

# POISON

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

## Ospray Metribuzin 750 WG

### HERBICIDE

ACTIVE CONSTITUENT: 750g/kg METRIBUZIN

GROUP **C** HERBICIDE

FOR SELECTIVE WEED CONTROL IN CEREALS, PASTURES AND OTHER CROPS, INCLUDING VEGETABLES, AS INDICATED IN THE DIRECTIONS FOR USE.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**



0224wm



Ospray Pty Ltd ABN 23 110 199 169

50 Middleton Road  
Cottonvale QLD 4375 AUSTRALIA

Phone: 1800 624 597

[www.ospray.com.au](http://www.ospray.com.au)

Part of the  CHEMINOVA Group

## Contents 5kg

# Ospray **Metribuzin 750 WG**

## **STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, well ventilated area, as cool as possible.

Do not store for prolonged periods in direct sun light.

Keep away from contact with fertilisers, insecticides, fungicides and seeds.

The method of disposal of the container depends on the container type. Read the 'Storage and Disposal' instructions on the leaflet that is attached to the container.

## **SAFETY DIRECTIONS**

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. Repeated minor exposure may have a cumulative poisoning effect. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and a face shield or goggles. Wash hands after use.

## **FIRST AID**

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

## **MATERIAL SAFETY DATA SHEET**

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

## **Manufacturers Warranty and Exclusion of Liability**

Ospray Pty Ltd has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Ospray Pty Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.

APVMA Approval no: 63580/5KG/0209

Batch no:

Date of Manufacture:



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### DIRECTION FOR USE

#### RESTRAINTS

All Situations DO NOT apply until soil is well wetted by the first good soil settling rain after sowing to annual crops.  
DO NOT spray plants under stress from drought, waterlogging, frost or disease.  
DO NOT allow spray to stand overnight.

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, Cooke, Magnet, Helena, Pennant or White Brunswick varieties as phytotoxicity may occur.  
DO NOT apply any later than the 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	RATE/Ha	CRITICAL COMMENTS
Asparagus	False castor oil (thornapples), shepherd's purse, fat hen <b>Winter weed control:</b> Chickweed, shepherd's purse, nettle, deadnettle <b>Spring and summer weed control:</b> False castor oil (thornapples), shepherd's purse, fat hen	Qld, NSW, ACT, Vic, Tas, SA only	700 – 1400 g/ha	<b>Direct seeded asparagus</b> Apply to moist soil as soon as possible after sowing before crop emerges and overhead irrigate. A follow up application may be required 4-8 weeks later for emerged weeds. DO NOT spray until asparagus seedlings are at least 4 cm high. Some temporary burning may occur. Use the higher rate on heavier soils.
		WA only	510-960g/ha	<b>Seedling asparagus (transplanted)</b> DO NOT spray before asparagus seedlings are 4cm high and seedlings have been well established after transplanting. Spray when weeds have emerged when young and actively growing. Use the higher rate on older weeds. <b>Established asparagus in beds</b> Apply immediately after transplanting crowns or preparing beds for cutting and before spears emerge, or after cutting for the season is finished. Overhead irrigate within a few days after spraying. Use the higher rate on heavier soils.
Barley	Toad rush  <b>Controlled:</b> Seedlings of; Capeweed, Catsear, Charlock, Chickweed, Common Cotula, Corn Gromwell (Sheepweed, White Ironweed), Corn Spurry, Creeping Speedwell, Crown Beard (Dogweed), Deadnettle (Henbit Lamium spp.) Dock seedlings, Fat Hen, Field Madder, Fumitory, Hare's Ear (Treachle 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, Threecornered Jack(s)), Storksbill, Toad Rush, Wild Radish, Wild Turnip, Winter Grass, Yellow Burrweed <b>Suppressed:</b> Annual ryegrass, sub-clover. Buxbaum's Speedwell, Powell's Amaranth, Stagger weed, Sun Spurge, Great Brome Buchan weed, fog grass	NSW, ACT only	100g/ha	Toad rush should be sprayed at the 2-4 leaf stage for optimum control. Spray after rain when soil moisture is plentiful and soil is moist to the surface. Take advantage of dew on soil surface.
		Vic, SA & Tas only	180g (Light sandy soils, ie, sandy loams to loamy sands)	Apply to moist soils while weeds are young and actively growing and barley plants are at the 5-leaf stage.  DO NOT spray before barley is at 3 leaf stage or later than 8 weeks after sowing.  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).
			280g (Medium soils, loams, silt plus clay 40-60%)	For effective wild radish, wireweed and ryegrass control, the weed must have emerged before application of Ospray Metribuzin 750 WG Herbicide.
			380g (Heavy soils, clay loams, silt plus clay over 60%)	Wireweed in the cotyledon stage and annual ryegrass with no more than 2 leaves can be controlled provided rain follows within a few days of spraying. Emerged weeds must be young and actively growing.
		Tas only		<b>Refer to the Crop Safety section for additional information.</b>
		SA only		

