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



# Metribuzin 750 WG

## HERBICIDE

ACTIVE CONSTITUENT: 750 g/kg METRIBUZIN

**GROUP C HERBICIDE**

For selective weed control in cereals, pastures and other crops including vegetables, as indicated in the directions of use.

**IMPORTANT: Read this booklet before use.**

APVMA Approval No: 65108/50178

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DIRECTIONS FOR USE  
RESTRAINTS

DO NOT apply to crops that are stressed by any cause (such as severe weather conditions, waterlogging, drought, excessive soil acidity, or alkalinity, poor nutrient status, disease, nematodes, or insect damage) as crop injury may result.

Barley: DO NOT apply to crops grown on sandy soils or soils low in organic matter.  
DO NOT apply to Harrington or Morrell varieties.

Peas (field & green): DO NOT apply to Laura, Pennant or White Brunswick varieties as phytotoxicity may occur.  
DO NOT apply any later than one node stage to Alma and Dinkum peas.  
DO NOT spray pea crops in soils or areas where collar or stem rot is likely to occur.

Potatoes: DO NOT apply to crops grown on sandy soils as injury to the crops may result, appearing as chlorosis or minor necrosis.  
DO NOT apply to Kurell potatoes as phytotoxicity may occur.  
DO NOT apply to Atlantic and Pontiac varieties - WA only.  
DO NOT use on dry-grown, non-irrigated crops.

Soybeans: DO NOT use on varieties Cannapolis, Hill and Semstar as crop injury may occur.  
DO NOT use on soils with a calcareous surface layer as crop injury may occur.  
DO NOT apply over atrazine residues as crop injury may result.  
DO NOT apply in combination with soil applied organophosphate insecticides as crop injury may result.  
DO NOT apply to soils with less than 0.5% organic matter as crop injury may result.  
DO NOT apply to dryland soybeans.  
DO NOT apply to soils of pH greater than 8 that are prone to waterlogging as crop injury may occur.

Lupins: DO NOT apply to varieties Danja, Kiev Mutant or Albus Lupins.  
DO NOT apply to Lupin crops that have received 2.5 litres or more of Simazine pre-seeding, or lupin crops that are showing symptoms of Simazine or Atrazine damage.

Crop/Situation	Weeds Controlled	State
Barley	Capeweed, Catsear, Charlock, Chickweed, Common Cotula, Corn Gromwell (Sheepweed, White Ironweed), Corn Spurry, Creeping Speedwell, Crown Beard (Dogweed), Dead nettle ( <i>Henbit Lamium</i> spp.) Dock seedlings, Fat Hen, Field Madder, Fumitory, Hare's Ear (Treacle Mustard), Heliotrope, Hogweed (Wireweed), Horehound, Indian Hedge Mustard, Lesser Swinecress, Mouse-ear Chickweed, Mountain Sorrel, (Purple Calandrinia), Rough Poppy, Scarlet Pimpernel, Scrub Nettle (Stinging Nettle), Shepherds Purse, Sorrel seedlings, Sowthistle, Spiny Emex (Doublegee, Three Cornered Jack(s)), Storksbill, Toad Rush, Wild Radish, Wild Turnip, Winter Grass, Yellow Burrweed	VIC and TAS only
	Buxbaum's Speedwell, Powell's Amaranth, Stagger weed, Sun Spurge, Great Brome	TAS only
Barley All varieties excluding Morrell	Capeweed, Common Cotula, Fumitory, Indian Hedge Mustard, Hogweed (Wireweed), spiny Emex (Doublegee, Three Cornered Jack(s)), Toad Rush, Wild Radish, Wild Turnip, Wireweed, Broome Grass ( <i>Bromus diandrus</i> & <i>.rigidus</i> ), Annual Ryegrass, Barley grass	WA only Sandy- sandy loam soils

