



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF AN AGVET CHEMICAL PRODUCT
TO CONTROL VARIOUS WEEDS IN URBAN BUSHLAND, FORESTS AND
COASTAL RESERVES**

PERMIT NUMBER – PER11916

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows any person to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 1 JUNE 2010 TO 31 MARCH 2012.

Permit Holder:

NSW DEPARTMENT OF PRIMARY INDUSTRIES
161 KITE STREET
ORANGE NSW 2800

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Product to be used:

ALL REGISTERED PRODUCTS containing 360 g/L GLYPHOSATE PRESENT AS ISOPROPYLAMINE SALT as their only active constituent.

DUPONT BRUSH-OFF BRUSH CONTROLLER
AND OTHER REGISTERED PRODUCTS

Containing 600 g/kg METSULFURON-METHYL as their only active constituent.

Directions for Use:

Situation	Weeds controlled	Rate
URBAN BUSHLAND AND FORESTS. COASTAL RESERVES. (REFER TO CRITICAL COMMENTS FOR PRODUCT USE DETAILS).	VARIOUS WEEDS AS SPECIFIED IN ATTACHMENT 1.	At the rates specified in Attachment 1.

Critical Use Comments:

FOR THE CONTROL OF WEEDS AT COASTAL RESERVES ONLY REGISTERED PRODUCTS THAT ARE APPROVED FOR USE IN AQUATIC AREAS MAY BE USED:

These products may only be used in this situation due to the nature of the formulations being permissible for use within or near aquatic situations.

ANY REGISTERED PRODUCT Containing **360 g/L GLYPHOSATE** as its only active constituent **MAY BE USED FOR USE IN THE OTHER SITUATIONS SUCH AS URBAN BUSHLAND AND FORESTS.**

Refer to Attachment 1.

Jurisdiction:

NSW ONLY.

Additional Conditions:

Apart from the uses dealt with in this permit users must comply with the instructions on the approved label of the registered product, particularly those instructions relating to protection, precaution, safety directions, first aid and storage and disposal.

It is an offence to pollute waters under the NSW Protection of the Environment Operations Act 1997 (POEO). Pesticide users must ensure that the pesticide does not enter waters either directly or indirectly through spray drift or runoff.

Persons who wish to prepare for use and/or use the products for the purposes specified in this permit must read, or have read to them, the permit particularly the information included in DETAILS OF PERMIT and CONDITIONS OF PERMIT.

DO NOT allow spray to drift onto sensitive areas including but not limited to natural streams, rivers, wetland waterways and non-target species. The latter is particularly important when using a surfactant or penetrant.

Issued by

Delegated Officer

Attachment 1

WEED – SCIENTIFIC NAME	WEED – COMMON NAME	APPLICATION RATE parts glyphosate : parts water OR metsulfuron-methyl 1-2g/10L water + non-ionic surfactant (0.1% or 1ml/L)	APPLICATION METHOD	CRITICAL COMMENTS
PLANT FAMILY - ACANTHACEAE				
<i>Hypoestes phyllostachya</i>	Freckle Plant/Face	1:100 + surfactant	Spray	
PLANT FAMILY - ADIANTACEAE				
<i>Pellaea viridis</i>		metsulfuron methyl		
<i>Pityrogramma austroamericana</i>	Gold Fern			
PLANT FAMILY - ALLIACEAE				
<i>Nothoscordum borbonicum</i>	Onion Weed	1:200	Spray	Retreatment essential after flowering
PLANT FAMILY - ALSTROEMERICEAE				
<i>Alstroemeria psittacina</i>	NZ Christmas Bells	1:100 + surfactant	Spray	
PLANT FAMILY - AMYGDALACEAE				
<i>Prunus spp</i>	Flowering plums	Undiluted	cut stump/drill/axe cut/inject	
PLANT FAMILY - ANACARDIACEAE				
<i>Schinus terebinthifolia</i>	Broad Leaf Pepper Tree	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY - ANTHERICACEAE				
<i>Chlorophytum comosum</i> <i>including cv Variegatum</i>	Spider Lily, Spider Plant, Ribbon Grass, Variegated ribbon grass	1:75 + surfactant	Spray	
PLANT FAMILY - APOCYNACEAE				
<i>Araujia sericifera</i>	Moth Plant/Vine	1:50 + surfactant Undiluted	Spray seedling Cut stump/scrape stem	

