

# Further information



## CHAPTER 5

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### 5.1 Legal status and responsibilities

#### Western Australia

Gorse is a declared plant under the *Agricultural and Related Resource Protection Act 1976*. It is declared P1 for the entire state (sale or movement prohibited), P2 for most districts (destroy all plants, prevent spread) and P3 for Albany, Cranbrook, Denmark and Plantagenet (destroy all infestations of <10 plants or <2 ha).

#### South Australia

Gorse is a declared plant under the *Natural Resources Management Act 2004*, and must be controlled throughout the state.

#### Victoria

Gorse is declared under the *Catchment and Land Protection Act 1994* as a "Regionally Prohibited Weed" in West Gippsland and East Gippsland. Land owners, including public authorities responsible for Crown land management, must eradicate or control gorse on their lands. Private landholders are responsible for control on private land but not on roadsides adjoining their property, which are the responsibility of VicRoads, municipalities or the Department of Sustainability and Environment (DSE), depending on the class of the road. Gorse is declared as a "Regionally Controlled Weed" in all other regions except for Mallee. Landowners have the responsibility to take all reasonable steps to control and prevent its spread and growth on their land and the roadsides that adjoin their land. Certain roadsides are exempt. Contact a local DSE or DPI office for further advice.

#### ACT

Gorse is a declared pest plant under the *Pest Plants and Animals Act 2005*; it must be suppressed and its propagation or supply is prohibited.

#### NSW

Gorse is declared a noxious weed for the purposes of the *Noxious Weeds Act 1993*. Gorse is designated in control class 2 (must be eradicated from the land and land must be kept free of the plant) for Armidale Dumareq, Bega Valley, Eurobodalla, Glen Innes, Guyra, Severn and New England Tablelands, Uralla and Walcha. It is designated control class 3 (must be fully and continuously suppressed and destroyed) for 21 other Local Control Authority areas.

#### Queensland

Gorse is declared a Class 1 pest under the *Land Protection (Pest and Stock Route Management) Act 2002*. Land managers are required to keep their land free of gorse. It is an offence to introduce, keep or sell Class 1 plants without a permit.

#### Northern Territory

Gorse is declared a Class A/C weed (to be eradicated/not to be introduced) in all of the Territory.

#### Tasmania

Gorse is declared under the *Weed Management Act 1999*, which prohibits importation/sale and delineates "Zone A" municipalities (Dorset, Flinders, King Island, Sorell, Tasman and Waratah/Wynyard) for eradication and reporting of new infestations. In "Zone B" (all other municipalities) the requirement is for containment of gorse.



## 5.2 Responsibility for gorse control on roadsides

This varies from state to state.

### Western Australia

Weed control on main roads is a state government responsibility, while control on secondary roads lies with local government.

### South Australia

Control of roadside gorse is the responsibility of the relevant Natural Resource Management Board, with adjoining land owners accountable for the costs of control.

### Victoria

Responsibility for roadside gorse control varies depending on the type of road. The situation is summarised below.

### Responsibility for roadside gorse control in Victoria (from<sup>1</sup>)

Category	Regionally prohibited	Regionally controlled
Type of road	Responsibility	Responsibility
Freeways	VicRoads	VicRoads
Highways	VicRoads	VicRoads
Main roads	Municipality (as VicRoads agent)	Municipality (as VicRoads agent)
Undeclared roads	DSE	Adjoining land-holder*
Unused roads	Adjoining land-holder*	Adjoining land-holder*

\* Except where exempt under Section 20 subsection 3 of the Act. The legal interpretation of these exemptions under Section 20 subsection 3 of the CaLP Act is currently being investigated. Please contact DSE or DPI for further advice (phone 13 61 86).

### ACT

Territory and Municipal Services are responsible for gorse control.

### NSW

Roadside gorse control is the responsibility of councils on most roads and the RTA manages gorse along freeways and motorways.

### Tasmania

Responsibility for gorse control on roadsides resides with the state government (through the Department of Infrastructure, Energy and Resources) on state roads and with local government on other roads.

