


blank page

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

Apparent 

Bromoxynil + MCPA

SELECTIVE HERBICIDE

ACTIVE CONSTITUENT: 200 g/L BROMOXYNIL
present as the n-octanoyl ester
200 g/L MCPA present as the ethyl hexyl ester

SOLVENT: 343 g/L LIQUID HYDROCARBON

GROUP C | I HERBICIDE

For the control of weeds in wheat, oats, barley, cereal rye, triticale, linseed, grass pastures and turf, as per the Directions for Use Table.
IMPORTANT: Read this booklet before use.

APVMA Approval No. 68401/58289

APPARENT PTY LTD A.C.N. 143 724 136
Suite G.08 | 762 Toorak Road, Glen Iris VIC 3146 Australia
M 0411 227 338 | E enquiries@apparentag.com.au www.apparentag.com.au

126

DIRECTIONS FOR USE

RESTRAINTS

DO NOT spray if weeds are wilted by dry or cold weather or if crops are at a susceptible stage, or if rain is likely within 4 hours.

DO NOT apply if frosts are imminent.

DO NOT apply to diseased or frost affected crops or turf.

SITUATION & CROP	WEEDS CONTROLLED	WEED STAGE
Wheat, Barley, Cereal Rye, Oats and Triticale; Linseed; Grass Pastures	Amsinckia (<i>Amsinckia</i> spp.), Capeweed (<i>Arctotheca calendula</i>), Chamomile (<i>Matricaria matricarioides</i>), Charlock (<i>Sinapis arvensis</i>), Corn Gromwell (Ironweed, Sheepweed) (<i>Buglossoides arvensis</i>), Fat Hen (<i>Chenopodium album</i>), Field Madder (<i>Sherardia arvensis</i>), Hexham scent (King Island Melilot) (<i>Melilotus indica</i>), Horned poppy (<i>Glaucium flavum</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), Lesser swinecress (<i>Coronopus didymus</i>), Mexican poppy (<i>Argemone ochroleuca</i>), Mintweed (<i>Salvia reflexa</i>), Paterson's curse (Salvation Jane) (<i>Echium plantagineum</i>), Rough poppy (<i>Papaver hybridum</i>), Saffron Thistle (<i>Carthamus lanatus</i>), Shepherd's Purse (<i>Capsella bursa-pastoris</i>), Slender thistles (<i>Carduus tenuiflorus</i> , <i>C. Pycnocephalus</i>), Tree hogweed (<i>Polygonum patulum</i>), Turnip weed (Giant Mustard) (<i>Rapistrum rugosum</i>), Wild Radish (<i>Raphanus raphanistrum</i>), Wild Turnip (<i>Brassica toumefortii</i>),	Plants up to the 6 leaf stage but no more than 50 mm in diameter
		Plants up to the 8 leaf stage but no more than 75 mm in diameter
		Plants up to the 4 leaf stage but not more than 35 mm in diameter
	Black bindweed¥ (Climbing buckwheat) (<i>Fallopia convolvulus</i>), Common peppergrass (<i>Lepidium africanum</i>), Mustards (<i>Sisymbrium</i> spp.), Purple Calandrinia (<i>Calandrinia mexziesii</i>)	Plants up to the 6 leaf stage but not more than 50 mm in diameter
		Plants up to the 8 leaf stage but not more than 75 mm in diameter

STATE	RATE	CRITICAL COMMENTS
WA only	750 mL/ha	CROP STAGE: Wheat, Barley, Cereal rye, Oats and Triticale: 3 leaf to fully tillered stage (Z13 - Z30) for rates of 750 mL to 1.4 L/ha; 5 leaf to fully tillered stage (Z15 - 30) for rate of 2 L/ha (NSW, ACT, Vic, SA, WA, Tas only); or early tillering to fully tillered stage (Z21 - 30) (Qld only). Linseed: 50 to 150 mm high. DO NOT apply to linseed by aircraft.
Qld, NSW, Vic, Tas, SA, NT, ACT only	1.4 L/ha 2 L/ha	¥ If spraying Black bindweed when wheat, barley, cereal rye, oats, triticale or linseed is more than 300 mm high, increase spray volume to 200 L/ha. For optimal control, apply only when the weeds are actively growing. In the early stages following spraying, temporary wilting of crop and pasture may occur. Crop scorch may occur, particularly on oats if treatment is delayed to later stages of growth. Refer to the General Instructions.
WA only	1.4 L/ha	
WA only	1 L/ha	Avoid application when maximum daily temperatures above 20° C occur for a few days after application. DO NOT apply to crops or pastures undersown with lucerne, clover or medics unless some damage is acceptable.
All States	1.4 L/ha	
	2 L/ha	