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PLANT FAMILY - AQUIFOLICEAE				
<i>Ilex aquifolium</i>	Holly	1:1.5 Undiluted	Stem injection Cut and paint	Best applied in spring/summer Up to 40 mm girth
PLANT FAMILY - ARALIACEAE				
<i>Hedera helix</i>	English Ivy	1:100 + surfactant Undiluted	Spray Scrape stem	
<i>Schefflera actinophylla</i>	Umbrella Tree	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY - ASPARAGACEAE				
<i>Myrsiphyllum asparagoides</i>	Bridal Creeper	1:75 + surfactant OR metsulfuron methyl @ 5g/100L + surfactant	Spray	August to September only
<i>Protasparagus plumosus</i> <i>Protasparagus africanus</i>	Climbing or Ferny Asparagus Asparagus Fern	1:50 + surfactant Undiluted	Spray Cut stump/scrape stem	
<i>Protasparagus aethiopicus</i>	Asparagus Fern or Ground Asparagus	1:50 + surfactant OR metsulfuron methyl Undiluted	Spray Cut stump/stem scrape	

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PLANT FAMILY - ASTERACEAE				
<i>Ageratina adenophora</i>	Crofton weed	1:100	Spray	
<i>Ageratina riparia</i>	Mistflower	1:100	Spray	
<i>Ageratum houstonianum</i>	Blue Billygoat weed	1:100 Undiluted	Spray Cut stump/scrape stem	
<i>Bidens pilosa</i>	Cobblers Peg	1:100	Spray	
<i>Chrysanthemoides monilifera</i> <i>ssp monilifera & rotundata</i>	Bitou Bush, Boneseed	1:100-200 Undiluted	Spray Cut stump	Best applied in winter months
<i>Conyza spp.</i>	Fleabane	1:100	Spray	
<i>Coreopsis lanceolata</i>		1:100	Spray	
<i>Delairea odorata</i>	Cape Ivy	1:50 + surfactant 1:1.5	Spray Cut stump/scrape stem	
<i>Senecio macroglossus</i>	Natal Ivy	1:50 + surfactant 1:1.5	Spray Cut stump/scrape stem	
<i>Sphagneticola trilobata</i>	Singapore daisy	1:100 + surfactant	Spray	
<i>Tithonia diversifolia</i>	Japanese daisy	1:100 + surfactant	Spray	
PLANT FAMILY - BALSAMINACEAE				
<i>Impatiens walleriana</i>	Busy Lizzie	1:100 + surfactant	Spray	
PLANT FAMILY - BASSELAACEAE				
<i>Anredera cordifolia</i>	Madeira Vine	1:50 + surfactant	Spray seedling	
		1:1.5	Cut stump/scrape stem/inject	

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PLANT FAMILY - BIGNONIACEAE				
<i>Macfadyena unguis-cati</i>	Cat's Claw or Cat's Claw Creeper	1:100 + surfactant Undiluted	Spray (to kill regrowth) Cut stump/scrape stem/inject	
PLANT FAMILY - CACTACEAE				
<i>Opuntia stricta</i>	Prickly Pear	1:10 OR metsulfuron methyl Undiluted	Spray Inject	
PLANT FAMILY - CANNACEAE				
<i>Canna indica</i>	Canna Lily	1:100 + surfactant	Spray	
PLANT FAMILY - CAPRIFOLIACEAE				
<i>Leycesteria formosa</i>	Himilayan honeysuckle	Undiluted	Cut and paint	
<i>Lonicera japonica</i>	Honeysuckle or Japanese Honeysuckle	1:50 + surfactant Undiluted	Spray regrowth Cut stump/scrape stem	
PLANT FAMILY - COLCHICACEAE				
<i>Gloriosa superba</i>	Glory Lily	1:50 + surfactant 1:1.5	Spray regrowth Cut stump/scrape stem	
PLANT FAMILY - COMMELINACEAE				
<i>Callisia fragrans</i>	Callisia	1:50 + surfactant	Spray	
<i>Commelina benghalensis</i>	Hairy Commelina	1:50 + surfactant	Spray	
<i>Tradescantia albiflora</i>	Wandering Jew	1:50 + surfactant	Spray	Treat in winter or early spring for best results.
			Spray regrowth	Apply 2 sprays 6-8 weeks apart. Retreatment essential.

