

# POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Smart Target 200

## HERBICIDE

ACTIVE CONSTITUENT: 200g/L QUIZALOFOP-P-ETHYL

SOLVENTS: 592g/L HYDROCARBON LIQUID

150g/L N-METHYL-PYRROLIDONE

GROUP

1

HERBICIDE

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**

Batch Number:

Date of Manufacture:

Scan QR Code to  
access SDS  
on mobile device



APVMA Approval Number: 66622/141551

**Crop Smart**  
better crop protection

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



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**GROUP 1 HERBICIDE**

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**IMPORTANT: READ THIS LEAFLET BEFORE USE**

**CONTENTS: 20 – 1000 LITRES**

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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 Cabbage Canola Carrots Cauliflower Chickpeas Clover & subclover pastures Cucumbers• Faba beans Field peas Honey dew melons• Lentils Lucerne Lupins Medic pasture Mung beans Navy beans Onions Potatoes Pumpkins• Radish Tomatoes Vetch	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	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
	Barley grass ( <i>Hordeum</i> spp) Volunteer Barley Volunteer Wheat	3 leaf to early tillering	125mL	- 14 days	-- 14 days	Apply when weeds are actively growing*.
	Wild Oats ( <i>Avena</i> spp)	3 leaf to mid tillering	65mL or 125mL	14 days 12 weeks 9 weeks 9 weeks 12 weeks - 6 weeks - 12 weeks 12 weeks 18 weeks 10 weeks 9 weeks 21 days 4 weeks 12 weeks	-- 4 weeks 4 weeks -- 4 weeks 4 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 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/ 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	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*.
				9 weeks	--	
	Couch grass ( <i>Cynodon dactylon</i> )	2 - 4 leaf seedling	250mL	14 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*.
				10 weeks	--	
	Dinebra ( <i>Dinebra retroflexa</i> )	3 leaf to early tillering	125mL or 190mL	14 days	--	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
				12 weeks	--	
	Crowsfoot grass ( <i>Eleusine indica</i> )	2 leaf to early tillering	250mL	18 weeks	--	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
				11 weeks	11 weeks	
	Foxtail Millet ( <i>Setaria italica</i> )	2 leaf to early tillering	125mL or 250mL	10 weeks	--	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.
				7 days	--	
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	9 weeks	--	Apply when weeds are actively growing. Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering*.	
			21 days	--		
Rhodes grass ( <i>Chloris gayana</i> ) Stink grass ( <i>Eragrostis cilianensis</i> )	3 leaf to early tillering	125mL or 250mL	12 weeks	4 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		
Queensland Blue grass ( <i>Dichanthium sericeum</i> )	3 leaf to early tillering	250mL	4 weeks	--	Apply when weeds are actively growing*.	
Summer grass ( <i>Digitaria ciliaris</i> )	3 leaf to early tillering	250mL or 500mL	9 weeks	11 weeks	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 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 Cucumbers• Faba beans Field peas Grapes Green beans Honey dew melons• Lentils Lucerne Lupins Medic pasture Mung beans Navy beans Non crop Onions Peanuts Pineapples Potatoes Pumpkins• Radish Soy beans Sunflowers Tomatoes Vetch	Awnless Barnyard Grass ( <i>Echinochloa colona</i> ) Crowsfoot grass ( <i>Eleusine indica</i> )	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. Always add a surfactant/wetting agent at the recommended rate - see section on "Use of Surfactant/Wetting agent" for details.			
				9 weeks	--				
				14 days	--				
				11 weeks	4 weeks				
				10 weeks	--				
				12 weeks	4 weeks				
				--	14 days				
				14 days	--				
				12 weeks	4 weeks				
				9 weeks	4 weeks				
				--	--				
				5 weeks	4 weeks				
9 weeks	--								
Paspalum ( <i>Paspalum dilatatum</i> )	Seedling to Established Clumps			12 weeks	4 weeks				
				--	4 weeks				
				6 weeks	4 weeks				
				--	14 days				
				12 weeks	4 weeks				
				12 weeks	4 weeks				
				--	--				
				18 weeks	--				
				11 weeks	11 weeks				
				7 days	--				
				10 weeks	--				
				9 weeks	--				
Johnson grass ( <i>Sorghum halepense</i> )	Seedling 2 leaf to early tillering			21 days	--				
				12 weeks	4 weeks				
				9 weeks	11 weeks				
				4 weeks	--				
				12 weeks	4 weeks				
				Kikuyu ( <i>Pennisetum clandestinum</i> )	Seedling to Established plants		125 mL	12 weeks	4 weeks
								9 weeks	11 weeks
								4 weeks	--
								12 weeks	4 weeks

•IMPORTANT: DO NOT apply 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 Target 200 Herbicide** is an emulsifiable concentrate herbicide used post emergence for the control of certain grass weeds in specified broadleaf crops.

**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 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 sulfonyleurea 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 Target 200 Herbicide**. **Smart Target 200 Herbicide** is an emulsifiable concentrate to be mixed with water and applied as a spray. Add the required amount of **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 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 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 Wet 1000 (non-ionic surfactant, 1000g/L) at 200 mL/100L of final spray volume (i.e. 0.2%V/V).

### Incompatibilities

**DO NOT** use **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, Syntretol# oil) as spray adjuvants.

Compatibilities

**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 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 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 Target 200 Herbicide** /diflufenican.

Application of **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 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 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 sulfonyleurea 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 Target 200 Herbicide**.

### RESISTANT WEEDS WARNING

## GROUP 1 HERBICIDE

**Smart Target 200 Herbicide** is a member of the "Fop" (aryloxyphenoxy propanate) group of herbicides. **Smart Target 200 Herbicide** has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management **Smart Target 200 Herbicide** is a Group 1 Herbicide. Some naturally occurring weed biotypes resistant to **Smart Target 200 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 **Smart Target 200 Herbicide** or other Group 1 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 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-TARGET PLANTS

**DO NOT** plant cereal crops into the treated area for a period of 18 weeks after application of **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 watercourses with the chemical or used containers.

### STORAGE AND DISPOSAL

**DO NOT** store tank-mixes of **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.

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.

#### **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**

Harmful if inhaled or swallowed. May irritate nose and throat. Will irritate skin. May irritate the eyes.

Avoid contact with eyes and skin. **DO NOT** inhale spray mist. When opening the container, mixing, loading and preparing the spray wear cotton overall 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, immediate wash area with soap and water. Wash hands after use. After each day use wash gloves and contaminated clothing.

#### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand: 0800 764 766.

If swallowed, **DO NOT** induce vomiting. If in eyes wash out immediately with water.

#### **SAFETY DATA SHEET**

For further information refer to Safety Data Sheet (SDS) 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.

# Not a trademark of Crop Smart Pty.Ltd.

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

**FOR SPECIALIST ADVICE, CONTACT EMERGENCY RESPONSE COORDINATOR: 1300  
783 481**

**ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID  
N.O.S (CONTAINS QUIZALOFOP-P-ETHYL) UN 3082**



#### **Additional GHS Statement**

May be fatal if swallowed and enters airways. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider. Causes eye & skin irritation. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes.

Avoid release to the environment.

**IN AN EMERGENCY  
DIAL 000  
POLICE OR FIRE BRIGADE**

**EMERGENCY CONTACT CHEMWATCH  
1800 951 288  
AUSTRALIA WIDE, 24 HOURS**

