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

**Apparent** 

## Wrench

### HERBICIDE

ACTIVE CONSTITUENTS: 420 g/L MCPA present as potassium salt  
26 g/L PICLORAM present as potassium salt

**GROUP 4 HERBICIDE**

For the control of climbing buckwheat, common sowthistle, skeleton weed, capeweed, doublegee and other broadleaf weeds in winter cereals and linseed crops.

**IMPORTANT: READ THIS BOOKLET BEFORE USE.**

APVMA Approval No: 68016/124786

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**DIRECTIONS FOR USE****RESTRAINTS:**

DO NOT apply to crops or weeds which are not actively growing or to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected) or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT use in high winds.

DO NOT spray if rain is likely within four hours.

DO NOT apply close to, or on areas, containing roots of desirable vegetation, where treated soil may be washed into areas growing, or to be planted to, desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted to, susceptible crops or plants.

DO NOT move soil, which may have been sprayed, to areas where desirable plants are to be grown.

**Table 1: NSW AND QLD ONLY**

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE
Barley, Canary grass, Oats, Triticale, Wheat	Apply from early tillering (when the main shoot has 4 - 5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30))	Climbing buckwheat (black bindweed)	Up to 6 leaf
		Common sowthistle Doublegee (spiny emex) Mustard Saffron thistle Skeleton weed Turnip weed Variegated thistle Wild radish Wild turnip NZ spinach Wireweed	Young rosette or seedling plants up to 8 true leaves
Barley, Triticale, Wheat		Common sowthistle NZ spinach Wireweed	Apply up to 4 leaf stage
Linseed Linola	Apply when crop is 8 – 20 cm high	Climbing buckwheat (black bindweed), Doublegee (spiny emex), Mustard, Saffron thistle, Skeleton weed, Variegated thistle, Wild radish, Wild turnip	Young rosette or seedling plants up to 4 true leaves
		NZ spinach Wireweed	Up to 2 leaf

RATE/ha	CRITICAL COMMENTS
1 L	For best control of climbing buckwheat apply at early tillering as this weed becomes increasingly difficult to control as it becomes larger. To avoid possible crop damage, DO NOT spray outside the early tillering to early jointing stage.
	Suppression only – spray early.
800 mL + 5 g Metsulfuron 600 WG Herbicide	Add a 100% concentrate non-ionic surfactant at the rate of 100 mL/100L of water.
670 to 840 mL	Use the higher rate when climbing buckwheat is present or weed growth is advanced.
	Suppression only – spray early.

**Table 2: WA ONLY**

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE
Barley, Canary grass, Oats, Triticale, Wheat	Apply from 3 leaf to early tillering (when the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30))	Capeweed Doublegee Saffron thistle Turnip weed Wild mustard Wild turnip	Young rosette or seedling plants up to 4 true leaves
		Capeweed Doublegee Saffron thistle Turnip weed Wild mustard Wild turnip	Young rosette or seedling plants up to 6 true leaves
	Apply from early to mid-tillering	Wireweed Docks Sorrel	Up to 4 leaf Active growth

RATE/ha	CRITICAL COMMENTS
600 mL	To avoid possible crop damage DO NOT spray outside the early tillering to early jointing stage.  <b>Caution:</b> DO NOT use this product where the land to be treated will be sown to lupins or peas the following year or where a volunteer medic or subclover pasture is required in the following season. Only use when a cereal crop will follow the cereal crop to be treated.
750 mL	
	Suppression only – spray early.
1 L	

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

**WITHHOLDING PERIODS:**

**DO NOT GRAZE OR CUT CROPS OR PASTURES FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.**

**HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.**

**MINIMUM RECROPPING PERIODS**

Picloram, one of the active constituents in this product, remains active in the soil for extended periods depending on rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter.

**Northern New South Wales and Queensland**

Plantback periods for rotational crops following application of Apparent Wrench Herbicide at 1L/ha on black cracking clay soils (Table below). These plantback periods are based on a normal rainfall pattern. During drought may be significantly longer.

Winter Crop	Plantback Period (Months)	Summer Crop	Plantback Period (Months)
Wheat	2	Sorghum	2
Barley	2	Cotton	12
Canola	4	Mungbean	12
Chickpea	6	Soybean	12
Faba Bean	4		
Lucerne	9		

## Western Australia and other soil types not mentioned above

DO NOT plant susceptible broadleaf crops within 12 months of applying the product. Cereal crops and grasses can be sown safely after using Apparent Wrench Herbicide in crop weed control.

## GENERAL INSTRUCTIONS

### MIXING

Apparent Wrench Herbicide can be mixed with water only. Mix only sufficient chemical for each day's use and avoid storing mix. Half fill the spray tank with water and add the required quantity of Apparent Wrench Herbicide and complete filling. Agitate continuously to ensure thorough mixing before and during application.

**Tank Mixture:** Wettable powder or dry flowable formulation (eg. water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts and then emulsifiable concentrate formulations (eg Starane\* 200). Add spraying oils and surfactants (wettors) last, if required.

### COMPATIBILITY

Apparent Wrench Herbicide is compatible with the following:  
(Read and follow all label directions, restraints, plant-back periods, withholding periods and safety directions on the partner label as well as those on the Apparent Wrench Herbicide label).