Rate g/ha	Critical Comments
180 g (Light sandy soils, ie, sandy loams to loamy Sands) 280 g (Medium soils, loams, silt plus clay 40-60%) 380 g (Heavy soils, clay loams, silt plus clay over 60%)	Apply to moist soils while weeds are young and actively growing and barley plants are at the 5-leaf Stage. DO NOT use on Barley grown on alkaline light sandy soils with pH over 7. DO NOT use on Barley grown on light sandy soils (Tas).
135 - 150 g plus Trifluralin 480 at 1L/ha and incorporated by sowing (IBS)	DO NOT apply to Morell barley. Use the lower rate in lighter soils, and increase for loam soils. Best results in moist soils. Sow below herbicide depth in high weed burdens (>100/m <sup>2</sup> ) there maybe reduced efficacy. Crop safety is improved and weed control more reliable when IBS and trailing harrows are used. Ensure APPARENT METRIBUZIN 750 WG HERBICIDE is fully dispersed in the boom spray tank prior to the addition of trifluralin 480. Refer to the application section of this and the trifluralin 480 label for complete instructions on the product use.

Crop/Situation	Weeds Controlled	State
Chick peas, Faba Beans, Lentils, Vetch	Refer to the barley section.	SA, VIC & WA only
Lupins	Capeweed, Doublegee, Wild Radish	WA only
Peas (Field and Green) (Not Snow Peas)	Refer to Barley section, plus: Buchan Weed, Ball Mustard, Fog Grass (SA only), Dwarf Nettle (Tas only) Suppression only - Subclover and Docks (Broadleaved Dock – Tas only), Wild Oats	NSW, VIC, SA & TAS only
		QLD only
Green Peas (Post emergence) (NOT Snow Peas)		WA only
Potatoes	Refer to Barley section, plus: Buchan Weed, Ball Mustard, Fog Grass (SA only), Dwarf Nettle (Tas only) Suppression only - Subclover and Docks (Broadleaved Dock – Tas only), Wild Oats	ACT, NSW, VIC, SA, TAS & WA only
		VIC, Bellarine Peninsula only
		QLD only (winter crop)

Rate g/ha	Critical Comments
180 g (Light sandy soils, i.e. sandy loams to loamy sands) 280 g (Medium soils, loams, silt plus clay 40-60%) 380 g (Heavy soils, clay loams, silt plus clay over 60%)	Crop: apply post-sowing, pre-emergence at least 5 cm deep. <b>DO NOT apply post-emergence as crop injury will occur.</b> Weeds: Weeds should be from pre-emergence to 3 leaf stage except Wireweed (Hogweed) which should not be beyond the cotyledon stage. Best results for grass and Wireweed control are obtained when rain or irrigation follows within a few days of spraying.
100 - 150 g plus 100mL Diflufenican 500 g/L SC	For use on varieties Gungurru, Meritt, Myalie and Kalya only. DO NOT use on Danja, Kiev Mutant, or Albus lupinus. Suppression of larger Doublegee only. Wild Radish weed size up to 250mm only. Apply to the actively growing lupins from the 3-4 leaf stage onwards. Use higher rates for heavy weed burden and larger weed size. Apply before weeds are covered by crop canopy. DO NOT apply wetting agents or spray oils with this mixture. Some transient leaf burn may occur after application, but this will not affect yield. Best results are obtained if good soil moisture exists at, and is received soon after application. Results may be less effective south of the Great Eastern Highway. Refer to critical comments section on the Diflufenican 500 g/L SC label.
180 g (Light sandy soils, i.e. sandy loams to loamy sands) 280 g (Medium soils, loams, silt plus clay 40-60%) 380 g (Heavy soils, clay (loams, silt plus clay over 60%) 470 g (Kooweerup swamp and volcanic soils)	Crop: Sow crop 3-4 cm deep. Apply after rain when crop is pre-emergence to 3-node stage. For pre-emergence application allow soil to settle for 2-3 days after sowing before spraying. For post-emergence apply to moist soil within 6 weeks of sowing while weeds are young and actively growing. DO NOT spray crops affected with collar or stem rot. (Diagram 1-3 nodes). Weeds: Weeds should be from pre-emergence to 3-leaf stage except Wireweed (Hogweed) which should not be beyond the cotyledon stage. Best results for grass and Wireweed control are obtained when rain or irrigation follows within a few days of spraying.
470 g	Apply to medium soils.
700 g	Apply to soils high in clay or organic matter content when grass weeds are a problem.
370-470 g	Refer to Critical Comments for Peas (Field and Green)
470 g	Apply after rain or irrigation when crop has no more than 6 leaves or is no more than 10 cm high (many plants may be smaller). CROPS HILLED OR MOLDED UP - Hill or mold up as the crop emerges. Apply 1-4 weeks later as soon as weed seedlings have emerged. If surface crusting is not a problem no further cultivation should be necessary. CROPS NOT HILLED AT OR SOON AFTER PLANTING - Spray when weeds seedling have emerged. No cultivation should be necessary until crop is ready for final hilling. Additional cultivation may be necessary when surface crusting is a problem.
700 g	Where summer grasses are a problem.
280 - 370 g	Apply to winter crops on light soils only.
470 g	Apply at first emergence of potatoes to control broadleaf weeds.

