wholesale Group is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

APVMA Approval No: 69997/62259

Batch No:

Date of Manufacture:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Contains Quizalofop-p-ethyl)	
UN No. 3082	
IN AN EMERGENCY DIAL 000, POLICE OR FIRE BRIGADE	FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 1800 033 111 (24 HOURS)

Booklet

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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.

Crop	Weeds Controlled	Weeds Stage	Rate/ha	Withholding Period		Critical Comments
				Harvest	Grazing	
Beetroot	Annual	3 leaf to	300 mL or	14 days	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
Cabbage	Ryegrass	early	375 mL	9 weeks	-	
Canola	(<i>Lolium rigidum</i>)	tillering		11 weeks	4 weeks	
Carrots	Brome			10 weeks	-	
Cauliflower	Grasses			14 days	-	
Chickpeas	(<i>Bromus spp.</i>)			12 weeks	4 weeks	
Clover & Sub-clover pastures	Barley grass	3 leaf to	250 mL	-	14 days	Apply when weeds are actively growing*
Cucumbers•	(<i>Hordeum spp</i>)	early		14 days	-	
Faba Beans	Volunteer	tillering		12 weeks	4 weeks	
Field Peas	Barley			9 weeks	4 weeks	
Honey Dew Melons•	Volunteer			9 weeks	-	
Lentils	Wheat			12 weeks	4 weeks	
Lucerne	Wild Oats	3 leaf to	125 mL or	-	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*
Lupins	(<i>Avena spp</i>)	mid	250 mL	6 weeks	4 weeks	
Medic pasture		tillering		-	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 AgVantage QPE 100 EC Herbicide before the five true leaf stage of the crop.

BOOM SPRAYING: SUMMER GROWING WEEDS: ALL STATES

Crop	Weeds Controlled	Weeds Stage	Rate/ha	Withholding Period		Critical Comments
				Harvest	Grazing	
Beetroot	Awnless	3 leaf to early	500 mL 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 Grass	tillering	750 mL	9 weeks	-	
Cauliflower	(<i>Echinochloa colona</i>)			14 weeks	-	
Carrots				10 weeks	-	
Cucumbers•	Barnyard Grass			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*.
Green Beans	(<i>Echinochloa crusgalli</i>)			5 weeks	4 weeks	
Honey Dew				9 weeks	-	
Melons•	Couch grass	2 – 4 leaf	500 mL	-	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*.
Lucerne	(<i>Cynodon dactylon</i>)	seedling		12 weeks	4 weeks	
Mung beans				12 weeks	4 weeks	
Navy Beans				12 weeks	4 weeks	
Onions	Dinebra	3 leaf to early	250 mL or	18 weeks	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
Peanuts	(<i>Dinebra retroflexa</i>)	tillering	375 mL	11 weeks	11 weeks	
Potatoes				10 weeks	-	
Pineapples	Crowsfoot grass	2 leaf to early	500 mL	7 days	-	Apply when weeds are actively growing*.
Pumpkins•	(<i>Eleusine indica</i>)	tillering		9 weeks	-	
Radish	Foxtail Millet	2 leaf to early	250 mL or	21 days	-	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
Soybeans	(<i>Setaria italica</i>)	tillering	500 mL	12 weeks	4 weeks	
Sunflower	Columbus grass	2 leaf to 3	500 mL or	9 weeks	11 weeks	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*
Tomatoes	(<i>Sorghum x almum</i>)	tiller	750 mL	4 weeks	-	
	Johnson grass					
	(<i>Sorghum halepense</i>)					
	Liverseed grass					
	(<i>Orochloa panicoides</i>)					
	Rhodes grass	3 leaf to early	250 mL or			Apply when weeds are actively growing*.
	(<i>Chloris gayana</i>)	tillering	500 mL			
	Stink grass					
	(<i>Eragrostis cilianensis</i>)					
	Queensland	3 leaf to early	500 mL			Apply when weeds are actively growing*.
	Blue grass	tillering				
	(<i>Dichanthium sericeum</i>)					
	Summer grass	3 leaf to early	500 mL 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>)	tillering	1000 mL			

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

• Important: DO NOT apply AgVantage QPE 100 EC Herbicide before the five true leaf stage of the crop.

HAND GUN SPRAYING: ALL STATES

Crop	Weeds Controlled	Weeds Stage	Rate/100 L	Withholding Period		Critical Comments
				Harvest	Grazing	
Beetroot	Awnless Barnyard Grass (<i>Echinochloa colona</i>) Crowsfoot grass (<i>Eleusine indica</i>) Paspalum (<i>Paspalum dilatatum</i>) Johnson grass (<i>Sorghum halepense</i>) Kikuyu (<i>Pennisetum landestinum</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 & Sub-clover pastures				-	14 days	
Cucumbers•				14 days	-	
Faba Beans				12 weeks	4 weeks	
Field Peas				9 weeks	4 weeks	
Grapes	-	-				
Green beans	250 mL	Seedling to Established Clumps	250 mL	5 weeks	4 weeks	
Honey Dew				9 weeks	-	
Melons•				12 weeks	4 weeks	
Lentils				-	4 weeks	
Lucerne				6 weeks	4 weeks	
Lupins				-	14 days	
Medic pasture				12 weeks	4 weeks	
Mung beans				12 weeks	4 weeks	
Navy Beans				-	-	
Non crop				18 weeks	-	
Onions	11 weeks	11 weeks				
Peanuts	7 days	-				
Pineapples	10 weeks	-				
Potatoes	9 weeks	-				
Pumpkins•	21 days	-				
Radish	12 weeks	4 weeks				
Soy beans	9 weeks	11 weeks				
Sunflowers	4 weeks	-				
Tomatoes	12 weeks	4 weeks				
Vetch	-	-				

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

• Important: DO NOT apply AgVantage QPE 100 EC Herbicide I before the five true leaf stage of the crop.