## 5.3 Distinguishing between gorse and other prickly plants

(Table adapted from <sup>2)</sup>)

	Leaves	Spines	Flowers	Pods	Form of plant
Gorse <i>Ulex europaeus</i>	Leaves 6 to 30 mm x 1.5 mm; sharp-pointed	Spines to 50 mm long grey-green, hairy; all branches end in a spine	Bright yellow; Pea flower 15 to 25 mm long; "coconut-like" smell	10 to 20 mm long; black or dark brown; covered by dense, fine hairs	Multi-stemmed bush to 7 m
Some wattles <i>Acacia</i> species	Leaves 8 to 25 mm x 1 to 3 mm; sharp-pointed	None	Cream, to yellow; cylindrical head, up to 25 mm long or "ball" less than 10 mm across	25 to 90 mm long; green, brown, purple or black; hairless	Low spreading shrubs to small trees
Prickly box <i>Bursaria spinosa</i>	Leaves 10 to 50 mm long; not sharp-pointed	Small branches forming grey/brown spines	White; 10 mm across	Flat pods; 5 to 8 mm long	Upright shrub to small tree
Some bitterpeas <i>Daviesia</i> species	Narrow; 6 to 35 mm long; sharp-pointed	Green; all branches end in a spine	Orange and yellow; pea flower 10 mm long	Triangular pod; 10 mm long	Small shrub
Spiky anchorplant <i>Discaria pubescens</i>	10 mm long; not sharp-pointed	In opposite pairs along the branches	White; 5 mm long	3-lobed capsule; 5 mm long	Small shrub
Some needlebushes <i>Hakea</i> species	To 60 mm long; sharp-pointed	None	Tubular; cream/white; 10 to 20 mm long	heavy woody pod capsule; winged seeds	Small to medium shrub
Spiky violetbush <i>Melicytus dentatus</i>	Leaves 6 to 30 mm long; not sharp-pointed	Brown or grey spines	Pale yellow; to 10 mm long	Berry 4 to 5 mm across	Small to medium shrub
Geebung <i>Persoonia juniperina</i>	Leaves 10 to 30 mm long; sharp-pointed	None	Bright yellow; 8 to 10 mm long	Green/purple; 10 mm long	Small shrub
Some bushpeas <i>Pultenea</i> species	Leaves 8 to 20 mm long; sharp-pointed	None	Orange or yellow with purple/brown markings; pea flower 5 to 12 mm long	8 to 10 mm long	Small to medium shrub

For photos of these species go to:  
[www.understorey-network.org.au](http://www.understorey-network.org.au) > Plant Database

## 5.4 Registered herbicides

Herbicides registered for gorse control in Australia<sup>3</sup>

(As at 21 July 2009; herbicides are sorted alphabetically by active constituent(s) then by product name)