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PLANT FAMILY - CONVULVACEAE				
<i>Ipomoea indica</i> <i>Ipomoea cairica</i> <i>Ipomoea alba</i>	Morning Glory Coastal Morning Glory White Morning Glory	1:50 + surfactant Undiluted	Spray Scrape stem/cut stump	Especially seedlings
PLANT FAMILY - CRASSULACEAE				
<i>Bryophyllum delagoense</i>	Mother-of-millions	metsulfuron methyl	Spray	
<i>Bryophyllum pinnatum</i>	Resurrection Plant	metsulfuron methyl	Spray	
PLANT FAMILY - CYPERACEAE				
<i>Cyperus rotundus</i>	Nutgrass	1:75 + surfactant	Spray	
PLANT FAMILY - DAVALLIACEAE				
<i>Nephrolepis cordifolia</i>	Fishbone Fern	1:100 + surfactant OR metsulfuron methyl	Spray	
PLANT FAMILY - DRACAENACEAE				
<i>Sansevieria trifasciata</i>	Mother-in-law's Tongue	metsulfuron methyl	Spray	
PLANT FAMILY - EUPHORBIACEAE				
<i>Euphorbia cyathophora</i>	Painted Spurge	1:100 + surfactant	Spray	
<i>Ricinus communis</i>	Castor Oil Tree	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs

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PLANT FAMILY - FABACEAE				
<i>Crotalaria incana ssp incana</i>	Rattlepod	1:100 + surfactant 1:1.5	Spray Cut stump/scrape stem	
<i>Cytisus scoparius</i>	Broom - Scotch/English	Undiluted to 1:6	cut stump/drill/axe cut/inject	Use higher rate for plants with stem diameter >50 cm
<i>Desmodium uncinatum</i>	Silver-leaf Desmodium	1:100 + surfactant 1:1.5	Spray Cut stump/scrape stem	
<i>Erythrina spp</i>	Coral Tree	Undiluted Undiluted	Cut stump Drill/axe cut/inject	
<i>Macroptilium atropurpureum</i>	Siratro	1:100 + surfactant 1:1-1.5	Spray Cut stump/scrape stem	Seedlings/coppice shoots
<i>Senna x floribunda</i>	Smooth Cassia	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
<i>Senna pendula</i>	Cassia	Undiluted	Cut stump/inject	
<i>Senna pendula var glabrata</i>	Winter Senna	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
<i>Ulex europaeus</i>		Undiluted	cut stump/drill/axe cut/inject	
PLANT FAMILY - IRIDACEAE				
<i>Bulb spp including Crocasmia crocosmiflora, Lilium formosanum, Watsonia angusta</i>		1:70 –100 + surfactant 1:1	Spray Wiper/weed wand	Spray between flowering and fruiting

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PLANT FAMILY - JUNCACEAE				
<i>Juncus acutus</i>	Spiny Rush	1:75	Spray	
PLANT FAMILY - LAMIACEAE				
<i>Plectranthus ciliatus</i>		1:100 + surfactant	Spray	
PLANT FAMILY - LAURACEAE				
<i>Cinnamomun camphora</i>	Camphor Laurel	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY - MALACEAE				
<i>Cotoneaster glaucophyllus</i>		Undiluted Undiluted	Cut stump Drill/axe cut/inject	
<i>Crataegus monogyna</i>	Hawthorn	Undiluted 1:100	cut stump/drill/axe cut/inject spray	
<i>Pyracantha angustifolia</i>	Firethorn	Undiluted Undiluted	Cut stump Drill/axe cut/inject	
<i>Rhaphiolepis indica</i>	Indian Hawthorn	Undiluted Undiluted	Cut stump Drill/axe cut/inject	
PLANT FAMILY - MORACEAE				
<i>Ficus elastica</i> <i>Ficus pumila</i>		Undiluted Undiluted	Drill/axe cut/inject Scrape stem	
<i>Morus alba</i>	White Mulberry	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs

