

MAIN LABEL

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Logo

METOLACHLOR 720
Herbicide

ACTIVE CONSTITUENT: 720g/kg Metolachlor

GROUP K HERBICIDE

CONTROLS CERTAIN ANNUAL GRASSES
AND BROADLEAF WEEDS IN CERTAIN CROPS
AS PER THE DIRECTIONS FOR USE TABLE.

IMPORTANT: READ THIS LABEL THOROUGHLY BEFORE
USING THIS PRODUCT.

CONTENTS 5, 10, 20, 200, 1000 LITRES

4Farmers PTY. LTD.
A.C.N 067 443 485
643 MURRAY STREET, WEST PERTH
WESTERN AUSTRALIA 6005

General Instructions

4Farmers METOLACHLOR 720 HERBICIDE
Draft Label

Uses

The product is a short residual, pre-emergent herbicide for the control of many important annual grasses and broadleaf weeds in the crops nominated. The product does not control the important broadleaf weeds in maize, sweet corn and Concep II treated sorghum, but when mixed with Flowable Atrazine, control of many important annual weeds and grasses is obtained without the problem of carryover of herbicides affecting succeeding crops. The product acts mainly through shoot (coleoptile) absorption. Its effectiveness depends on the occurrence of rainfall or irrigation to move it down into the top 3 to 4 cm of soil, where it must be present at the time of weed germination.

Resistance Warning – **GROUP K HERBICIDE**

4Farmers METOLACHLOR 720 Herbicide is a member of the amide group of herbicides with diverse sites of action. For weed resistance management this is a Group K herbicide.

Some naturally occurring weed biotypes resistant to 4Farmers METOLACHLOR 720 Herbicide and other amide 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 4Farmers METOLACHLOR 720 Herbicide or other amide herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers METOLACHLOR 720 Herbicide to control the resistant weeds.

Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or a 4Farmers representative.

Storage and disposal

Store in the closed, original container in a dry well-ventilated area, as cool as possible out of direct sunlight. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the 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, puncture or bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

Material Safety Data Sheet: If additional hazard information is required refer to Material Safety Data Sheet. For a copy phone (08) 9356 3445.

SAFETY DIRECTIONS

Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID

- If poisoning occurs, contact a doctor or Poisons Information Centre (tel 131126.)

CONDITIONS OF SALE

The use of 4Farmers Pty. Ltd. Metolachlor 720 being beyond the control of the manufacturer, no warranty expressed or implied is given by 4Farmers 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 4Farmers Pty. Ltd. accepts no responsibility for any consequences whatsoever resulting from the use of this product.

Batch Number:

Date of Manufacture

NRA Approval No.:

NOT CLASSIFIED AS DANGEROUS GOODS FOR TRANSPORT BY ROAD AND RAIL

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METOLACHLOR 720

Herbicide

ACTIVE CONSTITUENT: 720g/kg Metolachlor

GROUP K HERBICIDE

CONTROLS CERTAIN ANNUAL GRASSES
AND BROADLEAF WEEDS IN CERTAIN CROPS
AS PER THE DIRECTIONS FOR USE TABLE.