CROP/SITUATION (cont)	WEEDS CONTROLLED	STATE	RATE/Ha	CRITICAL COMMENTS
Barley All varieties excluding Morrell and Harrington	Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Common Cotula, Doublegee, Fumitory, Indian Hedge Mustard, Toadrush, Wild Radish, Wild Turnip, Wireweed.	WA only Sandy-loam soils	135-150g plus Trifluralin 480 at 1L/ha and incorporated by sowing (IBS)	1. DO NOT apply to Morell or Harrington barley. 2. Correct application and incorporation techniques are critical to obtain optimum performance of Ospray Metribuzin 750 WG Herbicide and Trifluralin mixtures. <b>Ensure</b> all recommendations on the Trifluralin label are followed. 3. Use the lower rate in lighter soils, and the higher rate in heavier soils. 4. Application of this product on alkaline sandy soils (greater than pH7) will result in severe crop damage. 5. Apply to moist soil for best efficacy 6. Seed below herbicide band at 5cm. 7. Reduced control may occur under high weed burdens (>100/m²). 8. The performance of Ospray Metribuzin 750 WG Herbicide and Trifluralin in terms of crop tolerance and weed control may vary with varying climate, soil and crop conditions. This treatment should only be used where no alternatives are available.
Chick peas	Refer to the barley sections with corresponding application rates.  Buchan weed, fog grass (SA only)	Southern NSW, ACT, Vic, SA, WA only	180 g (Light sandy soils, i.e, sandy loams to loamy sands)	Crop: <b>ONLY</b> apply post-sowing, pre-emergence. Crops should be sown at least 5 cm deep. <b>DO NOT apply post-emergence as crop injury will occur.</b>
Faba Beans	Suppressed: Sub-clover	NSW, ACT, Vic, SA, WA only	280g (Medium soils, loams, silt plus clay 40-60%)	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.
Lentils, Vetch		Vic, SA & WA only	380g (Heavy soils, clay loams, silt plus clay over 60%)	DO NOT apply to chickpeas grown on sandy soils, ie silt plus clay less than 40%. The vigour of lentils may be reduced, especially if heavy rain falls after spraying. Weeds should be from pre-emergence to 3 leaf stage except wireweed (hogweed) which should not be beyond cotyledon stage. Best results for grass and wireweed control are obtained when rain or irrigation follows within a few days of spraying.  DO NOT apply by aircraft to chickpeas and faba beans.
Lupins	Capeweed, Doublegee, Wild Radish	WA only	100-150g plus 100mL Brodal®	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 Pelican® label.
Peas (Field, Processing and Green) (Not Snow Peas or Sugar Snap Peas)	<b>Controlled:</b> as per Barley (Vic, SA, Tas) <b>Suppressed:</b> Annual Ryegrass, Sub-Clover. Buxbaum's Speedwell, Powell's Amaranth, Stagger Weed, Sun Spurge Buchan Weed, Fog Grass	Qld, NSW, ACT, Vic, SA & Tas only	180g (Light sandy soils, ie, sandy loams to loamy sands)	Pea crops should be sprayed pre-emergence or early post-emergence of crop and/or weeds, but within 6 weeks after sowing (and not later than 8 weeks in Victorian winter crops). Peas must not be beyond the 3 node stage.
		Tas only	280g (Medium soils, loams, silt plus clay 40-60%)	DO NOT treat peas post-emergence in areas or soils where collar rot, stem rot or black spot are present or are likely to occur.