PRODUCT NAME	ACTIVE CONSTITUENTS
ALLFIRE RICOCHET HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
AW PULVERISE HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
CHEMAG COMMANDER 75-D HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
IMTRADE COMMANDER 75-D HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
NUFARM TROOPER 75-D HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
TORDON 75-D HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
TOWELUP 2,4-D HERBICIDE	2,4-D AS THE TRIISOPROPANOLAMINE SALT / PICLORAM AS THE TRIISOPROPANOLAMINE SALT
GRAZON EXTRA HERBICIDE	AMINOPYRALID PRESENT AS HEXYLOXYPROPYLAMINE SALT / PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
AW AGGRAV8 HERBICIDE	AMITROLE / AMMONIUM THIOCYANATE
CHEMAG AMITROLE T HERBICIDE	AMITROLE / AMMONIUM THIOCYANATE
CYNDAN WEEDKILLER HERBICIDE	AMITROLE / AMMONIUM THIOCYANATE
NUFARM AMITROLE T HERBICIDE	AMITROLE / AMMONIUM THIOCYANATE
GENEREX GLYDRY 700 HERBICIDE	GLYPHOSATE MONO-AMMONIUM SALT
NUFARM CREDIT BROADHECTARE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE AND MONO-AMMONIUM SALTS
NUFARM CREDIT DUO DUAL SALT TECHNOLOGY HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE AND MONO-AMMONIUM SALTS
NUFARM WEEDMASTER DUO DUAL SALT TECHNOLOGY HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE AND MONO-AMMONIUM SALTS
NUTURF RAZOR HERBICIDE DUAL SALT TECHNOLOGY	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE AND MONO-AMMONIUM SALTS
4FARMERS GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
AGRONICA POLARIS 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
AUS-GOOD CLEANUP 360 GLYPHOSATE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
BANISH 360 WEED KILLER	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
BAYER GLYPHOSATE 450 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
BIOCHOICE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
BIO-SMART 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
BIOTIS GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
CENTURION HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
CONQUEST SQUAREDOWN 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
COUNTRY GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
CROP CARE GLADIATOR HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
ECHEM GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
ECOMAX HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
FARMOZ WIPE OUT 450 NON RESIDUAL HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
FARMOZ WIPE-OUT 360 NON-RESIDUAL HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
FARMOZ WIPE-OUT BIO HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
FARMOZ WIPE-OUT CT ELITE BROADACRE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GENEREX GLYPHOSATE 360L	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GENEREX GLYPHOSATE 450L	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GENFARM PANZER 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GLISTER 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GLYCEL 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GLYFOS CLASSIC 450 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GLYFOS ENVISION HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GLYPHOKILL 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GRASS VALLEY GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GROW GREEN GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GULLF AG CLEARUP BIO 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
HALLEY GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
HEXTAR GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
KENDON KNOCKOUT 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
KENSO AGCARE KEN-UP AQUATIC 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
KEN-UP HERBICIDE BY KENSO	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
KLIN-UP 360 BIAQUATIC HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT

MACSPRED GLYMAC 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
NIHIL NON SELECTIVE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
NUFARM GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
OSPRAY GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
OZTEC GLYPHOSATE 360 NON SELECTIVE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
PESTMASTER AQUA-TECH GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
RICHGRO GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
RIPPER 480 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
ROUNDUP BIACTIVE HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
ROUNDUP HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
RYGEL CLEARUP BIO 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
SANOS 360 NON SELECTIVE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
SET-UP BIAQUATIC 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
SHOOT 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
SPALDING GLYPOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
SUPERWAY GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
SUREFIRE GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
TITAN GLYPHOSATE 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
TITAN GLYPHOSATE 450 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
TOUCHDOWN 360 HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
TURF CULTURE KERMIT GLYPHOSATE HERBICIDE	GLYPHOSATE PRESENT AS THE ISOPROPYLAMINE SALT
GLISTER 680WG HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
GULLF AG CLEARUP 700 BIO-DRI HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
KENSO AGCARE KEN-UP DRY 680 WG HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
KLIN-UP DRY 680 HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
MACPHERSONS GLYPHOSATE 700 DRI-FLO HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
MACPHERSONS GLYPHOSATE 700 SOLUBLE GRANULAR HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
MACPHERSONS GLYPHOSATE BI-DRI HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
MACPHERSONS GLYPHOSATE HI-LIGHT BLUE HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
MACSPRED GLYMAC DRI 700 HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
MACSPRED GLYPHOSATE BI DRI HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
ROUNDUP DRY HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
ROUNDUP READY HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
ROUNDUP READY HERBICIDE WITH PLANTSHIELD BY MONSANTO	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
RYGEL CLEARUP 700 BIO-DRI HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
SET-UP DRY 680 HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
TITAN GLYPHOSATE 700SG HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
WHITESTAR DRI GLYPHOSATE 700 HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT
DUPONT CUT-OUT BRUSH CONTROLLER	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT / METSULFURON-METHYL
RE-NU BRUSH CONTROL HERBICIDE	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT / METSULFURON-METHYL
TROUNCE BRUSH-PACK HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT / METSULFURON-METHYL
CHEMAG ERADICATOR 510 HERBICIDE	GLYPHOSATE PRESENT AS THE MONOETHANOLAMINE SALT
CHEMAG REBELLION 450 HERBICIDE	GLYPHOSATE PRESENT AS THE MONOETHANOLAMINE SALT
FARMOZ WIPE-OUT PLUS HERBICIDE	GLYPHOSATE PRESENT AS THE MONOETHANOLAMINE SALT
ROUNDUP MAX HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE MONOETHANOLAMINE SALT
BIOTIS HI-LOAD HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
COUNTRY GLYPHOSATE 540 HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
FIREBOLT HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
GLADIATOR OPTIMAX HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
IMTRADE TYRANUS 450 HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
RHODIA GLYPHOSATE POTASSIUM EXPRESS HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
RHODIA GLYPHOSATE POTASSIUM HIGH LOAD HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
ROUNDUP POWER MAX HERBICIDE BY MONSANTO	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
RYGEL CLEARUP IMPRESS 540 HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT



