



ORYZALIN 500

HERBICIDE

ACTIVE CONSTITUENTS: 500G/L ORYZALIN

GROUP D HERBICIDE

For the pre-emergent control of annual grasses and broadleaf weeds as described in the Direction for Use table.

BOOKLET

4FARMERS PTY. LTD.

A.C.N. 067 443 485

643 MURRAY STREET, WEST PERTH,
WESTERN AUSTRALIA 6005

PH (08) 9356 3445 FAX: (08) 9356 3447

APVMA APPROVAL No: 58732/0205

GENERAL INSTRUCTIONS:

4Farmers Oryzalin 500 Herbicide is a pre-emergent surface applied herbicide that will control the specified annual grasses and broadleaf weeds in the crops listed. When using 4Farmers Oryzalin 500 Herbicide the soil should be prepared to be free of established weeds. Remove or thoroughly trash (weed residues, prunings etc) into the soil before applying. Note that moisture in the form of rain or sprinkler irrigation (12.5mm) is required within 21 days of application to activate the product, otherwise efficacy will be reduced. If moisture is not received within the period, incorporate the product into the top 2.5cm of soil.

MIXING:

4Farmers Oryzalin 500 Herbicide mixes readily with water. Before opening, agitate the drum thoroughly. Begin by filling the spray tank with water. When the tank is approximately half full add the required quantity of 4Farmers Oryzalin 500 Herbicide, then top up with water to the required volume. The mixture should be continuously agitated to ensure 4Farmers Oryzalin 500 Herbicide is thoroughly mixed. DO NOT leave spray solutions to stand overnight.

APPLICATION:

Apply 4Farmers Oryzalin 500 Herbicide in 200-450 litres of water per hectare. Apply uniformly, especially within the dripline of trees and shrubs, so that application above label rates does not occur. Use a properly calibrated low-pressure (170-340kPa) herbicide sprayer. Provide good by-pass or other agitation of the spray suspension in the tank before and during application. Soil treated with this product may be shallow cultivated without loss of herbicide activity.

COMPATIBILITIES:

4Farmers Oryzalin 500 Herbicide is compatible with paraquat, glyphosate, oxyfluorfen and simazine.

GROUP D HERBICIDE

RESISTANT WEEDS WARNING

4Farmers Oryzalin 500 Herbicide is a member of the dinitroaniline group of herbicides. 4Farmers Oryzalin 500 Herbicide has the inhibition of tubulin formation mode of action. For weed resistance management, 4Farmers Oryzalin 500 Herbicide is a Group D herbicide. Some naturally-occurring weed biotypes resistant to 4Farmers Oryzalin 500 Herbicide and other Group D 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 Oryzalin 500 Herbicide or other Group D herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers Pty Limited accepts no liability for any losses that may result from the failure of 4Farmers Oryzalin 500 Herbicide to control resistant weed. Note: strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or 4Farmers representative.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

When applying spray, avoid contact with leaves and other parts of trees and vines. 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.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers, drains or streams with chemical or used container.

STORAGE AND DISPOSAL:

Keep out of reach of children. Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. 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, 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:

Avoid contact with eyes and skin. DO NOT inhale spray mist.

FIRST AID:

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

MATERIAL SAFETY DATA SHEET:

Additional information is listed in the Material Safety Data Sheet.

CONDITIONS OF SALE

The use of 4Farmers Oryzalin 500 Herbicide, 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