		SA only	380g (Heavy soils, clay loams, silt plus clay over 60%)  470g (Kooweerup swamp and volcanic soils)	In Tasmania: DO NOT use Ospray Metribuzin 750 WG Herbicide on field peas grown on light, sandy soils.  DO NOT spray Cressy Blue peas post-emergence. Some other varieties, eg Dundal and Wirrega, may be especially sensitive to Ospray Metribuzin 750 WG Herbicide. DO NOT use on a large scale unless it has been ascertained that the variety shows sufficient tolerance under local conditions.  <b>Weeds:</b> 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. Emerged weeds must be young and actively growing.
		QLD only	470g	Apply to medium soils
			700g	Apply to soils high in clay or organic matter content when grass weeds are a problem.
Green Peas (Post emergence) (NOT Snow Peas or Sugar Snap Peas)		WA only	370-470g	Refer to Critical Comments for Peas (Field and Green)
Field Peas.	Capeweed, Common Cotula, Doublegee, Fumitory, Indian Hedge Mustard, Toad Rush, Wild Radish, Wireweed	WA only	180 g/ha – light sandy soils i.e. sandy loam to loamy sands. 280 g/ha – medium soils; clay plus silt content 40 to 60 %. 380 g/ha –heavy soils, clay loam; clay plus silt content over 60%.	Application can be made as either a pre or post emergent application. Pre- emergent – IBS or PSPE: Use an IBS application when furrow seeding using knife points and press wheels and PSPE when application is made to a flat surface following harrows and/or rolling of the paddock. Use low rates or avoid use in sandy textured soils or low rainfall environments – particularly in the northern wheat belt Seed below herbicide band at 5cm Application should be made to moist soil free of clods and residues from previous crops. Rain is required 7 to 10 days after application to activate the metribuzin. Post emergent: Apply as an early post emergent application when the crop is in the 3 node stage and when the weeds are up to the 4 true leaf stage and not more than 120 mm in diameter.
Pigeon Peas	Apple of Peru, Bladder Ketmia, Gooseberry, Noogoora Burr, Cowvine (Peach Vine), Volunteer Cotton, Yellow Vine, False Castor Oil (Thornapples)	Qld, NSW, ACT only – except sandy soils	470g/ha	<b>Rain grown and overhead irrigated crops:</b> Apply immediately after or within a day or two after sowing before crops emerge then irrigate. Otherwise rain after spraying before weeds emerge is necessary to get useful weed control. The longer the time interval between spraying and rain or irrigation the less the effectiveness of the herbicide. Ospray Metribuzin 750 WG Herbicide can be applied to a band centred on crop rows for in-row weed control. Untreated soil between treated bands thrown onto treated areas during subsequent cultivation will reduce weed control along rows. Ospray Metribuzin 750 WG Herbicide can be applied after pre-sowing Trifluralin treatment. Avoid leaving a depression over the row during planting to enhance crop tolerance.
				<b>Furrow irrigated crops:</b> Apply after furrowing out and within two weeks before sowing and incorporate with Lillistone cultivators to finely tilled soil free of emerged weeds. When grass weeds are expected, add Trifluralin at the rate recommended by the manufacturer for the soil type. For post-emergence weed control, apply when the weeds are in the young seedling stage and actively growing provided crop plants have at least 2-trifoliate leaves. DO NOT spray if rain is likely to fall within several hours. Transitory damage may occur to the pigeon pea crop but yields will not be significantly affected.