TOUCHDOWN HITECH HERBICIDE	GLYPHOSATE PRESENT AS THE POTASSIUM SALT
ACCURATE 600 WG HERBICIDE	METSULFURON-METHYL
AGRICROP BRUSH KING 600 HERBICIDE	METSULFURON-METHYL
APS METSULFURON WATER DISPERSIBLE GRANULE HERBICIDE	METSULFURON-METHYL
ARM METSULFURON HERBICIDE	METSULFURON-METHYL
AW MILITIA 600 WG HERBICIDE	METSULFURON-METHYL
CHEMAG METSULFURON WG HERBICIDE	METSULFURON-METHYL
CHEMFORCE METSULFURON 600WG HERBICIDE	METSULFURON-METHYL
CONQUEST METSULFURON 600 WG HERBICIDE	METSULFURON-METHYL
DUPONT BRUSH-OFF BRUSH CONTROLLER	METSULFURON-METHYL
DUPONT CIMARRON HERBICIDE	METSULFURON-METHYL
DUPONT SAVANNAH HERBICIDE	METSULFURON-METHYL
EICHEM METSULFURON-METHYL WG HERBICIDE	METSULFURON-METHYL
ESTEEM WDG SELECTIVE HERBICIDE	METSULFURON-METHYL
FARMOZ BUSHWACKER BRUSH CONTROL HERBICIDE	METSULFURON-METHYL
FARMOZ BUSHWACKER WG HERBICIDE	METSULFURON-METHYL
FARMOZ LYNX WG HERBICIDE	METSULFURON-METHYL
GENEREX METSULFURON	METSULFURON-METHYL
GENFARM METSULFURON 600 WG HERBICIDE	METSULFURON-METHYL
INNOVA METSULFURON 600 HERBICIDE	METSULFURON-METHYL
KEN-MET 600 WATER DISPERSIBLE GRANULE HERBICIDE	METSULFURON-METHYL
MACSPRED METMAC 600 HERBICIDE	METSULFURON-METHYL
METSUN 600 HERBICIDE	METSULFURON-METHYL
METSY 200 WG HERBICIDE	METSULFURON-METHYL
NUFARM ASSOCIATE HERBICIDE	METSULFURON-METHYL
OSPRAY METSULFURON 600WG HERBICIDE	METSULFURON-METHYL
OZCHEM WOODY WEED SPRAY HERBICIDE	METSULFURON-METHYL
PARTI-SAN 600 HERBICIDE BY SANONDA	METSULFURON-METHYL
RAINBOWGREEN METSULFURON BRUSH CONTROL HERBICIDE	METSULFURON-METHYL
RYGEL BRUSHMASTER HERBICIDE	METSULFURON-METHYL
RYGEL METSULFURON 600 WG HERBICIDE	METSULFURON-METHYL
S U METSULFURON 600 HERBICIDE	METSULFURON-METHYL
SELECTIVE HERBICIDE AIM WDG	METSULFURON-METHYL
SUMMIT SUM-MET DF HERBICIDE	METSULFURON-METHYL
TITAN METSULFURON 600 WG HERBICIDE	METSULFURON-METHYL
TWO-WAY 600 WG HERBICIDE	METSULFURON-METHYL
UNITED FARMERS METSULFURON METHYL 600 HERBICIDE	METSULFURON-METHYL
UNITED FARMERS METSULFURON WG HERBICIDE	METSULFURON-METHYL
WHITESTAR METSULFURON 600WG HERBICIDE	METSULFURON-METHYL
WSD METSULFURON HERBICIDE	METSULFURON-METHYL
TORDON DOUBLE STRENGTH HERBICIDE	PICLORAM AS THE TRIISOPROPANOLAMINE SALT / TRICLOPYR AS THE TRIETHYLAMINE SALT
GENFARM TRICLOPYR/PIC HERBICIDE	PICLORAM HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
TORDON GEL HERBICIDE	PICLORAM POTASSIUM SALT
GALLOP HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR BUTOXYETHYL ESTER
CONQUEST HATCHET HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHANOL ESTER
4FARMERS TRI-PICK HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
ALLGRAZE SELECTIVE HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
AW WOODY HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
COUNTRY PICLORAM/TRICLOPYR HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
FARMOZ FIGHTBACK HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER

GENEREX TRICHLORAM HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
GRASS-UP HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
GRAZON DS HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
HALLEY TRICLOZON HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
INNOVA PICLORAM + TRICLOPYR 400 HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
KENSO AGCARE KEN-ZON HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
MACSPRED CLEARMAC DS BRUSH HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
NUFARM CONQUEROR HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
OSPRAY PICKOUT HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
PICKER HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
SUPERWAY TRI-PIC HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
TITAN PICLORAM + TRICLOPYR 400 HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
TOKEN HERBICIDE	PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT / TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
VIGILANT HERBICIDE GEL	PICLORAM PRESENT AS THE POTASSIUM SALT
TRICLON 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHANOL ESTER
4FARMERS TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
AGROREG TRICLOPYR 600 EC HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
ALLFIRE TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
AMGROW CHEMSPRAY WEED CONTROL TREE & BLACK-BERRY KILLER	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
AW TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
BIOSORB 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
CHEMFORCE TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
CONQUEST MACA 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
CROP CARE GRANDO 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
FARMOZ SAFARI 600EC HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
GARLON 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
GENEREX TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
GENFARM TRIDENT 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
HALLEY TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
HURRICANE 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
IMTRADE HURRICANE 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
INNOVA TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
KENSO AGCARE TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
MELON 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
NUFARM INVADER 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
OSPRAY TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
REDEEM 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
RYGEL TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
SMART TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
SUPERWAY TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
TITAN TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
UNI-LON 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
UNITED FARMERS TRICLOPYR 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
WEEDPRO TRYCLOPS 600 HERBICIDE	TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER



## 5.5 Off-label and minor use permits

Off-label and minor use permits for some herbicides have been issued for some states.

Search for off-label permits through the Australian Pesticides and Veterinary Medicines Authority (APVMA): Website: [www.apvma.gov.au](http://www.apvma.gov.au) > SEARCH for permits

Permit numbers for the states are as follows:

State	Permit number
Western Australia	9655
South Australia	7869
South Australia	8865
Australian Capital Territory	9460
New South Wales	8219
New South Wales	8783
New South Wales	9158
Tasmania	8949

## 5.6 Chemical certification

Chemical users in NSW, ACT and Tasmania need certification to apply herbicides in a commercial situation. In Victoria, users of chemicals with a triclopyr component need certification to apply those herbicides. For more information about certification in these states, use the following web addresses or phone numbers:

New South Wales Environment Protection Authority:  
Website: [www.environment.nsw.gov.au](http://www.environment.nsw.gov.au) > Environmental Issues > Chemicals and pesticides > Training Training Phone: 131 555 and ask to speak to a pesticides officer

Victoria's Department of Primary Industries:  
Website: [www.dpi.vic.gov.au](http://www.dpi.vic.gov.au) > Agriculture > General farming > Chemical use > Application Forms Phone: 136 186

Tasmania's Department of Primary Industries and Water:  
Website: [www.dpiw.tas.gov.au](http://www.dpiw.tas.gov.au) > Food &