Crop	Weeds Controlled	Rate L/Ha	Critical Comments
Banana	Grasses: Barnyard Grass, Guinea Grass, Love Grass, Paradoxa Grass, Pigeon Grass, Spiny Burr (Gentle Annie/Innocent Weed), Summer Grass Broadleaf Weeds: Deadnettle, Fathen, Fumitory, Portulaca (Pigweed) Sowthistle, Wireweed (Hogweed) Brassica species, Blackberry nightshade, Caltrop, Paddy melon, Silver leaf nightshade	4.5L (short term control – up to 4 months)	See General Instructions. DO NOT use as a pre-emergent at the time of planting with tissue culture banana planting material. WA ONLY: Vineyards on medium loam or heavier soil type, heavily infested with crabgrass may be sprayed with up to 9.5L/ha of 4Farmers Oryzalin 500 Herbicide. Spraying of grape vines, pome fruit and all Prunus species can be carried out immediately after transplanting from nurseries on these soil types, provided buds are still dormant and no functional leaves are present. For Crab grass (Digitaria sanguinalis) control apply early in summer and incorporate with overhead irrigation.
Grapes			
Pome Fruit: Apple, Pear (see also non-bearing fruit)		6.8L (long term control – 6 to 8 months)	WA ONLY: Vineyards on medium loam or heavier soil type, heavily infested with crabgrass may be sprayed with up to 9.5L/ha of 4Farmers Oryzalin 500 Herbicide. Spraying of grape vines, pome fruit and all Prunus species can be carried out immediately after transplanting from nurseries on these soil types, provided buds are still dormant and no functional leaves are present. For Crab grass (Digitaria sanguinalis) control apply early in summer and incorporate with overhead irrigation.
Stone Fruit: Apricot, Cherry, Nectarine, Peach, Plum, Prune		6.8L (long term control – 6 to 8 months)	
Citrus Fruit: Grapefruit, Orange (see also non-bearing fruit)		6.8L (long term control – 6 to 8 months)	WA ONLY: Vineyards on medium loam or heavier soil type, heavily infested with crabgrass may be sprayed with up to 9.5L/ha of 4Farmers Oryzalin 500 Herbicide. Spraying of grape vines, pome fruit and all Prunus species can be carried out immediately after transplanting from nurseries on these soil types, provided buds are still dormant and no functional leaves are present. For Crab grass (Digitaria sanguinalis) control apply early in summer and incorporate with overhead irrigation.
Nuts: Almonds, Pecan, Macadamia, Walnut		6.8L (long term control – 6 to 8 months)	
Non-bearing Berry Fruits: Blackberry, Blueberry, Boysenberry, Currant, Gooseberry, Loganberry, Raspberry		6.8L (long term control – 6 to 8 months)	WA ONLY: Vineyards on medium loam or heavier soil type, heavily infested with crabgrass may be sprayed with up to 9.5L/ha of 4Farmers Oryzalin 500 Herbicide. Spraying of grape vines, pome fruit and all Prunus species can be carried out immediately after transplanting from nurseries on these soil types, provided buds are still dormant and no functional leaves are present. For Crab grass (Digitaria sanguinalis) control apply early in summer and incorporate with overhead irrigation.
Non-Bearing Fruit: including nursery stock of Avocado, Custard Apple, Feijoa, Guava, Kiwi Fruit, Lemon, Litchi, Mandarin, Mango, Nashi, Olive, Passionfruit, Pawpaw, Persimmon, Rambutan		6.8L (long term control – 6 to 8 months)	
Nursery stock and or seedling stage conifers including species of the following genus: <i>Abies</i> (fir trees), <i>Chamaecyparis</i> (Lawson and false cypress), <i>Cryptomeria cupressus</i> (cypress), <i>Juniperus</i> (Junipers), <i>Picea</i> (Spruces), <i>Pinus</i> (pine), <i>Platycladus orientalis</i> (Oriental arborvitae), <i>Podocarpus</i> , <i>Pseudotsuga menziesii</i> (Douglas fir or Oregon Pine), <i>Sequoia sempervirens</i> (Coastal Redwood), <i>Taxus cuspidata</i> (Japanese yew), <i>Thuja</i>		6.8L (long term control – 6 to 8 months)	WA ONLY: Vineyards on medium loam or heavier soil type, heavily infested with crabgrass may be sprayed with up to 9.5L/ha of 4Farmers Oryzalin 500 Herbicide. Spraying of grape vines, pome fruit and all Prunus species can be carried out immediately after transplanting from nurseries on these soil types, provided buds are still dormant and no functional leaves are present. For Crab grass (Digitaria sanguinalis) control apply early in summer and incorporate with overhead irrigation.