#### Broadleaf Herbicides

Eclipse\* Herbicide  
Lontrel\* Herbicide  
MCPA amine  
MCPA LVE  
Metsulfuron-methyl  
Starane\* 200 Herbicide  
2,4-D amine

#### Grass Herbicides

Hoegrass\* (annual ryegrass only)  
Topik\* 240 EC (wild oats and phalaris only)

#### Adjuvants

Wetter 1000 (when mixed with Metsulfuron-methyl)  
Uptake Spraying Oil (when mixed with Topik\* 240 EC).

#### Insecticides

Lemat\*  
Rogor\*  
Apparent Wrench Herbicide is not compatible with zinc products (such as Zinc dextrose and Zinc

heptahydrate), copper salts (such as sulphate) and manganese sulphate. Do not use with hard water or water clarified with alum.

## APPLICATION METHODS

### Ground Application (Boom)

Apply Apparent Wrench Herbicide with an accurately calibrated boom sprayer, in at least 50 L/ha water. Flat fan nozzles are recommended using pressures in the range 200 to 300 kPa. Set the boom at a height to ensure a double overlap of the nozzle pattern.

### Aerial Application

Apply in a minimum volume of 35L/ha water. Use calibrated equipment. Do not apply with smaller than medium to coarse spray droplets according to the ASABE S572 definition for standard nozzles. DO NOT apply Apparent Wrench Herbicide by aircraft unless wind speed is more than 3km/hr and less than 15km/hr as measured at the application site and/or the air temperature is above 30°C, or when the wind is blowing toward susceptible crops.

### CLEANING SPRAY EQUIPMENT

Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto wasteland away from desirable plants and watercourses.

**Rinsing:** After using Apparent Wrench Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain and clean any filters in the tank, pump, lines, hoses and nozzles. After cleaning the tank as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

### Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS):

Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (e.g. Liquid Surf\*, Omo\* or Drive\*) at 500 mL/100 L water or the powder equivalent at 500 g/100 L and circulate throughout the system for at least 15 minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

### RESISTANT WEEDS WARNING

#### GROUP 4 HERBICIDE

Apparent Wrench Herbicide contains members of the pyridine and phenoxy groups of herbicides. The product has the disruptors of plant cell growth mode of action. For weed resistance management Apparent Wrench Herbicide is a Group 4 Herbicide. Some naturally-occurring weed biotypes resistant to Apparent Wrench Herbicide and other Group 4 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 Apparent Wrench Herbicide or other Group 4 Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, AIRR Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Wrench Herbicide to control resistant

weeds. Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local AIRR Apparent Pty Ltd representative.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

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

### **PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

DO NOT use on land to be cultivated for growing susceptible crops within 12 months of applying Apparent Wrench Herbicide. Legumes, vines, vegetables, cotton, tomatoes, ornamentals and many other plants are highly susceptible to this herbicide during both growing and dormant periods. Cereal crops and grasses can be sown safely after using Apparent Wrench Herbicide.

This product will kill legumes (clovers, medics) present in the crop at the time of spraying. In the season following application of this product the regeneration or establishment of sensitive legumes (clover, medics, peas, lupins) may be adversely affected by soil residues.

Cereals crops may be reduced in height following use of this product. This height reduction is a normal response and does not represent any yield loss.

DO NOT allow spray to drift onto susceptible crops, such as cotton, tomatoes, vines, fruit, potatoes, vegetables, ornamentals, tobacco, lupins and other legumes, safflower, sugar beet, hops, flowers or shade trees.

DO NOT apply under weather conditions, or from spraying equipment, that may cause drift onto nearby susceptible plant/crops, cropping lands or pastures.

DO NOT apply close to or on areas containing roots of desirable vegetation, where treated soil may be washed to areas growing, or to be planted to desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing or to be planted to susceptible crops or plants.

DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown.

DO NOT apply Apparent Wrench Herbicide to crops or pastures, which are to be used for the production of compost or mulches for use with susceptible crops or plants. The use of straw, hay or other plant material treated with Apparent Wrench I Herbicide for composting or mulching susceptible crops may damage these crops.

### **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 near food, feedstuffs, fertilisers or seed.

#### ***20L pack sizes***

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.

#### ***For refillable containers (110 L and 1000 L pack sizes)***

Empty contents fully into application equipment. Close all valves and return to point of supply/designated collection point/other specific collection details for refill or storage.

### **SMALL SPILL MANAGEMENT**

Wear protective equipment (See SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (See STORAGE AND DISPOSAL section). If necessary wash the spill area with an alkali detergent and water and absorb, as above, the wash liquid for disposal as described above.

### **SAFETY DIRECTIONS**

Harmful if swallowed. Will attack eyes and will irritate the skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. If product in eyes, wash it out immediately with water. DO NOT inhale spray mist. When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves and goggles. 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, goggles and contaminated clothing.

### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 764 766.

### **SAFETY DATA SHEET**

For further information, refer to Safety Data Sheet (SDS) which is available from the supplier.

### **CONDITIONS OF SALE**

The use of Apparent Wrench Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by AIRR 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 AIRR Apparent Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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