Agriculture > Agricultural & Veterinary Chemicals > Licences & Certificates  
Phone 1300 368 550

## 5.7 Weather for spraying/avoiding spray drift

Before you spray with herbicides it is important to understand the best weather conditions for spraying and to take steps to avoid spray drift. Useful information can be found through these organisations:

Australian Bureau of Meteorology:  
Website: [www.bom.gov.au](http://www.bom.gov.au) > Learn About Meteorology > search 'P' in the topics list > Pesticide Spraying, Weather for  
Phone: (03) 9669 4000

NSW Department of Primary Industries:  
Website: [www.dpi.nsw.gov.au/agriculture](http://www.dpi.nsw.gov.au/agriculture) > Farm management > Farm chemicals > Reducing herbicide spray drift Phone: (02) 6391 3100

## 5.8 Guidelines for using herbicides in riparian zones

It is important to consider the risks associated with the use of herbicides in and around riparian and aquatic zones. Information on this subject is provided by the Cooperative Research Centre for Australian Weed Management:

Website: [www.weedscrc.org.au](http://www.weedscrc.org.au) > Publications > Factsheets and Guidelines > herbicides: guidelines for use in and around water  
Phone: (08) 8303 6590

Also useful is: <http://www.weedscrc.org.au> > Publications > Weed Management Guides > habitat management guides > Riparian Weed management in riparian areas: south-eastern Australia

## 5.9 Regulations and permits for works in riparian zones

Some states and territories have regulations or require permits for work undertaken in riparian zones. Contact details for Victorian and NSW Catchment Management Authorities are listed here.

In Victoria, search the internet to find your area's Catchment Management Authority:

For example: [www.glenelg-hopkins.vic.gov.au](http://www.glenelg-hopkins.vic.gov.au) > About Us > Waterways > Waterway Management

Or: [www.necma.vic.gov.au](http://www.necma.vic.gov.au) > Resource Guide > Works on Waterways

Or: [www.nccma.vic.gov.au](http://www.nccma.vic.gov.au) > NCCMA Functions > North Central RCS > Works on Waterways Permits

NSW guidelines can be found at:

website: [www.nativevegetation.nsw.gov.au](http://www.nativevegetation.nsw.gov.au) > State Protected Land > Guideline for the clearing of Exotic Trees and Dead Native Trees on State Protected Land

## 5.10 State and regional contacts for gorse information

For more information about gorse control in your state, contact the relevant agency:

State	Telephone number	Internet
Western Australia	08 9368 3333	<a href="http://www.agric.wa.gov.au">www.agric.wa.gov.au</a>
South Australia	08 8303 9620	<a href="http://www.dwlbc.sa.gov.au">www.dwlbc.sa.gov.au</a>
Victoria	13 61 86	<a href="http://www.dpi.vic.gov.au">www.dpi.vic.gov.au</a>
Australian Capital Territory	13 22 81	<a href="http://www.tams.act.gov.au/live/environment">www.tams.act.gov.au/live/environment</a>
New South Wales	Your local council or shire	
Tasmania	1300 368 550	<a href="http://www.dpiw.tas.gov.au">www.dpiw.tas.gov.au</a>

## 5.11 National Mapping

Accurate mapping of gorse distribution is a vital part of nationally strategic best practice management. To facilitate this, the Bureau of Rural Sciences' new *A field guide for surveying and mapping nationally significant weed* is enclosed as a CD in the rear cover and will give government and community land managers in all states the tools they need to map gorse consistently.

Below is the agreed Weeds of National Significance (WoNS) mandatory and optional core attributes (from the above-mentioned field manual <sup>4</sup>)



## 5.12 WoNS Core Attributes for mapping gorse from enclosed CD 'A Field Manual for Surveying & Mapping Nationally Significant Weeds'