Crop/Situation	Weeds Controlled	State
Potatoes	Refer to Barley section, plus: Buchan Weed, Ball Mustard, Fog Grass (SA only), Dwarf Nettle (Tas only) Suppression only - Subclover and Docks (Broadleaved Dock – Tas only), Wild Oats	South QLD Only (summer crop) Atherton Tablelands (QLD only)
Irrigated soybeans	Apple of Peru, Cobbler's Pegs, Pigweed, Noogoora Burr, Common Thornapple, Summer Grass, Caltrop	NSW, NT, ACT only
Irrigated Soybeans (Variety Davis only)	Refer to weeds listed for soybeans plus Anoda weed, Awnless Barnyard grass. Suppression only of Bellvine	QLD, NT only
Tomatoes Inter-row spaces of furrow irrigated tomatoes	Refer to Peas section plus: Barnyard grass, Summer grass, Crowsfoot grass, Blackberry Nightshade, Pigweed, Black Pigweed, Bull's Head, Green Summer Grass	
Wheat (Blade only)	Capeweed, Common Cotula, Doublegee, Fumitory, Indian Hedge Mustard, Toad Rush, Wild Turnip, Wild Radish, Wireweed. Brome Grass ( <i>Bromus diandrus</i> and <i>B. rigidus</i> ) Annual Ryegrass, Barley Grass (refer to critical comments)	WA – Great Northern region only Sandy – sandy loam soils
Wheat and Barley	Toad Rush	ACT, VIC, NSW, SA only
Oats		VIC only
White Lupins	Buchan Weed, Capeweed, Charlock, Chickweed, Deadnettle ( <i>Lamium</i> spp.), Fat Hen, Fumitory (Common and Wall Fumitory - Tas), Wireweed (Hogweed), Lesser Swinncress, Purple Calandrinia, Scarlet Pimpernel, Spiny Emex, Corn Spurry (Spurry - Tas), Stinging Nettle (Dwarf Nettle - Tas), Toad Rush, Winter grass, Heliotrope, Wild Oats, Wild Turnip, Wild Radish. Suppression only: Subclover and docks (Broadleaved dock - Tas)	TAS only

Rate g/ha	Critical Comments
470 - 950 g	Where summer grasses such as <i>Echinochloa crus galli</i> , <i>Eleusine</i> , <i>Digitaria</i> and <i>Panicum</i> spp. are a problem.
950 g	Apply to summer crops at first emergence of potatoes to control broadleaved weeds and more troublesome grasses such as <i>Eleusine</i> , <i>Digitaria</i> and <i>Panicum</i> spp.
500 g	Apply pre-plant incorporated. Where grass weeds other than summer grass are a problem apply in combination with trifluralin 480. (Refer to label for directions for use and incorporation techniques). Use only on soils classified as silty clay-heavy clay.
750 g	
950 g or 9.5 g/100 m of row	Apply in a 1 metre band centered on the interrow either during or shortly after the formation of the final farrow. Apply to soil moist at the surface. DO NOT exceed spraying pressures of 200 kPa as excessive drift will occur.
200 g and incorporated by sowing (IBS) 200 g/ha plus a Trifluralin 480 at 1 L/ha and incorporated by sowing (IBS)	APPARENT METRIBUZIN 750 WG HERBICIDE has increased crop safety and gives more reliable weed control when incorporated by sowing and trailing harrows. Reduced grass control may occur under high weed burdens (>100/m <sup>2</sup> ). To achieve good control of Annual Ryegrass and Barley grass add trifluralin 480 at 1L/ha. <b>Ensure APPARENT METRIBUZIN 750 WG HERBICIDE is fully dispersed in the boom spray tank prior to the addition of trifluralin 480.</b> <b>Refer to the application section of this and the trifluralin 480 label for complete instructions on the product use.</b>
100 g/ha	Toad Rush should be sprayed at the 2-4 leaf stage for optimum control. Spray when soil moisture is plentiful soil is moist to the surface. Take advantage of dew on the soil surface.
400 g	Spring application - Apply after sowing before crop emerges.

