

# CAUTION

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

MacPhersons

# TRIBENURON-METHYL 750 WG Herbicide



ACTIVE CONSTITUENT: 750 g/kg TRIBENURON-METHYL

GROUP **B** HERBICIDE

For the control of certain broadleaf weeds in fallows and pre-crop situations as per the DIRECTIONS FOR USE table.

IMPORTANT: READ THIS LEAFLET BEFORE USE  
APVMA APPROVAL NO. : 67722/56727

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Mac Phersons

## DIRECTIONS FOR USE

### RESTRAINTS:

**DO NOT** apply to weeds that are not actively growing or stressed by any cause such as adverse weather conditions, drought and water logging. Broadleaf weeds under stress frequently become less susceptible to herbicide activity. This may result in an incomplete kill or only growth suppression. If heavy grazing has occurred allow regrowth before spraying.  
**DO NOT** apply if rainfall is expected within 2 hours.

### Minimum volumes of prepared spray to be applied:

- Ground application - 50L/ha
- Aerial application - 20L/ha

Use prepared spray suspensions within two days of preparation, otherwise significant breakdown may occur.

### MacPhersons TRIBENURON-METHYL 750 WDG Herbicide alone – NSW & Qld Only

SITUATION	WEEDS CONTROLLED	RATE g/ha	WEEDS GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
FALLOW and PRE-CROP (- refer to Crop Options section for minimum intervals between application and sowing)	Amaranthus / Boggabri weed ( <i>Amaranthus mitchelli</i> )	25	Apply up to the 10-leaf stage	As a herbicide Resistance countering measure, <b>DO NOT</b> use an ALS inhibitor herbicide in the crop following the use of MacPhersons TRIBENURON-METHYL 750 WG Herbicide as a preceding fallow or pre-crop treatment.
	Caltrop / Yellowvine ( <i>Tribulus terrestris</i> )			
	Sowthistle / Milk Thistle ( <i>Sonchus oleraceus</i> )			
	Deadnettle ( <i>Lamium amplexicaule</i> )	25	Apply up to the 6-leaf stage	If weeds are at a more advanced growth stage and /or are present in high numbers (greater than 50 per m2) use a Glyphosate mixture as specified in the MacPhersons TRIBENURON-METHYL 750 WG Herbicide and Glyphosate Tank Mixes table.
	Medics (Native) ( <i>Medicago spp.</i> )	30	Apply up to 5cm diameter	
	New Zealand Spinach ( <i>Tetragonia tetragonoides</i> )	20	Apply up to the 10-leaf stage	
	Prickly Lettuce ( <i>Lactuca serriola</i> )	30	Apply up to the 4-leaf stage	If weeds are at a more advanced growth stage and/or are present in high numbers (greater than 50 per m2) use a Glyphosate mixture as specified in Tank Mixes table.
	Turnip Weed ( <i>Rapistrum rugosum</i> )	20	Apply up to flowering	As a herbicide Resistance countering measure, <b>DO NOT</b> use an ALS inhibitor herbicide in the crop following the use of MacPhersons TRIBENURON-METHYL 750 WG Herbicide as a preceding fallow or pre-crop treatment.

Always add non-ionic surfactant (1000g/L – non buffering type) at 100 mL/100L (0.1% v/v) of final volume. When applying MacPhersons TRIBENURON-METHYL 750 WG Herbicide alone by air, in addition to a non-ionic surfactant, add a mineral spray oil at 1L/100L (1% v/v) of final spray volume.

### MacPhersons TRIBENURON-METHYL 750 WG HERBICIDE + Glyphosate Tank Mixes Table - NSW & Qld Only

For the control of these weeds in addition to those in the MacPhersons TRIBENURON-METHYL 750 WG Herbicide alone table.