SITUATION & CROP (cont)	WEEDS CONTROLLED	WEED STAGE
Wheat, Barley, Cereal Rye, Oats and Triticale; Linseed; Grass Pastures	Fumitory (<i>Fumaria</i> spp.), Three cornered Jack (Doublegee, Spiny emex), (<i>Emex australis</i>)	Plants up to the 3 leaf stage but not more than 50 mm in diameter
		Plants up to the 4 leaf stage but not more than 60 mm in diameter
		Plants up to the 5 leaf stage but not more than 75 mm in diameter
		Plants up to the 6 leaf stage but not more than 85 mm in diameter
	Variegated thistle (<i>Silybum marianum</i>), Wireweed (Hogweed)^ (<i>Polygonum aviculare</i>)	Plants up to the 4 leaf stage but not more than 35 mm in diameter
		Plants up to the 6 leaf stage but not more than 50 mm in diameter
Mountain sorrel (<i>Oxalis acetosella</i>), Three-horned bedstraw (<i>Galium tricomutum</i>)	Plants up to the 6 leaf stage	
	Plants up to the 8 leaf stage	
Cleavers (<i>Galium aparine</i>)	2 - 4 stem stage and 1 - 3 whorls of leaves per stem	
Wheat, Barley, Cereal rye, Oats and Triticale	Common sowthistle (<i>Sonchus oleraceus</i>)	2 - 4 stem stage and 1 - 3 whorls of leaves per stem
		Up to 4 leaves
		4 to 8 leaves

STATE	RATE	CRITICAL COMMENTS
Qld, NSW, ACT, Vic, Tas, SA only	1.4 L/ha	<p>CROP STAGE: Wheat, Barley, Cereal rye, Oats and Triticale: 3 leaf to fully tillered stage (Z13 - 30) for rates of 750 mL to 1.4 L/ha; 5 leaf to fully tillered stage (Z15 - 30) for rate of 2 L/ha (NSW, ACT, Vic, SA, WA, Tas only); or early tillering to fully tillered stage (Z21 - 30) (Qld only). Linseed: 50 to 150 mm high. DO NOT apply to linseed by aircraft. For optimal control, apply only when the weeds are actively growing. In the early stages following spraying, temporary wilting of crop and pasture may occur. Crop scorch may occur, particularly on oats if treatment is delayed to later stages of growth. Refer to the General Instructions. Avoid application when maximum daily temperatures above 20° C occur, or are likely to occur for a few days after application. DO NOT apply to crops or pastures undersown with lucerne, clover or medics unless some damage is acceptable. ^ Where Wireweed (Hogweed) occurs in red soils of low fertility, it has been found to be less susceptible. In these circumstances use 2 L/ha.</p>
WA only	750 mL/ha	
Qld, NSW, Vic, Tas, SA, NT, ACT only	2 L/ha	
WA only	1.4 L/ha	
	750 mL/ha	
Qld, NSW, Vic, Tas, SA, NT, ACT only	1.4 L/ha	
	2 L/ha	
WA only	1.4 L/ha	
	750 mL/ha	
WA only	1.4 L/ha	
	750 mL/ha	
WA only	750 mL/ha	Apply under good growing conditions. Avoid spraying when soil is dry. DO NOT spray under frosty conditions. In early stages following spraying, temporary wilting of the crop may occur. Avoid application when maximum daily temperatures above 20° C or are likely to occur for a few days after application. DO NOT apply to crops undersown with lucerne, clover or medics unless some damage is acceptable.
Northern NSW and Qld only	1.4 L/ha	<p>CROP STAGES: Wheat, Barley, Oats, Triticale: 3 leaf to full tillering (Z13 – 30). Use as early as possible to avoid shading of weeds by the crop. Strictly for use on small weeds early in crop before shading out. If Group B resistance is suspected, or weeds have grown through a previous application of chlorsulfuron apply 2.1 L/ha. Use a minimum spray volume of 70 L/ha.</p>
	2/1 L/ha	<p>CROP STAGES: Wheat, Barley, Oats, Triticale: 3 leaf to full tillering (Z13 – 30). Use as early as possible to avoid shading of weeds by the crop.</p>

SITUATION & CROP	WEEDS CONTROLLED	WEED STAGE
Turf, established Couch (incl. Queensland blue), Kikuyu, Paspalum, Buffalo, Fescue, Bent & Rye lawns	Bindy-eye, Jo-Jo (Onehunga), Cudweed, Dandelion, Catsear, Plantains, Thistles, Oxalis, Capeweed, Creeping buttercup, Fleabane, Clover (not Tas.)	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD

DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary and Protection Statements, Storage and Disposal, Safety Directions and First Aid Instructions.