CROP/SITUATION (cont)	WEEDS CONTROLLED	STATE	RATE/Ha	CRITICAL COMMENTS
Potatoes Some varieties such as Atlantic and red skin varieties are especially sensitive to Ospray Metribuzin 750 WG Herbicide. Damage may occur even at the lowest label rate. <b>DO NOT use on Bison potatoes.</b>	All those previously listed, plus: Buchan Weed, Ball Mustard, Fog Grass (SA only), Dwarf Nettle (Tas only)	All States	470g or 700g	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). <b>CROPS HILLED OR MOLDED UP</b> - 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. <b>CROPS NOT HILLED AT OR SOON AFTER PLANTING</b> - 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. Use higher rate where summer grasses are a problem.
	Suppression only- Annual Ryegrass, Subclover and Docks (Broadleaved Dock – Tas only), Wild Oats, Summer Grasses	Vic, Bellarine Peninsula only	280-370g (winter)	Apply to winter crops on light soils only. Potatoes may be hilled before or after spraying Ospray Metribuzin 750 WG Herbicide. If hilled after spraying a good rain or irrigation is desirable between spraying and hilling. No other cultivation should be necessary. Use higher rate for emerging summer grasses.
		Qld only (Winter crop)	470g	Apply at first emergence of potatoes to control broadleaf weeds. Hill up the crop soon after planting. Irrigate to allow weed seeds to germinate and potatoes to begin emerging. Apply as an overall spray to a soil moist to the surface, before all the crop has emerged.
		South Qld only (Summer crop)	470g - 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.
		Atherton Tablelands (QLD only)	950g	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.
Irrigated Soybeans	Apple of Peru, Cobbler’s Pegs, Pigweed, Noogoora Burr, Common Thornapple, Summer Grass, Caltrop	NSW, NT only	500g	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.
Irrigated Soybeans (Variety Davis only)	Refer to weeds listed for soybeans plus Anoda weed, Awnless Barnyard grass. Suppression only of Bellvine	QLD, NT only	750g	
Soybeans in soils of pH 9 or lower (except cv Triton)	Apple of Peru, Bladder Ketmia, Cowvine (Peach Vine), Gooseberry, Noogoora Burr, Volunteer Cotton	NSW-clay soils in NW only, Qld – clay soils on Darling Downs only	470g	<b>Rain grown and overhead irrigated crops:</b> Apply immediately after or within a day or two after sowing before crops emerge then irrigate. Otherwise rain after spraying before weeds emerge is necessary to get useful weed control. The longer the time interval between spraying and rain or irrigation the less the effectiveness of the herbicide. Ospray Metribuzin 750 WG Herbicide can be applied to a band centred on crop rows for in-row weed control. Untreated soil between treated bands thrown onto treated areas during subsequent cultivation will reduce weed control along rows. Ospray Metribuzin 750 WG Herbicide can be applied after pre-sowing Trifluralin treatment. Avoid leaving a depression over the row during planting to enhance crop tolerance.  <b>Furrow irrigated crops:</b> Apply after furrowing out and within two weeks before sowing and incorporate with Lillistone cultivators to finely tilled soil free of emerged weeds. Where grass weeds are expected, add Trifluralin at the rate recommended by the manufacturer for the soil type. DO NOT use on cv Triton as crop damage may occur.
Tomatoes Inter-row spaces of furrow irrigated tomatoes	Refer to Peas section plus: Barnyard grass, Summer grass, Crowsfoot grass, Blackberry Nighthshade, Pigweed, Black Pigweed, Bull’s Head, Green Summer Grass	Qld, NT only	950g or 9.5g/100 m of row	Apply in a 1 metre band centred on the interrow either during or shortly after the formation of the final farrow. Apply to soil moist at the surface.  Apply through applicators fitted with flat fan nozzles and operated at pressures not exceeding 200kPa to avoid misting and spray drift.  DO NOT follow autumn plantings of tomatoes with cucurbits or capsicums in the same season.
Transplanted Tomatoes	Apple of Peru, Potato Weed	NSW, ACT only	470-770g/ha	Apply as a directed spray to weeds at the base of tomato plants. Use the lower rate when tomatoes have 4-5 expanded leaves or the higher rate when tomatoes beyond this stage and weeds are well established. Accurately calibrated spray equipment, fitted with one flat fan 80° even spray Teejet nozzle operated to deliver 100 to 200L of spray per hectare and angled to avoid tomato leaves should be used. DO NOT apply during or soon after prolonged periods of overcast or cloudy weather. Allow at least two fine, sunny days before spraying. Spray on a sunny fine day. Suppression of other broadleaf weeds such as false castor oil may occur.
Wheat (Blade and Eagle Rock 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	200g and incorporated by sowing (IBS)  200g/ha plus a Trifluralin 480 at 1L/ha and incorporated by sowing (IBS)	Ospray Metribuzin 750 WG Herbicide has increased crop safety and gives more reliable weed control when incorporated by sowing and trailing harrows. Apply to moist soil for best efficacy. Seed below herbicide band at 3-5 cm. Herbicide will not control high weed burdens (>100/m²). To achieve good control of Annual Ryegrass and Barley grass add Trifluralin 480 at 1L/ha. Ospray Metribuzin 750 WG Herbicide plus Trifluralin 480 must be incorporated into the soil within 4 hours of application either by harrowing or by a one pass seeding operation including trailing harrows. <b>Ensure Ospray Metribuzin 750 WG Herbicide is fully dispersed in the boom spray tank prior to the addition of Trifluralin 480.</b>
Wheat	Toad Rush	Vic, ACT, NSW, SA only	100g/ha	Toad rush should be sprayed at the 2-4 leaf stage for optimum control. Spray after rain when soil moisture is plentiful and soil is moist to the surface. Take advantage of dew on the soil surface.
Oats		Vic only		
White Lupins	Buchan Weed, Capeweed, Charlock, Chickweed, Deadnettle (Lamium spp.), Fat Hen, Fumitory (Common and Wall Fumitory- Tas), Wireweed (Hogweed), Lesser Swincrest, 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	400g	Spring application – Apply after sowing but before crop emerges.

