

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



# Stonewall®

Herbicide

**ACTIVE CONSTITUENT: 500 g/L ORYZALIN**

**GROUP D HERBICIDE**

For pre-emergent control of certain annual grasses and broadleaf weeds in non-bearing and bearing fruit and nut orchards, vineyards, nursery stock, ornamentals and amenity plantings as specified in the Directions for Use Table.

**IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING**



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# DIRECTIONS FOR USE IN ALL STATES

CROP GROUP		WEEDS CONTROLLED	RATE L/ha	CRITICAL COMMENTS
Banana 1		<b>Grasses:</b> Barnyard Grass, Guinea Grass, Love Grass, Paradoxa Grass, Pigeon Grass, Spiny Burr Grass (Gentle Annie/ Innocent Weed), Summer Grass (Crabgrass 3)  <b>Broadleaf Weeds:</b> Deadnettle, Fathen, Fumitory, Sowthistle, Wireweed (Hogweed), Portulaca (Pigweed)  <b>Brassica species 4</b> Blackberry Nightshade, Caltrop, Paddymelon, Silverleaf Nightshade	<b>Short term Control</b> (up to 4 months) 4.5 L	<b>See GENERAL INSTRUCTIONS</b> <b>1. DO NOT</b> use as a pre-emergent at the time of planting with tissue culture banana planting material. <b>2. Western Australia only:</b> Vineyards on medium loam or heavier soil types, heavily infested with crabgrass, may be sprayed with up to 9.9 L/ha of this product, together with pome fruit and all Prunus species on these soils, spraying can be immediately after transplanting from nurseries, providing buds are still dormant and no functional leaves are present. <b>3. Western Australia only:</b> Apply early in summer for crabgrass ( <i>Digitaria sanguinalis</i> ) control and incorporate with overhead irrigation. <b>4.</b> Control of these weeds may range from poor to excellent depending upon soil temperature, time of germination, depth of weed seed in the soil, and amount and timing of soil moisture.
Grape 2				
Pome Fruit				
Stonefruit	Apple, Pear (see also non-bearing fruits)		<b>Long term control</b> (6-8 months) 6.8 L	
Citrus Fruit	Grapefruit, Orange (see also non-bearing fruits)			
Nuts	Almonds, Macadamia, Pecan, Walnut			
Non-bearing berryfruits	Blackberry, Blueberry, Boysenberry, Currant, Gooseberry, Loganberry, Rasperry			
Non-bearing fruits, including nursery stock of the following:	Avocado, Lemon, Olive, Custard-apple, Litchi, Passionfruit, Feijoa, Mandarin, Pawpaw, Guava, Mango, Persimmon, Kiwifruit, Nashi, Rambutan			

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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>	<b>Grasses:</b> Barnyard Grass, Guinea Grass, Love Grass, Paradoxa Grass, Pigeon Grass, Spiny Burr Grass (Gentle Annie/ Innocent Weed), Summer Grass (Crabgrass 3)  <b>Broadleaf Weeds:</b> Deadnettle, Fathen, Fumitory, Sowthistle, Wireweed (Hogweed), Portulaca (Pigweed)  <b>Brassica species 4</b> Blackberry Nightshade, Caltrop, Paddymelon, Silverleaf Nightshade	<b>Short term Control</b> (up to 4 months) 4.5 L  <b>Long term control</b> (6-8 months) 6.8 L	<b>See GENERAL INSTRUCTIONS</b> <b>1. DO NOT</b> use as a pre-emergent at the time of planting with tissue culture banana planting material.  <b>2. Western Australia only:</b> Vineyards on medium loam or heavier soil types, heavily infested with crabgrass, may be sprayed with up to 9.9 L/ha of this product, together with pome fruit and all Prunus species on these soils, spraying can be immediately after transplanting from nurseries, providing buds are still dormant and no functional leaves are present.  <b>3. Western Australia only:</b> Apply early in summer for crabgrass ( <i>Digitaria sanguinalis</i> ) control and incorporate with overhead irrigation.  <b>4.</b> Control of these weeds may range from poor to excellent depending upon soil temperature, time of germination, depth of weed seed in the soil, and amount and timing of soil moisture.
Nursery stock, ornamentals, and amenity plantings comprising of the following:	<b>Australian native species of the genus:</b> <i>Acacia</i> (wattles), <i>Agonis</i> (WA peppermint, Willow (or Honey) myrtle), <i>Allocasuarina</i> , <i>Banksia</i> , <i>Boronia</i> , <i>Melaleuca</i> (teatrees), <i>Callistemon</i> (bottlebrush), <i>Callitris</i> (cypress pine), <i>Calytrix</i> , <i>Cassia</i> , <i>Casuarina</i> (Oaks and sheoak), <i>Chamaelaucium uncinatum</i> (Geraldton wax), <i>Clematis</i> , <i>Correa</i> , <i>Eriostemon myoporoides</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> & <i>Prostanthera</i> (mintbush), <i>Thryptomene</i> , <i>Westringia</i>			