Nursery stock, ornamentals and amenity planting's comprising of the following Australian Native Species of the Genus: <i>Acacia</i> (wattles), <i>Agonis</i> (WA peppermint), Willow (or Honey) myrtle, <i>Allocasuarina</i> , <i>Banksia</i> , <i>Boronia</i> , <i>Callistemon</i> (bottlebrush), <i>Callitris</i> (cypress pine), <i>Calytrix</i> , <i>Casuarina</i> (Oaks and Sheoaks), <i>Chamaelaucium uncinatum</i> (Geraldton wax), <i>Clematis</i> , <i>Correa</i> , <i>Eriostemon myporoides</i> (Wax flower), <i>Eucalyptus</i> , <i>Grevillea</i> , <i>Hakea</i> , <i>Hardenbergia</i> (sarsaparilla), <i>Hibbertia</i> , <i>Kennedia</i> , <i>Lechenaultia</i> , <i>Leptospermum</i> , and <i>Melaleuca</i> (teatrees), <i>Prostanthera</i> (mint bush), <i>Thryptomene</i> , <i>Westringia</i> , <i>Cassia</i>		6.8L (long term control – 6 to 8 months)	
Nursery stock, ornamentals and amenity planting's comprising of the following Exotic Species of the Genus: <i>Abelia</i> , <i>Acalypha</i> , <i>Acer</i> (maples), <i>Arctostaphylos</i> , <i>Ardisia</i> , <i>Azalea</i> , <i>Baccharis</i> (Ground bush), <i>Bauhinia</i> , <i>Berberis</i> (barberry), <i>Betula</i> (Birch trees), <i>Bignonia</i> , <i>Buxus</i> (box), <i>Calluna</i> , <i>Camellia</i> , <i>Ceanothus</i> , <i>Cistus</i> , <i>Clytostoma</i> , <i>Coleonema</i> , <i>Coprosma</i> , <i>Cotoneaster</i> , <i>Cuphea</i> , <i>Cytisus</i> (Broom), <i>Dodonea</i> (Hobbrush), <i>Erica</i> (Heath), <i>Escallonia</i> , <i>Euonymus</i> , <i>Eutaxia</i> , <i>Fatsyhedera</i> , <i>Fuschia</i> , <i>Felicia</i> , <i>Gardenia</i> , <i>Gingko</i> , <i>Hibiscus</i> , <i>Ilex</i> , <i>Jasminum</i> , <i>Justicia</i> , <i>Kalmia</i> , <i>Koelreuteria</i> , <i>Lagenaria</i> , <i>Lagerstroemia</i> , <i>Lantana</i> , <i>Lavendula</i> (lavender), <i>Leucodendron</i> , <i>Leucothoe</i> , <i>Ligustrum</i> , <i>Liquidamber</i> , <i>Liriope</i> , <i>Lonicera</i> (Honeysuckle), <i>Magnolia</i> , <i>Mahonia</i> , <i>Malus</i> , <i>Metrosideros</i> , <i>Monstera</i> , <i>Myrtus</i> , <i>Nandina</i> , <i>Nerium</i> (Oleander), <i>Osuranthus</i> , <i>Parahebe</i> , <i>Philadelphus</i> , <i>Philodendron</i> , <i>Phoenix</i> , <i>Photinia</i> , <i>Pieris</i> , <i>Pittosporum</i> , <i>Populus</i> (Poplar), <i>Prunus</i> , <i>Pseudopanax</i> , <i>Pyracantha</i> , <i>Quercus</i> , <i>Raphiolepis</i> , <i>Rhododendron</i> , <i>Rosa</i> (Roses), <i>Rosmarinus</i> (Rosemary), <i>Russelia</i> , <i>Spiraea</i> , <i>Syringa</i> , <i>Syzygium</i> , <i>Taxus</i> , <i>Trachelospermum</i> (<i>Rhynchospermum</i>), <i>Umbellularia</i> , <i>Viburnum</i> , <i>Washingtonia</i> , <i>Weigela</i> , <i>Xylosma</i> , <i>Yucca</i> .		6.8L (long term control – 6 to 8 months)	WA ONLY: Vineyards on medium loam or heavier soil type, heavily infested with crabgrass may be sprayed with up to 9.5L/ha of 4Farmers Oryzalin 500 Herbicide. Spraying of grape vines, pome fruit and all Prunus species can be carried out immediately after transplanting from nurseries on these soil types, provided buds are still dormant and no functional leaves are present. For Crab grass (Digitaria sanguinalis) control apply early in summer and incorporate with overhead irrigation.
Tea-Tree Oil Plantations		6.8L (long term control – 6 to 8 months)	

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

In an emergency, contact:
ACOHs
Australian Centre for Occupational Health and Safety
1800 638 556 (24 hours)

Police and Fire Brigade:
Dial 000
National Poisons Information Centre:
Dial 131 126
(from anywhere in Australia)

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



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GROUP D HERBICIDE

For the pre-emergent control of annual grasses and broadleaf weeds
as described in the Direction for Use table.

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE

Contents: Litres

4FARMERS PTY. LTD.

A.C.N. 067 443 485

643 MURRAY STREET, WEST PERTH,
WESTERN AUSTRALIA 6005

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IN AN EMERGENCY, CONTACT:
ACOHs
AUSTRALIAN CENTRE FOR OCCUPATIONAL
HEALTH AND SAFETY
1800 638 556 (24 HOURS)

POLICE AND FIRE BRIGADE:
DIAL 000
NATIONAL POISONS INFORMATION CENTRE:
DIAL 131 126
(FROM ANYWHERE IN AUSTRALIA)

Batch Number:

Date of Manufacture:

APVMA APPROVAL No: 58732/ /0205