MIXING

To ensure even mixing, half fill the spray tank with clean water and add the required amount of this product. Agitate thoroughly, and then add the remainder of water. Agitate again before spraying commences.

APPLICATION

DO NOT use rain-drop or air-induction nozzles as coverage of weeds may not be adequate.

Boom Sprayer: Calibrate the machine before use to ensure that the correct application rate is obtained. Check height of boom above the crop to ensure that the spray is evenly distributed.

Cereals: Apply 50 - 200 L of water per hectare. Use higher water volume (min. 100 L/ha) where the weed infestation is heavy, the crop cover is dense or when tank-mixing with Nugrass*. Complete coverage of weeds is essential.

Linseed: Apply a minimum of 220 L of water per hectare.

Turf: Apply a minimum of 500 L of water per hectare.

Aerial Application: Apply a minimum of 22 L of water per hectare or 30 L of water per hectare if tank-mixing with Nugrass. Markers should always move upwind before aircraft passes overhead. Application by Micronaire equipment may give variable results. Markers should always move upwind before aircraft passes overhead. Application by Micronaire equipment may give variable results.

EQUIPMENT MAINTENANCE

After use, wash application equipment thoroughly with Nufarm Tank & Equipment Cleaner and rinse several times.

COMPATIBILITY

This product is physically compatible in the spray tank with one of the following herbicides or insecticides in wheat and barley only. Associate*, Nugrass, Kamba*500, MCPA, Dimethoate, Omethoate, Endosulfan or Chlorpyrifos.

STATE	RATE	CRITICAL COMMENTS
All States	300 mL/100 L water OR 60 mL/100 m ²	Apply evenly over the area to be treated. DO NOT mow turf for 2 days after treatment.

When mixed with Associate* or Kamba*500, DO NOT apply to cereals undersown with lucerne. When mixed with Nugrass*, DO NOT exceed 1.4 L of this product per hectare. Observe all instructions on the mixture label. As formulations of other manufacturers' products are beyond the control of Apparent Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

RESISTANT WEEDS WARNING

GROUP C I HERBICIDE

Apparent Bromoxynil + MCPA Selective Herbicide is a member of both the nitriles and the phenoxy groups of herbicides. Apparent Bromoxynil + MCPA Selective Herbicide has both the inhibitors of photosynthesis at photosystem II and disruptors of plant cell growth mode of action. For weed resistance management Apparent Bromoxynil + MCPA Selective Herbicide is a Group C and a Group I Herbicide. Some naturally-occurring weed biotypes resistant to Apparent Bromoxynil + MCPA Selective Herbicide and other Group C and Group I 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 this product or other Group C and Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Bromoxynil + MCPA Selective Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals. DO NOT apply by misting machines.

Note: Maximum daily temperatures at or above 20°C at application, or on days following treatment, may result in seedling mortality and established plants may be damaged.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

PROTECTION OF LIVESTOCK

Grazing Precaution

Sprayed weeds may become more palatable to stock and a higher intake of some weeds may result in stock poisoning and death from causes such as nitrate poisoning. Care should be taken especially where capeweed, Paterson's curse and variegated thistles predominate in the pasture. Avoid grazing with young or breeding stock. DO NOT graze horses or pigs on Paterson's curse and variegated thistles predominate in the pasture. If in doubt, contact your nearest Department of Agriculture.

STORAGE AND DISPOSAL

(20 L)

Store in closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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 containers 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 containers below 500 mm 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 (1000 L only)

Store in the 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 110 L 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 the Micro Matic valve or the 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 Apparent Pty Ltd.

SAFETY DIRECTIONS

Product is poisonous if inhaled or swallowed. Attacks the eyes and will irritate the skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC gloves and face-shield or goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. 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

The use of Apparent Bromoxynil + MCPA Selective Herbicide being beyond the control of the manufacturer no warranty expressed or implied is given by Apparent Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Apparent Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

***Other trademark.**