

PREPARED
HERE

Smart Target 200

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

HERBICIDE

ACTIVE CONSTITUENTS: 200 g/L QUIZALOFOP-P-ETHYL
SOLVENTS: 592 g/L HYDROCARBON LIQUID
150 g/L N-METHYL-PYRROLIDONE

Group **A** Herbicide

For the control of certain grass weeds in broadleaf
crops as per in Directions for Use Table.



IMPORTANT:
READ THIS LEAFLET BEFORE USE

Crop Smart
better crop protection

04/18

APVMA APPROVAL NO: 66622/54035

Contents: 20, 110 & 1000L

Distributed by:
Crop Smart Pty.Ltd
ABN: 28 093 927 961
2409/4 Daydream Street
Warriewood NSW 2102
Tel: 1300 783 481 Fax: 1300 783 491

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-SMART TARGET PLANTS

DO NOT plant cereal crops into the treated area for a period of 18 weeks after application of **Smart Smart Target 200 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

(20L only)

DO NOT store tank-mixes of Smart Smart Target 200 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 bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

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 Crop Smart Pty Ltd.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes. When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, and elbow-length PVC 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

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.

MATERIAL SAFETY DATA SHEET

For further information refer to Material Safety Data Sheet (MSDS) which is available from Crop Smart Pty Ltd.

NOTICE TO BUYER

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. No warranty of merchantability for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under abnormal conditions.

**THIS PRODUCT IS CLASSIFIED AS A DANGEROUS
GOOD UNDER THE AUSTRALIAN CODE FOR THE
TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.**

**IN A TRANSPORT
EMERGENCY DIAL 000
POLICE OR FIRE BRIGADE**

**FOR SPECIALIST ADVICE,
CONTACT EMERGENCY
RESPONSE COORDINATOR:
1300 783 481
ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID
N.O.S (CONTAINS QUIZALOFOP-P-ETHYL)
UN 3082**



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 Cabbage Canola Carrots Cauliflower Chickpeas Clover & subclover pastures Cucumbers•	Annual Ryegrass (<i>Lolium rigidum</i>) Brome Grasses (<i>Bromus</i> spp.)	3 leaf to early tillering	150mL or 190mL	14 days 9 weeks 11 weeks 10 weeks 14 days 12 weeks -	-- -- 4 weeks -- -- 4 weeks 14 days	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
Faba beans Field peas Honey dew melons• Lentils Lucerne Lupins	Barley grass (<i>Hordeum</i> spp) Volunteer Barley Volunteer Wheat	3 leaf to early tillering	125mL	12 weeks 9 weeks 9 weeks 12 weeks -	4 weeks 4 weeks -- 4 weeks 4 weeks	Apply when weeds are actively growing*.
Medic pasture Mung beans Navy beans Onions Potatoes Pumpkins• Radish Tomatoes Vetch	Wild Oats (<i>Avena</i> spp)	3 leaf to mid tillering	65mL or 125mL	- 12 weeks 12 weeks 18 weeks 10 weeks 9 weeks 21 days 4 weeks 12 weeks	14 days 4 weeks 4 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*.

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

•**IMPORTANT: DO NOT** apply **Smart Smart Target 200** 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/H ^a	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	250mL or 375mL	14 days 9 weeks 14 weeks 10 weeks 14 days	-- -- -- --	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
	Barnyard Grass (<i>Echinochloa crusgalli</i>)			5 weeks	4 weeks	
	Couch grass (<i>Cynodon dactylon</i>)	2 – 4 leaf seedling	250mL	9 weeks -	-- 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*.
	Dinebra (<i>Dinebra retroflexa</i>)	3 leaf to early tillering	125mL or 190mL	11 weeks 10 weeks 7 days 9 weeks 21 days 12 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	9 weeks 4 weeks	11 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 almum</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*.