SITUATION	WEEDS CONTROLLED	RATE g/ha	WEEDS GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
FALLOW and PRE-CROP (- refer to Crop Options section for minimum intervals between application and sowing)	Black Bindweed ( <i>Fallopia convolvulus</i> )	25 plus Glyphosate at Rate 1*	Apply up to the 10-leaf stage	For best control, apply to small actively growing weeds. Larger weeds are more difficult to control.
	Common Thornapple ( <i>Datura stramonium</i> )	20 plus Glyphosate at Rate 2*	Apply up to 8-leaf stage	
	Deadnettle ( <i>Lamium amplexicaule</i> )	25 plus Glyphosate at Rate 2*	Apply up to 10-leaf stage	
	Mintweed ( <i>Salvia reflexa</i> )	15 plus Glyphosate at Rate 1*		
	Pigweed / Portulaca ( <i>Portulaca oleracea</i> )	20 plus Glyphosate at Rate 2*		
	Prickly Lettuce ( <i>Lactuca serriola</i> )		Apply up to 6-leaf stage	

#### \*Glyphosate Rates

Rate 1 : MacPhersons Glyphosate 700 Soluble Granular Herbicide @ 385g/ha or Glyphosate 450g/L @ 600mL/ha  
Rate 2 : MacPhersons Glyphosate 700 Soluble Granular Herbicide @ 260g/ha or Glyphosate 450g/L @ 400mL/ha

Always add non-ionic surfactant (1000g/L – non buffering type) at 100 mL/100L (0.1% v/v) of final volume.

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

**WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED**

### GENERAL INSTRUCTIONS

Best results are obtained when MacPhersons TRIBENURON-METHYL 750 WG Herbicide is applied to young actively growing weeds. The rate will depend on weed spectrum at time of application. The degree of control and duration of effect are dependent on rate used, sensitivity and size of target weeds and environmental conditions at the time of and following application.

MacPhersons TRIBENURON-METHYL 750 WG Herbicide stops growth of susceptible weeds rapidly. However, typical symptoms of dying weeds (discolouration) may not be noticeable for 1 to 3 weeks after application depending on the environmental conditions and susceptibility. Warm, moist conditions following treatment promote the activity of MacPhersons TRIBENURON-METHYL 750 WG Herbicide, while cold, dry conditions delay activity. Weeds hardened-off by cold weather and/or drought stress will be less susceptible.

Where recommended the addition of Glyphosate will enhance knockdown and control of weeds. It also helps minimise the risk of resistant weeds occurring.

### RESISTANT WEEDS WARNING

GROUP **B** HERBICIDE

MacPhersons TRIBENURON-METHYL 750 WG Herbicide is a member of the Sulfonylurea group of herbicides. MacPhersons TRIBENURON-METHYL 750 WG Herbicide has the Inhibitor of Acetolactate Synthase (ALS) mode of action. For weed resistance management MacPhersons TRIBENURON-METHYL 750 WG Herbicide is a Group B Herbicide. Some naturally occurring weed biotypes resistant to MacPhersons TRIBENURON-METHYL 750 WG Herbicide and other Group B 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 MacPhersons TRIBENURON-METHYL 750 WG Herbicide or other Group B Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, RONIC International Pty Ltd accepts no liability for any losses that may result from failure of MacPhersons TRIBENURON-METHYL 750 WG Herbicide to control resistant weeds. Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be taken to prevent seed set of these survivors.  
**DO NOT** use Group B Herbicide against the same weed in the crop following the use of MacPhersons TRIBENURON-METHYL 750 WG Herbicide alone either as a fallow or pre-crop treatment. This does NOT apply if the fallow or pre-crop use if MacPhersons TRIBENURON-METHYL 750 WG Herbicide was tank mixed with Glyphosate.

Avoid the prolonged use of Group B Herbicide on the same weed population.

If the user suspects that as ALS inhibitor weed is present, MacPhersons TRIBENURON-METHYL 750 WG Herbicide or other Group B Herbicides recommended for the control of those weeds should not be used. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local RONIC International Pty Ltd representative.

### CROP SAFETY

**DO NOT** apply chlorsulfuron, metsulfuron-methyl or triasulfuron products in a tank mix with MacPhersons TRIBENURON-METHYL 750 WG Herbicide as a fallow or pre-crop treatment.

### SPRAY PREPARATION

MacPhersons TRIBENURON-METHYL 750 WG Herbicide is a dry flowable formulation to be mixed with water and applied as a spray. Partially fill the spray tank with water.

Measure the amount of MacPhersons TRIBENURON-METHYL 750 WG Herbicide required for the area to be sprayed. Add the correct amount of MacPhersons TRIBENURON-METHYL 750 WG Herbicide to the spray tank with the agitation system engaged. Top up to the correct volume with water. The material must be kept in suspension at all times by continuous agitation. In tank mixes, MacPhersons TRIBENURON-METHYL 750 WG Herbicide must be in suspension before adding the companion herbicide or surfactant/wetting agent.