**IMPORTANT: READ THE ATTACHED LEAFLET THOROUGHLY
BEFORE USING THIS PRODUCT.**

CONTENTS 5, 10, 20, 200, 1000 LITRES

4Farmers PTY. LTD.
ACN 067 443 485
643 MURRAY STREET, WEST PERTH
WESTERN AUSTRALIA 6005
Ph 08 9364 1360

NRA Approval No: 51535/1299

Batch No

Directions for Use

| Crops | Weeds Controlled | State | Rate | Critical Comments |
|---|--|---|-----------------------------------|--|
| Broccoli, Brussels sprouts, Cabbages, Cauliflower | Barnyard Grass, Blackberry Nightshade, Chickweed (suppression), Deadnettle, Fat-hen, Lovegrass, Pigeon Grass, Pigweed (suppression), Potato Weed, Shepherd's Purse, Stinging Nettle, Summer Grass, Wireweed (suppression). | NSW Vic, Qld, Tas, NT only | 3 to 4, litres per ha | Apply immediately after transplanting- Sufficient irrigation to wet the top 3 to 4 cm of soil should be applied within 24 hours, Use rates towards the higher end of the range where Blackberry Nightshade, Chickweed, Fat-hen, Lovegrass, Pigeon Grass. Pigweed, Potato Weed and Wireweed are the major problem. See Warning - Brassica crops. |
| | Crowsfoot Grass, Fierce Thornapple (suppression), Liverseed Grass, winter Grass | NSW only | | Apply immediately after transplanting. Sufficient irrigation to wet the top 3 to 4 cm of soil should be applied within 24 hours. Use rates towards the higher end of the range where Apple of Peru, Common Sowthistle, Fierce Thornapple, Liverseed Grass, Redroot Amaranth, Twiggy Turnip and Nettleleaf Goosefoot are the major problems. |
| | Apple of Peru, Awnless Barnyard Grass, Fierce Thornapple (suppression), Liverseed Grass, Yellow Weed, Redroot Amaranth (suppression). | Qld only | | WARNING: Qld. only stunting and reduced yield may occur in broccoli in red soils and light alluvial soils. |
| | Annual Ryegrass, Common Cotula, Common Sowthistle (suppression) Crowsfoot Grass, Fiddle Dock, Italian Ryegrass, Liverseed Grass, Nettleleaf Goosefoot (suppression), Twiggy Turnip (suppression), Winter Grass. | Vic, Tas, WA only | | See Warning - Brassica crops. |
| Canola | Toad Rush | NSW SA, WA Vic, Tas, Qld | 0.3 to 0.5 litres per ha | Apply at or immediately after planting end before crops and weeds emerge. Apply to moist soil. use rates towards the higher end of the range where longer residual control is required. |
| Cotton | Barnyard Grass, Crowsfoot Grass, Liverseed Grass, Lovegrass. Pigeon Grass, Summer Grass, Wandering Jew | NSW Qld only | 2 litres per ha | Pre-emergent. Apply before. at. or immediately after planting and before crops and weeds have germinated using a low volume boom sprayer applying 60 to 120 litres of mixture per hectare. Rain or irrigation is necessary within 10 days of spraying to thoroughly wet the top 3 to 4 cm of soil. If rain does not occur or irrigation is unavailable incorporate chemical to a depth of 3 to 4 cm. Use rates towards the higher end of the range on heavy soils or where a heavy grass population is expected. DO NOT throw untreated soil onto treated areas as this will reduce weed control. DO NOT use on soils where the sand content exceeds 70%. Use lower rate where the sand content of the soil is within the range 50 to 70%. See Warning - Cotton. |