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

#### WITHHOLDING PERIOD

**ASPARAGUS** DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.

**TOMATOES** DO NOT APPLY LATER THAN 21 DAYS BEFORE HARVEST.

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

**FIELD PEAS** DO NOT GRAZE OR CUT FOR STOCK FOOD OR FEED FOR POULTRY FOR 14 DAYS AFTER APPLICATION.

**OTHER CROPS: NOT REQUIRED IF USED AS DIRECTED.**

#### GENERAL INSTRUCTIONS:

Ospray 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.

Ospray Metribuzin 750 WG Herbicide is effective against a range of broadleaf weeds and some grasses. Ospray Metribuzin 750 WG Herbicide is absorbed by roots, shoots and leaves of weeds. It can therefore be applied before or after the weeds emerge depending upon the tolerance of the crop being treated. For recently introduced varieties. DO NOT use Ospray Metribuzin 750 WG Herbicide unless it is ascertained that the variety to be treated shows sufficient tolerance to the treatment under local climatic conditions.

Dense weed populations and multiple germinations (especially Wild radish) may require both a pre-emergent and post emergent herbicide treatment to give acceptable control. Ospray Metribuzin 750 WG Herbicide is to be only one of those two treatments.

#### RESISTANT WEEDS WARNING

##### GROUP C HERBICIDE

Ospray Metribuzin 750 WG Herbicide is a member of the triazines group of herbicides. Ospray Metribuzin 750 WG Herbicide has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management Ospray Metribuzin 750 WG Herbicide is a Group C herbicide.

Some naturally- occurring weed biotypes resistant to Ospray Metribuzin 750 WG Herbicide and other inhibitors of photosynthesis at photosystem II herbicide 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 Ospray Metribuzin 750 WG Herbicide or other Inhibitors of photosynthesis at photosystem II herbicides. Annual Ryegrass biotypes resistant to diclofop-methyl and other ryegrass specific herbicides may be resistant to Ospray Metribuzin 750 WG Herbicide. Ospray 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, Ospray India Limited accepts no liability for any losses that may result from the failure of Ospray 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, Ospray 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.

#### EXPORT OF TREATED PRODUCE

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Ospray Metribuzin 750 WG Herbicide. If you are growing edible produce for export, please check with

Ospray Pty Ltd or Department of Agriculture representative for the latest information on MRLs and import tolerances using Metribuzin.

#### To minimise herbicide resistance:

- Avoid dry sowing in heavily weed infested paddocks. Wait for weed germination after the opening rains in weedy paddocks. Use a pre-plant knockdown or cultivation. No weeds should be allowed to survive at this stage.
- DO NOT use Ospray Metribuzin 750WG Herbicide if the area to be treated had a triazine herbicide applied to it last season.
- Watch for escapes, especially in paddocks with a long history of Group C herbicide use.
- DO NOT use Group C herbicides in consecutive years.

#### Resistant Weeds Reporting

Growers should collect plant or seed samples where weeds that are normally susceptible to atrazine, simazine and metribuzin appear resistant, have them tested and seek professional advice.