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PLANT FAMILY - MYRTACEAE				
<i>Eucalyptus spp</i>		Undiluted	Drill/axe cut/inject	
<i>Lophostemon confertus</i>	Brush Box	Undiluted	Drill/axe cut/inject	
PLANT FAMILY - OCHNACEAE				
<i>Ochna serrulata</i>	Ochna	1:100 + surfactant Undiluted Undiluted	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY - OLEACEAE				
<i>Ligustrum lucidum</i> <i>Ligustrum sinense</i>	Broad/large-leaf Privet Small-leaf Privet	1:100 + surfactant Undiluted Undiluted	Spray (to kill regrowth) Cut stump/scrape stem Inject/axe cut	Seedlings/coppice shoots Saplings Large trees & shrubs
<i>Olea europaea africana</i>	African Olive	1:75-100 + surfactant Undiluted Undiluted	Spray Cut stump/scrape stem Inject/axe cut	Seedlings/coppice shoots Saplings (treat regrowth) Large trees & shrubs
PLANT FAMILY - ORCHIDACEAE				
<i>Epidendrum spp.</i>	Crucifix Orchid	metsulfuron methyl	Spray	
PLANT FAMILY - PASSIFLORACEAE				
<i>Passiflora edulis</i> <i>Passiflora foetida</i> <i>Passiflora suberosa</i> <i>Passiflora subpeltata</i>	Common Passionfruit Stinking Passionfruit Corky Passionfruit White Passionflower	1:100 + surfactant 1:1.5	Spray Cut stump/scrape stem	

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PLANT FAMILY - PITTOSPORACEAE				
<i>Pittosporum undulatum</i>	Sweet Pittosporum	1:100 Undiluted	Spray seedling Cut stump/inject/drill	
PLANT FAMILY - POACEAE				
<i>Andropogon virginicus</i>	Whisky Grass	1:100	Spray	
<i>Arundo donax</i>	Elephant Grass	1:50 Undiluted	Spray Cut stump	
<i>Arundinaria spp., Bambusa spp</i> <i>Phyllostachys spp.</i>	Bamboo	1:50 Undiluted	Spray Cut stump	Spray regrowth at 0.5m
<i>Briza maxima</i> <i>Briza minor</i>	Quaking Grass Shivery Grass	1:150	Spray	
<i>Ehrharta spp</i>	Veldt Grass	1:150-200	Spray	
<i>Paspalum urvillei</i> <i>Paspalum paspalodes</i>		1:100	Spray	
<i>Setaria glauca & geniculata</i>	Pigeon Grass	1:150-200	Spray	
<i>Setaria palmifolia</i>	Palm Grass	1:100+ surfactant	Spray	
<i>Stenotaphrum secundatum</i>	Buffalo Grass	1:100	Spray	
PLANT FAMILY - POLYGONACEAE				
<i>Acetosa sagittata</i>	Turkey Rhubarb	1:100 + surfactant Undiluted	Spray Scrape stem	
PLANT FAMILY - PHYTOLACCACEAE				
<i>Phytolacca octandra</i>	Inkweed	1:100 + surfactant	Spray	
<i>Rivina humilis</i>	Coral Berry			

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PLANT FAMILY - ROSACEAE				
<i>Rosa rubiginosa</i>	Sweet briar	Undiluted	cut stump/drill/axe cut/inject	
<i>Rubus fruticosus</i>	Blackberry	Undiluted	Cut stump/scrape stem	
PLANT FAMILY - RUBIACEAE				
<i>Coffea arabica</i>	Coffee	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY - RUTACEAE				
<i>Murraya paniculata</i>	Orange Jessamine	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY – SAPINDACEAE				
<i>Cardiospermum grandiflorum</i>	Balloon Vine	1:1.5 1:100 + surfactant	Cut Stump Spray	Re-treat regrowth
PLANT FAMILY - SOLANACEAE				
<i>Cestrum parqui</i>	Green Cestrum	Undiluted	Drill/scrape stem/cut stump	
<i>Lycium ferocissimum</i>	African Boxthorn	Undiluted	Drill/axe cut/scrape stem	
<i>Solanum mauritianum</i>	Tobacco Bush or Wild Tobacco	1:100 + surfactant Undiluted Undiluted	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
<i>Solanum seafortianum</i>	Brazilian Nightshade	1:100 + surfactant 1:1.5	Spray Cut stump/scrape stem	
PLANT FAMILY - TROPAEOLACEAE				
<i>Tropaeolum majus</i>	Nasturtium	1:100 + surfactant	Spray	

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PLANT FAMILY - ULMACEAE				
<i>Celtis sinensis</i>	Chinese Hackberry	1:100 + surfactant 1:1.5 1:1.5	Spray Cut stump/scrape stem Inject	Seedlings/coppice shoots Saplings Large trees & shrubs
PLANT FAMILY - VERBENACEAE				
<i>Lantana camara</i>		Undiluted	Cut stump/drill	
<i>Verbena bonariensis</i>		1:100	Spray	