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| Green Beans Navy Beans | Black Berry Nightshade, Common Sowthistle, Fat-hen, Potato Weed, Barnyard Grass, Crowsfoot Grass, Liverseed Grass, Lovegrass, Pigeon Grass, Summer Grass and suppression of Pigweed | NSW, Qld, Vic, SA only | 3 to 4 litres per ha | Pro-emergent. Apply before, at, or immediately after planting and before crops and weeds have germinated. Rain or irrigation is necessary within 10 days of spraying to thoroughly wet the top 3 to 4 cm of soil. If rain does not occur or irrigation is unavailable incorporate chemical to a depth of 3 to 4 cm. DO NOT throw untreated soil onto treated areas as this will reduce weed control. |
| | Powell's Amaranth | Tas only | 4 litres per ha | Pre-emergent. Apply before, at, or immediately after planting and before crops and weeds have germinated. For sufficient Amaranth control the 4Farmers METOLACHLOR application should be followed by 1L/ha BASAGRAN~ (2 leaf Amaranth) plus 2L/ha BASAGRAN~ (4leaf Amaranth). Rain or irrigation is necessary within 10days of spraying to thoroughly wet the top 3 to 4cm of soil. If rain does not occur or irrigation is unavailable incorporate chemical to a depth of 3 to 4cm. DO NOT throw untreated soil onto treated areas as this will reduce weed control. |
| Maize (not Waxy Maize) Sweet Corn | Barnyard Grass, Crowsfoot Grass, Liverseed Grass, Lovegrass, Pigeon Grass, Summer Grass, Wandering Jew | NSW, Vic Qld, SA, NT, Tas only | 2 to 4 litres per ha | Pre-emergent. Apply before, at, or immediately after planting and before crops and weeds have germinated using a low volume boom sprayer applying 60 to 120 litres of mixture per hectare. |
| | Black berry Nightshade, Caltrop, Common Thornapple, Mintweed, Needle Burr, Noogoora Burr, Pigweed, Redroot Amaranth, Slim Amaranth. | | 2 to 4 litres plus 2.5 litres of Flow-able Atrazine per ha | Rain or irrigation is necessary within 10 days of spraying to thoroughly wet the top 3 to 4 cm of soil. If rain does not occur or irrigation is unavailable incorporate chemical to a depth of 3 to 4cm. Use nates towards the higher end of the range on heavy soils or where a heavy grass population is expected. DO NOT throw untreated soil onto treated areas as this will reduce weed control. DO NOT use on soils where the sand content exceeds 70%. Use lower rate where the sand content of the soil is within the range 50% to 70%. |
| Pastures- Trikkala sub clover, Haifa white clover, Maral persian clover Paradana balansa clover, Redquin red clover, Phalaris and Cocksfoot | Toad Rush | Vic, NSW, NT, SA WA only | 400 to 500 mL per ha | Apply at or immediately after planting and before pasture species and weeds emerge. Application should be made to a moist seedbed. Sufficient rain to thoroughly wet the top 3 to 4 cm of soil should occur within 10 days after spraying. Use rates towards the higher end of the range in wet areas or when longer residual control is required. DO NOT use in soils where prolonged waterlogging is anticipated, otherwise unacceptable crop retardation will occur. Avoid damage to pasture species by avoiding overlaps and double spraying in headlands where white, Persian and Balansa clovers are sown and if the 500-mL rate is being used. |

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| Peanuts | Barnyard Grass, Crowsfoot Grass, Liverseed Grass, Love Grass, Pigeon Grass, Summer Grass, Wandering Jew | Qld, NSW, NT only | 2 to 4 litres per ha | Apply before pre-irrigation where soil crusting is likely. Apply before, at or immediately after planting and before weeds germinate, Rain or irrigation is necessary within 10 days of spraying to thoroughly wet the top 3 to 4 cm of soil, If rain does not occur or irrigation is unavailable incorporate chemical to a depth of 3 to 4 cm- DO NOT throw untreated soil onto treated areas as this will reduce weed control. Use rates toward the higher end of the range on heavy soils or where a heavy grass population is expected. |
| Soybeans Sunflowers | | NSW, Vic, Qld, SA, NT only | | |
| Sorghum treated with Concep II Sorghum Seed Safener | Barnyard Grass Crowsfoot Grass, Liverseed Grass, Lovegrass, Pigeon Grass, Summer Grass, Wandering Jew | NSW, Qld, NT only | 2 to 4 litres per ha | Pre-emergent: Apply before, at or immediately after planting and before crops and weeds have germinated using a low volume boom sprayer applying 60 to 120 litres of mixture per hectare. DO NOT apply to sorghum seed not previously treated with Concep II Sorghum Seed Safener. Rain or irrigation is necessary within 10 days of spraying to thoroughly wet the top 3 to 4cm of soil. If rain does not occur or irrigation is unavailable incorporate chemical to a depth of 3 to 4 cm. Use rates toward the higher end of the range on heavy soils or where a heavy grass population is expected. DO NOT throw untreated soil onto treated areas as this will reduce weed control. Use the lower rate on sandy soils. |
| | Blackberry Nightshade, Caltrop. Common Thornapple, Mintweed, Needle Burr, Noogoora Burr, Pigweed, Redroot Amaranth, Slim Amaranth | | 2 to 4 litres plus 2.5 litres of Flowable Atrazine per ha | |
| Sweet potatoes | Black pigweed, Red shank, Potato weed, Barnyard Grass. Crowsfoot Grass, Liverseed Grass, Lovegrasses, Pigeon Grass, Summer Grass. Suppression of Evening primrose | NSW, Qld, Vic, NT, SA only | 3 litres per ha | Pre-emergent: Apply immediately after transplanting before weeds have germinated. Sufficient irrigation to wet the soil through the weed zone should be applied within 24 hours. Further weed germination may occur following re-hilling due to exposure of untreated soil. |
| Tobacco (transplanted in field) | Barnyard Grass, Lovegrass, Pigeon Grass. Summer Grass and suppression of Common Thornapple (<i>Datura stramonium</i>) and Nightshades (<i>Solanum sarrachoides</i> and <i>S. gigrum</i>) | Vic, NSW only | 3 litres per ha | Apply by low volume boom spray prior to transplanting and before weeds and grasses germinate. The seed bed should be fine and free of large clods. Thoroughly incorporate within 7 days of spraying using a rotary hoe or similar equipment set to work to a depth of 7.5 cm. DO NOT use disc-cultivating implements. An even coverage of the herbicide is essential. The herbicide needs to be activated by moisture through to the top 3 to 4 cm of soil at the time of application or within 4 days of incorporation. This can be achieved by applying to moist soil, irrigating soon after incorporation or irrigating immediately after transplanting. Avoid boom overlaps as double treatment may cause growth suppression. Temporary crop retardation may be observed when soil conditions remain dry after application or where black root rot may occur. |
| Wheat, Barley, Oats, Triticale | Toad Rush | Vic, NSW, SA WA only | 300 to 500 mL per ha | Apply at or immediately after planting and before crop and weeds emerge. Application should be made to a moist seedbed and sufficient rain to thoroughly wet the top 3 to 4 cm of soil should occur within 10 day after spraying. Use rates towards the higher end of the range in wet areas or when longer residual control is required or in situations where crop competition is minimal. |