#### MIXING AND APPLICATION COMPATIBILITY

Ospray Metribuzin 750 WG Herbicide is compatible with the herbicides chlorsulfuron, metsulfuron, glyphosate, pendimethalin, proprargite, Pelican® Herbicide and Trifluralin 480.

DO NOT apply wetting agents, spray oils or grass selective herbicides with Ospray Metribuzin 750WG Herbicide.

#### MIXING:

##### General:

Ospray Metribuzin 750 WG Herbicide is a selective systemic herbicide that inhibits photosynthesis in target weeds.

Ospray 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 Ospray 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 Ospray Metribuzin 750 WG Herbicide must be in suspension before adding the companion herbicide or liquid fertiliser.**

#### Pre-planting Incorporation Treatment:

##### Ospray Metribuzin 750 WG Herbicide plus Trifluralin 480:

Add Ospray 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.

##### Ground spraying

Apply Ospray Metribuzin 750 WG Herbicide through a carefully calibrated boom spray set at 200 to 300kPa pressure (except for tomatoes in Qld only) fitted with fan nozzles. Use a convenient quantity of water (50-100 L/ha). Cone nozzles and other means of application are not satisfactory and should not be used. When spraying avoid over-lapping and shut off spray booms while starting, turning slowly and when stopped. Neglect of these procedures will cause higher rates of application resulting in crop damage. Delay post-emergence spraying if rain is expected within a few hours. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto sensitive areas including, but not limited to, non-target plants/crops, cropping land, pasture, natural streams, rivers, wetlands or waterways and human dwellings.

##### Aerial spraying

**Wind:** Spray only in crosswinds, otherwise uneven coverage may result. DO NOT spray onto inversions or in dead calm conditions. DO NOT spray when winds are light and variable in direction unless smoke indicators or the spray cloud show that the spray is going down into the crop. Spray drift may damage adjoining crops. Make sure that the wind is blowing away from crops for which Ospray Metribuzin 750 WG Herbicide is not recommended.

**Flying:** Fly with the wheels 2 to 3 metres above the crop as “wheels on crop” spraying causes uneven distribution. Track spacing must be uniform and suited to the type of aircraft and crosswind speed.

**Droplet size:** For grasses and vertical weeds, use fine droplets. For horizontal

weeds and drift limitation, use droplets over 200 microns and increase volume.

**Water volume:** Use 20 to 30 L water/ha.

#### Aerial Application

##### (Qld 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)

Ospray 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 Ospray 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

#### Ospray 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 200-300 kPa 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.

#### Ospray 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.

#### Ospray 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 Ospray 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 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. Keep away from contact with fertilisers, insecticides, fungicides and seeds.

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 with sensitive crops such as beetroot, brassicas, capsicum, cotton, cucurbits, lettuce, onions or sunflowers, for at least 6 months (12 months for cucurbits) following application of Ospray Metribuzin 750 WG Herbicide and sowing seed of these sensitive crops as crop injury may result. A longer period may be required following long dry periods between planting these crops. If rates of Ospray Metribuzin 750 WG Herbicide higher than 960 g/ha were used, allow at least 12 months before planting these crops.

Thoroughly work the soil prior to planting of these crops.

**Tomatoes** DO NOT plant follow-on crops of cucurbits or capsicums when applying Ospray Metribuzin 750 WG Herbicide to autumn plantings.

#### CROP SAFETY

DO NOT apply Ospray 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. The use of other herbicides and/or crop oils on broadleaf crops treated with Ospray Metribuzin 750 WG Herbicide may cause severe damage.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

Dangerous to aquatic organisms. 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 dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep away from contact with fertilisers, insecticides, fungicides and seeds.

#### Disposal of plastic containers

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.

#### Disposal of boxes or bags

Shake bag contents into spray tank until the bag is empty. Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty bags 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 bags and product should not be burnt.

#### SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. Repeated minor exposure may have a cumulative poisoning effect. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and a face shield or goggles. Wash hands after use.

#### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Telephone Australia 131126).

#### MATERIAL SAFETY DATA SHEET

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

#### Manufacturers Warranty and Exclusion of Liability

Ospray Pty Ltd has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Ospray Pty Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.