Attribute	Description																		
1 Data record	Unique identifier for the site record. Allocated and maintained by the data custodian																		
2 Name of weed	Common name, genus, species, sub-species, variety, hybrid. Any uncertainty on naming recorded in the 'comments' field																		
3 Day/month/year	Collection/observation date or the date the survey commenced. Prefer DD-MON-YYYY, e.g. 12-DEC-2001 as this format is less error-prone than pure numeric dates																		
4 Source of data	Name of collector or institution, identifies either personal contact details or the name of the institution where the record is derived																		
5 Purpose of visit	Reason/s site was chosen. For example, to assess type and extent of WoNS prior to treatment or monitoring to determine effectiveness of management action after treatment																		
6 Place name or locality	Plain language description of location e.g. '10 km west of Bourke'. Provides a useful cross-check against specified geocode (latitude and longitude)																		
7 Latitude	Latitude in degrees, minutes and seconds. Prefer decimal degrees or AMG coordinates with Zone and datum noted – for GPS entries																		
8 Longitude	Longitude in degrees, minutes and seconds. As for latitude																		
9 Precision of latitude-longitude	Precision of measurement in its locating the site. Measured in metres. Records how the latitude/longitude was determined (GPS, topographic map or estimated)																		
10 Area	Area of the infestation measured in hectares. Area of the infestation defined by the outside boundary. For infestations measured by transect, indicate length of transect (in metres)																		
11 Cover/densityDensity	measured by class intervals. Prefer data that records raw density as a percent. For rapid survey density data may be collected as classed data e.g. 55–100% cover=dense <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Class number</th> <th>Class description<sup>5</sup></th> </tr> </thead> <tbody> <tr><td>1</td><td>absent</td></tr> <tr><td>2</td><td>less than 1%</td></tr> <tr><td>3</td><td>1% to 10%</td></tr> <tr><td>4</td><td>11% to 50%</td></tr> <tr><td>5</td><td>greater than 50%</td></tr> <tr><td>6</td><td>present (density unknown)</td></tr> <tr><td>7</td><td>not known or uncertain</td></tr> <tr><td>8</td><td>not assessed</td></tr> </tbody> </table>	Class number	Class description <sup>5</sup>	1	absent	2	less than 1%	3	1% to 10%	4	11% to 50%	5	greater than 50%	6	present (density unknown)	7	not known or uncertain	8	not assessed
Class number	Class description <sup>5</sup>																		
1	absent																		
2	less than 1%																		
3	1% to 10%																		
4	11% to 50%																		
5	greater than 50%																		
6	present (density unknown)																		
7	not known or uncertain																		
8	not assessed																		
12 Treatment/s	Types/s of control or management. Management could include subcategories of mechanical, chemical, biological. No treatment should also be recorded.																		
13 Comments	Qualifications and factors likely to affect the adequacy of the record e.g. inadequate time spent. Anecdotal observations of the sites or photograph/s																		
14 <i>Core site number of records*</i>	<i>Number of records for the site or overlapping site. Records multiple sites spatially or multiple visits over time. May be left blank</i>																		
15 <i>Land use category*</i>	<i>Land use/s observed at the site according to agreed national classification. Select from Australian Land Use and Management Classification land use categories.</i>																		

\* Attributes 1–13 are mandatory core attributes. Attributes 14 and 15 (shown in italics) are optional core attributes.



1% to 10% gorse cover



11% to 50% gorse cover



Greater than 50% gorse cover



10% weed cover



25% weed cover



75% weed cover

*(Tasmanian weed mapping guidelines)*

## References

1. Gorse Task Force. Controlling gorse successfully. Breakwater: Department of Sustainability and Environment and Department of Primary Industries, Victoria, 2005.
2. Baker M, email, 10 January 2006, Tasmanian Museum and Art Gallery.
3. Australian Pesticides & Veterinary Medicines Authority, 21 July 2009, [www.apvma.gov.au](http://www.apvma.gov.au) > Search PUBCRIS for Registered Chemicals
4. Thackway R., McNaught I, Cunningham D. A national set of core attributes for surveying, mapping and monitoring Weeds of National Significance (WoNS). Canberra: Bureau of Rural Sciences, Australian Capital Territory, 2004.
5. McNaught I, Thackway R, Brown L, Parsons M. A field manual for surveying and mapping nationally significant weeds. Canberra: Bureau of Rural Sciences, 2006.