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| | | | | When mixed with Logran 714 apply pre-sowing and incorporate by sowing operation (for wheat only). |
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NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD

- CANOLA: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 10 WEEKS AFTER APPLICATION.
- GREEN BEANS: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 10 WEEKS AFTER APPLICATION.
- PASTURES: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 13 WEEKS AFTER APPLICATION
- SWEET POTATOES: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 23 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Resistance Warning - GROUP K HERBICIDE

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Uses

The product is a short residual, pre-emergent herbicide for the control of many important annual grasses and broadleaf weeds in the crops nominated. The product does not control the important broadleaf weeds in maize, sweet corn and Concep II treated sorghum, but when mixed with Flowable Atrazine - control of many important annual weeds and grasses is obtained without the problem of carryover of herbicides affecting succeeding crops. The product acts mainly through shoot (coleoptile) absorption. Its effectiveness depends on the occurrence of rainfall or irrigation to move it down into the top 3 to 4 cm of soil, where it must be present at the time of weed germination.

Mixing

Add the required amount directly to the spray tank, fill with water and mix well.

Compatibility

4Farmers Metolachlor is compatible with Flowable Fluometuron – Prometryn (also mixes), Flowable Atrazine, 4Farmers Chlorsulfuron, 4Farmers Metsulfuron, Paraquat – Diquat and 4Farmers Glyphosate 450. Please check other chemicals compatibility before mixing.

WARNING - Cotton: Heavy rain following an application of 4Farmers Metolachlor, together with below average soil temperatures, can result in crop injury, due to the inability of the germinating plant being able to metabolise the herbicide. 4Farmers Metolachlor should not be used in situations where these conditions are likely to occur.

WARNING - Brassica crops: Crop retardation may occur where 4Farmers Metolachlor is used on soils that have a low organic matter content and which contain more than 60% of fine sand and silt. On these soil types, use rates of 4Farmers Metolachlor towards the lower end of the rate range and apply onto moist soil. Irrigation after application should be limited to no more than 25 mm. DO NOT use more than once per year.

Protection of Crops, Native and Other Non-Target Plants

DO NOT plant crops other than maize, sweet corn, tobacco, cotton, soybeans, sunflowers, peanuts, broccoli, Brussels sprouts, cabbages, cauliflowers or Concep II treated sorghum within 6 months of application of 4Farmers Metolachlor.

Protection of Livestock

DO NOT graze or cut sweet potato leaves for stock food.

Protection of Wildlife, Fish, Crustacean and Environment

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

Re-entry period

DO NOT enter treated area until spray has dried

Storage and disposal

Store in the closed, original container in a dry well-ventilated area, as cool as possible out of direct sunlight. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the 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, puncture or bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

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