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

•**IMPORTANT: DO NOT** apply **Smart Smart Target 200** 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 Cabbage Cauliflower Canola Carrots Chickpeas Clover & subclover pastures	Awnless Barnyard Grass (<i>Echinochloa colona</i>) Crowsfoot grass (<i>Eleusine indica</i>)	3 leaf to early tillering	65 mL	14 days 9 weeks 14 days 11 weeks 10 weeks 12 weeks --	-- -- -- 4 weeks -- 4 weeks 14 days	Apply when weeds are actively growing. Use a minimum of 800L of prepared spray/ha. Thoroughly wet Smart Target weeds (especially well established clumps) without causing runoff. Repeat spraying may be necessary for perennial grass species.
Cucumbers• Faba beans Field peas	Paspalum (<i>Paspalum dilatatum</i>)	Seedling to Established Clumps		14 days 12 weeks 9 weeks	-- 4 weeks 4 weeks	
Grapes Green beans Honey dew melons•	Johnson grass (<i>Sorghum halepense</i>)	Seedling 2 leaf to early tillering		-- 5 weeks	-- 4 weeks	
Lentils Lucerne Lupins Medic pasture Mung beans Navy beans Non crop Onions Peanuts Pineapples Potatoes Pumpkins• Radish Soy beans Sunflowers Tomatoes Vetch	Kikuyu (<i>Pennisetum Clandestinum</i>)	Seedling to Established plants	125 mL	9 weeks 12 weeks 6 weeks -- 12 weeks 12 weeks -- 18 weeks 11 weeks 7 days 10 weeks 9 weeks 21 days 12 weeks 9 weeks 4 weeks 12 weeks	-- 4 weeks 4 weeks 14 days 4 weeks 4 weeks 14 days 4 weeks 4 weeks -- -- -- -- 11 weeks -- -- 4 weeks 11 weeks -- 4 weeks	

•**IMPORTANT: DO NOT** apply **Smart Smart Target 200** 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): 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

Smart Smart Target 200 Herbicide is an emulsifiable concentrate herbicide used post emergence for the control of certain grass weeds in specified broadleaf crops.

Smart Smart Target 200 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 **Smart Smart Target 200** 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 **Smart Smart Target 200** Herbicide. **Smart Smart Target 200** Herbicide is an emulsifiable concentrate to be mixed with water and applied as a spray. Add the required amount of **Smart Smart Target 200** 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 **Smart Smart Target 200** 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

Smart Smart Target 200 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). Smart Wet1000 (non-ionic surfactant, 1000g/L) at 200 mL/100L of final spray volume (i.e. 0.2%V/V).

Incompatibilities

DO NOT use **Smart Smart Target 200** Herbicide with mineral based crop oils (eg Smart Up Spray Oil Adjuvant, D-C-Trate[#]) or non-methylated spray oils of crop origin (eg Smart Crop Spray Oil, Codacide[#] oil, Synetrol[#] oil) as spray adjuvants.

Compatibilities

Smart Smart Target 200 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. **Smart Smart Target 200 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. **Smart Smart Target 200** 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 **Smart Smart Target 200** Herbicide /diflufenican.

Application of **Smart Smart Target 200** 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 **Smart Smart Target 200** 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 boomspray widths and shut off spray booms while starting, slowing or stopping.

Sprayer Cleanup

Thoroughly clean all traces of **Smart Smart Target 200** 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 Smart Metsulfuron 600 WG Herbicide, thifensulfuron methyl, chlorsulfuron, Smart Triasulfuron 750 WG Herbicide ensure that the recommended sprayer cleanup procedure of the product previously sprayed has been followed before using the equipment for the application of **Smart Smart Target 200** Herbicide.

RESISTANT WEEDS WARNING

GROUP A HERBICIDE

Smart Smart Target 200 Herbicide is a member of the “Fop” (aryloxyphenoxy propionate) group of herbicides. **Smart Smart Target 200** Herbicide has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management **Smart Smart Target 200** Herbicide is a Group A Herbicide. Some naturally occurring weed biotypes resistant to **Smart Smart Target 200** 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 **Smart Smart Target 200** Herbicide or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Crop Smart Pty Ltd accepts no liability for any losses that may result from failure of **Smart Smart Target 200** Herbicide to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier consultant, Crop Smart’s representative, local Department of Agriculture or Primary Industries.

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-SMART TARGET PLANTS

DO NOT plant cereal crops into the treated area for a period of 18 weeks after application of **Smart Smart Target 200** Herbicide.

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PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

(20L only)

DO NOT store tank-mixes of **Smart Smart Target 200** 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 bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Refillable Containers:

(1000L only)

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Envirodrum 110L Mini Bulk Returnable Container:

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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. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

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