## COMPATIBILITY

**MacPhersons TRIBENURON-METHYL 750 WG Herbicide** is compatible with Glyphosate herbicides.

## USE OF SURFACTANT/WETTING AGENT

Always add non-ionic surfactant (1000g/L – non-buffering type) at 100 mL/100L (0.1% v/v) of final spray volume. When applying **MacPhersons TRIBENURON-METHYL 750 WG Herbicide** alone by air in addition to a non-ionic surfactant add a mineral spray oil at 1L/100L (1% v/v) of final spray volume.

## GROUND SPRAYING

Use a boom spray properly calibrated to a constant speed and rate of delivery to ensure thorough coverage and a uniform spray pattern. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping. Apply a minimum of 50L prepared spray/ha.

## AERIAL SPRAYING

Apply a minimum of 20L/ha water. Application in 30L/ha will improve performance reliability. Avoid spraying in still conditions and in winds likely to cause drift onto adjacent sensitive crops or fallow areas likely to be planted to these crops - **see Crop Options section**. Turn off spray boom whilst passing over creeks and dams.

**DO NOT** apply when a temperature air inversion is likely to occur.

## SPRAYER CLEANUP

To avoid subsequent injury to crops immediately after spraying thoroughly remove all traces of **MacPhersons TRIBENURON-METHYL 750 WG Herbicide** from mixing and spray equipment as follows:

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water adding household ammonia to give a 1% solution (equivalent ratios include 1/3 litre household ammonia product, containing 9.5% ammonia) for each 100 litres of tank volume. Agitate, and then flush the boom and hoses with the cleansing solution. Top up with water making sure the tank is completely full and allow standing for 15 minutes with agitation engaged. Again flush the boom and hoses and drain tank completely.
4. Nozzles and screens should be removed and cleaned separately with ammonia solution at the same concentration as used for the sprayer.
5. Rinse the tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
6. **DO NOT** spray the tank rinsate onto sensitive crop or land intended for cropping with sensitive crop.

**NOTE:** IF not possible to drain the tank completely, step 3 must be repeated before going on to step 4.

## CROP OPTIONS

Land previously treated with **MacPhersons TRIBENURON-METHYL 750 WG Herbicide** may be sown to any of the specified crops after the interval indicated in the following table:

Minimum Interval	Crops (Note 2)
3 days	Barley, Oats, Wheat
7 or 21 days (Note 1)	Maize, Mungbeans, Sorghum, Soybeans, Sunflowers

**Note 1:** **MacPhersons TRIBENURON-METHYL 750 WG Herbicide** is broken down in soil, primarily by chemical hydrolysis, but to a lesser degree by microbial degradation. Breakdown is fastest in warm, wet acid soils and slower in cold, dry alkaline soils. For the above summer crops, if minimum soil temperatures at planting depth are less than or equal to 15°C for three consecutive days, then plant back intervals should be extended to 21 days.

**Note 2:** As a herbicide resistance countering measure, **DO NOT** use a Group B Herbicide in any of these crops following the use of **MacPhersons TRIBENURON-METHYL 750 WG Herbicide** alone as a preceding fallow or pre-crop treatment. Tolerance of other crops (growth through to maturity) should be determined on a small scale before re-sowing into larger areas.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGETED PLANTS INCLUDING AQUATIC PLANTS.

Injury to or loss of desirable trees, vegetation including aquatic plants may result from failure to observe the following: **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.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

## PROTECTION OF LIVESTOCK

The use pattern is such that a withholding period for harvest or grazing is not required. It is recommended however, not to graze treated areas for 2 to 3 days to ensure adequate control is achieved.

## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Keep from contact with fertilisers, insecticides, fungicides and seeds. **DO NOT** re-use container. Triple or preferably pressure rinse containers before disposal. Add rinsing 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 for appropriate disposal 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 or product

## SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes. When preparing spray wear elbowlength PVC gloves and face shield or goggles. If product in eyes, wash 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 and face shield or goggles.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. **Phone Australia 13 11 26.**

## MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from your supplier.

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

## CONDITIONS OF SALE

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