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

#### **WITHHOLDING PERIODS:**

**TOMATOES:**

**DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.**

**BARLEY:**

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.**

**OTHER CROPS:**

**NOT REQUIRED IF USED AS DIRECTED.**

**GENERAL INSTRUCTIONS:**

APPARENT METRIBUZIN 750 WG HERBICIDE is non-corrosive to equipment, non-flammable and non-volatile. The degree of weed control and duration of effect will vary with the amount of herbicide applied, soil texture, rainfall and other conditions.

**RESISTANT WEEDS WARNING**

**GROUP C HERBICIDE**

APPARENT METRIBUZIN 750 WG HERBICIDE is a member of the Triazines group of herbicides. APPARENT METRIBUZIN 750 WG HERBICIDE has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management APPARENT METRIBUZIN 750 WG HERBICIDE is a Group C herbicide.

Some naturally occurring weed biotypes resistant to APPARENT METRIBUZIN 750 WG HERBICIDE and other Group C Herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides used repeatedly. These resistant weeds will not be controlled by APPARENT METRIBUZIN 750 WG HERBICIDE or other Group C herbicides.

Annual Ryegrass biotypes resistant to METRIBUZIN and other ryegrass specific herbicides may be resistant to APPARENT METRIBUZIN 750 WG HERBICIDE, Apparent Pty Ltd recommends resistance testing of the population to ensure susceptibility prior to use.

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 METRIBUZIN 750 WG HERBICIDE to control resistant weeds. Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be made to prevent seed set of the survivors.

DO NOT make more than one application of a Group C Herbicide to a crop in the same season, either pre-sowing incorporated by sowing or post crop and weed emergence. If the user suspects that Group C Herbicide resistant weeds are present, APPARENT METRIBUZIN 750 WG HERBICIDE or other Group C Herbicides 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.

**MIXING AND APPLICATION COMPATIBILITY**

APPARENT METRIBUZIN 750 WG HERBICIDE is compatible with the herbicides chlorsulfuron, metsulfuron, glyphosate, pendimethalin, propargite, Brodal Selective Herbicide and trifluralin 480.

**MIXING: General:**

APPARENT METRIBUZIN 750 WG HERBICIDE is a selective systemic herbicide that inhibits photosynthesis in target weeds. APPARENT METRIBUZIN 750 WG HERBICIDE is to be mixed with water and applied as a spray. Before spraying calibrate equipment to determine the quantity of water necessary to uniformly cover the measured area to be treated. Partially fill the tank with water. Measure the amount of herbicide required for the area to be sprayed, adding this amount of APPARENT METRIBUZIN 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 APPARENT METRIBUZIN 750 WG HERBICIDE must be in suspension before adding the companion herbicide or liquid fertilizer.**

**Pre-planting Incorporation Treatment:**

**APPARENT METRIBUZIN 750 WG HERBICIDE plus trifluralin 480:**

Add APPARENT METRIBUZIN 750 WG HERBICIDE to water in spray tank with agitator running as above. Maintain agitation then add trifluralin 480 at the recommended rates (Refer to trifluralin 480 label).

**APPLICATION General:**

Best results are obtained if treatment is made to moist soil and moisture is supplied by rainfall or sprinkler irrigation (6-12mm) within 2 weeks after application. If heavy rains occur soon after application, injury to the crop may result.