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Nursery stock, ornamentals, and amenity plantings comprising of the following:	<b>Exotic species of the genus:</b> <i>Abelia, Acalypha, Acer</i> (maples), <i>Arctostaphylos, Ardisia, Azalea, Baccharis</i> (groundsel bush), <i>Bauhinia, Berberis</i> (barberry), <i>Betula</i> (birch trees), <i>Bignonia, Buxus</i> (box), <i>Calluna, Camellia, Ceonothus, Cistus, Clystoma, Coleonema, Coprosma, Cotoneaster, Cuphea, Cytisus</i> (broom), <i>Dodonea</i> (hopbush), <i>Erica</i> (heath), <i>Escallonia, Euonymus, Eutaxia, Fatschedera, Fuschia, Felicia, Gardenia, Gingko, Hibiscus, Ilex, Jasminum, Justicia, Kalmia, Koelreuteria, Lagenaria, Lagerstroemia, Lantana, Lavendula</i> (lavender), <i>Leucodendron, Leucothoe, Ligustrum, Liquidamber, Liriope, Lonicea</i> (honeysuckle), <i>Magnolia, Mahonia, Malus, Metrosideros, Monstera, Myrtus, Nandina, Nerium</i> (oleander), <i>Osmanthus, Parabebe, Philadelphus, Philodendron, Phoenix, Photinia, Pieris, Pittosporum, Populus</i> (poplar), <i>Prunus, Pseudopanax, Pyracantha, Quercus, Raphiolepis, Rhododendron, Rosa</i> (roses), <i>Rosemarinus</i> (rosemary), <i>Russelia, Spiraea, Syringa, Syzygium, Taxus, Trachelospermum</i> (Rhyncospermum), <i>Umbellularia, Viburnum, Washingtonia, Weigela, Xylosma, Yucca</i>	<b>Grasses:</b> Barnyard Grass, Guinea Grass, Love Grass, Paradoxa Grass, Pigeon Grass, Spiny Burr Grass (Gentle Annie/ Innocent Weed), Summer Grass (Crabgrass 3)  <b>Broadleaf Weeds:</b> Deadnettle, Fathen, Fumitory, Sowthistle, Wireweed (Hogweed), Portulaca (Pigweed)  <b>Brassica species 4</b> Blackberry Nightshade, Caltrop, Paddymelon, Silverleaf Nightshade	<b>Short term Control</b> (up to 4 months) 4.5 L  <b>Long term control</b> (6-8 months) 6.8 L	<b>See GENERAL INSTRUCTIONS</b> <b>1. DO NOT</b> use as a pre-emergent at the time of planting with tissue culture banana planting material.  <b>2. Western Australia only:</b> Vineyards on medium loam or heavier soil types, heavily infested with crabgrass, may be sprayed with up to 9.9 L/ha of this product, together with pome fruit and all <i>Prunus</i> species on these soils, spraying can be immediately after transplanting from nurseries, providing buds are still dormant and no functional leaves are present.  <b>3. Western Australia only:</b> Apply early in summer for crabgrass ( <i>Digitaria sanguinalis</i> ) control and incorporate with overhead irrigation.  <b>4.</b> Control of these weeds may range from poor to excellent depending upon soil temperature, time of germination, depth of weed seed in the soil, and amount and timing of soil moisture.

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Tea-tree oil plantations 5	Tea-tree ( <i>Melaleuca alternifolia</i> )	As previous	6.8 L	5. Apply at time of planting and soon after harvesting. Apply in 200-450 L/ha water.

**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

Stonewall® Herbicide is a pre-emergent surface applied herbicide which will control the specified annual grasses and broadleaf weeds in the crops listed.

**Soil Preparation:** Areas to be treated should be free of established weeds. Remove or thoroughly mix trash (weed residue, prunings, etc) into the soil before applying the product.

**Soil Activation:** Moisture in the form of rain or sprinkler irrigation (12.5 mm) is required within 21 days of application to activate the product otherwise efficacy may be reduced. If moisture is not received within the period, incorporate the product into the top 2.5 cm of soil.

## MIXING

The required amount of Stonewall® Herbicide should be added to a half-full spray tank and agitated well during completion of filling. DO NOT leave spray solutions to stand over night.

## APPLICATION

Apply Stonewall® Herbicide in 200 to 450 litres 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 to 340 kPa) 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 herbicidal activity.

## COMPATIBILITY

Stonewall® Herbicide is compatible paraquat, glyphosate, oxyfluorfen and simazine.

## RESISTANT WEEDS WARNING

Stonewall® Herbicide is a member of the dinitroanilines group of herbicides. The product has the inhibitor of tubulin formation mode of action. For weed resistance management, the product is a Group D herbicide. Some naturally-occurring weed biotypes resistant to the product and other inhibitor of tubulin formation 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 this product or other Group D herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Amgrow Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant or local Department of Agriculture or Amgrow representative.

GROUP	<b>D</b>	HERBICIDE
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### **PROTECTION OF CROPS, NATIVE & OTHER NON-TARGET PLANTS**

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

DO NOT apply under weather conditions, or from spraying equipment, that may result in chemical movement by spray drift, vapour or storm run-off onto nearby susceptible plants/crops, cropping lands or pastures.

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

DO NOT contaminate streams, rivers or waterways with the 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.

The method of disposal of the container depends on the container type.

Read the Storage and Disposal instructions on the label that is attached to the container.

### **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. Phone Australia 131126.

### **MATERIAL SAFETY DATA SHEET**

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

**CONDITIONS OF SALE:** Amgrow Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Amgrow's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Amgrow has any authority to add to or alter these conditions.

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