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 APPLY LATER THAN 14 DAYS BEFORE HARVEST.

CABBAGE, FIELD PEAS, HONEY DEW MELON, PUMPKINS, SUNFLOWERS: DO NOT APPLY LATER THAN 9 WEEKS BEFORE HARVEST.

CARROTS, POTATOES: DO NOT APPLY LATER THAN 10 WEEKS BEFORE HARVEST.

CHICKPEAS, FABA BEANS, LENTILS, MUNG BEANS, NAVY BEANS, SOYBEANS, VETCH: DO NOT APPLY LATER THAN 12 WEEKS BEFORE HARVEST.

CANOLA, PEANUTS: DO NOT APPLY LATER THAN 11 WEEKS BEFORE HARVEST.

GREEN BEANS: DO NOT APPLY LATER THAN 5 WEEKS BEFORE HARVEST.

LUPINS: DO NOT APPLY LATER THAN 6 WEEKS BEFORE HARVEST.

ONIONS: DO NOT APPLY LATER THAN 18 WEEKS BEFORE HARVEST.

PINEAPPLES: DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.

RADISH: DO NOT APPLY LATER THAN 21 DAYS BEFORE HARVEST.

TOMATOES: DO NOT APPLY LATER THAN 4 WEEKS BEFORE HARVEST.

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.

GENERAL INSTRUCTIONS

AgVantage QPE 100 EC Herbicide is an emulsifiable concentrate herbicide used post emergence for the control of certain grass weeds in specified broadleaf crops.

AgVantage QPE 100 EC 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	A	HERBICIDE
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agVantage QPE 100 EC Herbicide is a member of the "Fop" (aryloxyphenoxy propionate) group of herbicides. agVantage QPE 100 EC Herbicide has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management AgVantage QPE 100 EC Herbicide is a Group A herbicide.

Some naturally occurring weed biotypes resistant to agVantage QPE 100 EC 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 AgVantage QPE 100 EC Herbicide or other Group A herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, agVantage Wholesale Group accepts no liability for any losses that may result from failure of agVantage QPE 100 EC Herbicide to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, 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 AgVantage QPE 100 EC Herbicide to curcubit 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, Harmony M, chlorsulfuron, triasulfuron, ensure that the recommended sprayer cleanup procedure for the product previously sprayed has been followed, before using the equipment for the application of agVantage QPE 100 EC Herbicide.

agVantage QPE 100 EC Herbicide is an emulsifiable concentrate to be mixed with water and applied as a spray. Add the amount of agVantage QPE 100 EC directly to the spray tank and mix well. If tank mixing with carbendazim or mancozeb fungicides, add these to the spray tank and mix thoroughly BEFORE adding agVantage QPE 100 EC Herbicide.

Use of a Surfactant/Wetting Agent

agVantage QPE 100 EC 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/100 L of final spray volume (i.e. 1% v/v).
- 2) A non-ionic surfactant (1000 gai/L strength) at 200 mL/100L of final spray volume (i.e. 0.2% v/v).

DO NOT use the non-ionic surfactant + mineral oil adjuvant system on vegetable crops, use a non-ionic surfactant only.

DO NOT use a spray oil alone, a surfactant must always be added.

DO NOT use non-methylated spray oils of crop origin as spray adjuvants.

Compatibilities

agVantage QPE 100 EC Herbicide is compatible with the insecticides deltamethrin, omethoate, dimethoate, methomyl, endosulfan, the fungicides carbendazim and mancozeb and the herbicides diflufenican and clopyralid **when using the surfactant only adjuvant system.**

AgVantage QPE 100 EC Herbicide is compatible with the herbicide sethoxydim and clethodim **when using the surfactant plus spray oil adjuvant system.**

When tank mixing agVantage QPE 100 EC Herbicide and broadleaf herbicides, DO NOT use a spray oil, use a surfactant only.

Application of agVantage QPE 100 EC Herbicide /diflufenican tank mix may result in crop effects. The effect is temporary and usually appears as yellow or white bleaching on the leaves. New growth and subsequent yield, however, will not be affected.

DO NOT add crop oil to tank mixtures of agVantage QPE 100 EC Herbicide /diflufenican.

To minimise crop effects apply agVantage QPE 100 EC 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 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.

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 agVantage QPE 100 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 sulfonylurea herbicides eg metsulfuron methyl, thifensulfuron methyl, chlorsulfuron, triasulfuron or terbutryn, ensure that the recommended sprayer cleanup procedure of the product previously sprayed has been followed before using the equipment for the application of AgVantage QPE 100 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 agVantage QPE 100 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

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FIRST AID

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.

MATERIAL SAFETY DATA SHEET

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