**Aerial Application- (Old only)**

Peas - Apply in a minimum of 20 litres water per hectare.

Potatoes - apply in a minimum of 50 litres water per hectare. Avoid overlapping of spray swath, avoid spraying in still conditions and in wind likely to cause drift.

**Pre-emergence and Post-emergence (To crop)**

APPARENT METRIBUZIN 750 WG HERBICIDE should not be applied when weeds are in the young seedling stage (no more than 3 true leaves). Under dry conditions there is no root uptake of APPARENT METRIBUZIN 750 WG HERBICIDE and results against grass weeds and Wireweed (Hogweed) will be poor. Except for small areas, use fixed boom power sprayers set at 200-300kPa (for tomatoes do not exceed 200kPa) and fitted with fan nozzles. Apply a minimum of 80L-100L prepared spray/ha. Openings in screens should be equal to or larger than 50 mesh. Agitate by mechanical or hydraulic means in spray tank. When spraying avoid overlapping. Shut off spray booms whilst starting, turning, slowing or stopping otherwise crop injury may result.

**Pre-plant incorporated - Soybeans only**

**APPARENT METRIBUZIN 750 WG HERBICIDE alone or in combination with trifluralin 480.**

Spray anytime from 4 week before sowing until just before sowing. Use fixed boom power sprayers set at 200-300kPa and fixed with fan nozzles. Use 120-500 litres water per hectare. Openings in screens should be equal to or larger than 80 mesh. Agitate by mechanical or hydraulic means in the spray tank. When spraying avoid overlapping. Shut off spray booms while starting, turning, slowing and stopping otherwise crop injury may result.

**APPARENT METRIBUZIN 750 WG HERBICIDE alone**

If possible spray and incorporate within the same operation. If not possible incorporate spray within 24 hours of application using Go-devil or Lilliston cultivators set to work 5 cm deep.

**APPARENT METRIBUZIN 750 WG HERBICIDE plus trifluralin 480**

After spraying mix soil within 4 hours. Spray and incorporate during the one operation if possible. (Refer to trifluralin 480 label for specific incorporation details.)

**SPRAYER CLEANUP**

Thoroughly clean all traces of APPARENT METRIBUZIN 750 WG HERBICIDE and/or trifluralin 480 from application equipment immediately after use. Flush tank, pump, hoses and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

**PROTECTION OF CROP, NATIVE AND NON-TARGET PLANTS**

DO NOT apply (except as recommended for crop use) or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots, as injury or loss may occur. DO NOT plant treated area to sensitive crops such as brassicas, sunflowers, beetroot, cucurbits, lettuce or onions for at least 6 months following application of Apparent Metribuzin 750 WG Herbicide as crop injury may result. Thoroughly work the soil prior to planting of these crops.

**DRIFT WARNING**

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

**Tomatoes**

DO NOT plant follow-on crops of cucurbits or capsicums when applying APPARENT METRIBUZIN 750 WG HERBICIDE to autumn plantings.

## **CROP SAFETY**

DO NOT apply APPARENT METRIBUZIN 750 WG HERBICIDE to crops that are stressed by any cause (such as severe weather conditions, water logging, drought, excessive soil pH, poor nutrient status, disease, insect or nematode damage) as crop injury may result.

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

DO NOT contaminate streams, rivers or waterways by cleaning of equipment, disposal of wastes or used containers.

## **STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Keep from contact with fertilizers, insecticides and seeds. 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's 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 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.

## **SAFETY DIRECTIONS**

Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. Wash hands after use.

## **FIRST AID**

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

## **SAFETY DATA SHEET**

Additional information is listed in the safety data sheet (SDS). A safety data sheet for Apparent Metribuzin 750 WG Herbicide is available from the supplier.

## **CONDITIONS OF SALE**

The use of Apparent Metribuzin 750 WG Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Apparent Pty Ltd regarding its suitability, fitness or efficacy for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Apparent Pty Ltd accepts no responsibility for any consequences whatsoever resulting from the use of this product.