



PLANTS FOR WASTEWATER SYSTEMS

This is a preliminary list of Tasmanian native plants for gardens to be irrigated with the water from domestic aerobic wastewater treatment systems (e.g. Biocycle, Envirocycle etc.).

Plant tolerance to wastewater irrigation depends on a range of factors. Existing soil type, drainage, nutrient levels and pH are some. The amount of wastewater distributed over the given area and the quality of the water will be the main factors that influence the final outcome. Plants have a limited tolerance to some of the nutrients and salts that can come through a system. Phosphorus, Boron and various Sodium salts are common nutrients that may come through a system and accumulate in the soil to problem levels.

Some basic rules:

- Choose phosphorus free products.
- Choose liquid detergents in favour of powders.

The plants listed below were chosen for their general tolerance to higher nutrient levels and to moderate salt levels.

They are rated according to their ability to tolerate periods of high soil moisture: 1 = tolerates short periods of wet, through to – 5 = tolerates permanent wet.

Keep in mind that soil moisture will:

- depend on drainage (soil texture and structure),
- reduce as plants grow and use water,
- vary from summer to winter,

Note: This list will be revised as new information becomes available, your feedback is much appreciated.

Trees		
Acacia dealbata	Silver Wattle	2
Acacia melanoxylon	Blackwood	2
Eucalyptus barberi	Barber's Gum	1
Eucalyptus coccifera	Snow Peppermint	2
Eucalyptus dalrympleana	Mountain White Gum	2
Eucalyptus globulus	Blue Gum	1
Eucalyptus gunnii	Cider Gum	2
Eucalyptus nitida	Smithton Peppermint	2
Eucalyptus ovata	Swamp Gum	4
Eucalyptus pauciflora	Cabbage Ash	2
Eucalyptus perriniana	Spinning Gum	1
Eucalyptus rodwayi	Black Swamp Gum	4
Eucalyptus viminalis	White Gum	2
Notelaea ligustrina	Native Olive	2

Large Shrubs (small trees) (over 2 m)		
Acacia riceana	Rices Wattle	2
Allocasuarina duncanii	Duncan's She-oak	1
Acacia mucronata	Narrow-leaf Wattle	2
Acacia verticillata	Prickly Moses	3
Beyeria viscosa	Pinkwood	2
Callistemon pallidus	Yellow Bottlebrush	3
Cassinia aculeata	Dolly Bush	2
Hakea epiglottis	Beaked Hakea	2
Hakea lissosperma	Needle Bush	2
Hakea nodosa	Yellow Hakea	1
Micranthemum hexandrum	Box Micranthemum	3
Nematolepis squamea	Satinwood	2
Olearia argophylla	Musk	2
Ozothamnus ferrugineus	Tree Everlasting	2
Pittosporum bicolor	Cheesewood	2
Pomaderris apetala	Dogwood	2
Prostanthera lasianthos	Christmas Bush	2
Leptospermum lanigerum	Woolly Tea-Tree	4
Leptospermum nitidum	Shiny Tea-Tree	4
Leptospermum riparium	River Tea-Tree	4
Leptospermum scoparium	Manuka	3
Melaleuca ericifolia	Paper Bark	4
Melaleuca squarrosa	Scented Paper Bark	4

Small Shrubs (to approx. 2 m)		
Bauera rubiodes	Bauera	2
Callistemon viridiflorus	Green Bottlebrush	4
Coprosma quadrifida	Native Currant	2
Correa lawrenceana	Mountain Correa	2
Dodonaea filiformis	Fine Leaved Hop Bush	2
Grevillea australis	Honey Grevillea	2
Hakea microcarpa	Tiny Devil Hakea	3
Hymenanthera dentata	Tree Violet	1
Lomatia tinctoria	Guitar Plant	2
Melaleuca gibbosa	Small Leaf Melaleuca	3
Melaleuca pustulata	Yellow Paperbark	3
Olearia phlogopappa	Dusty Daisybush	1
Oxylobium ellipticum	Golden Rosemary	1
Phebalium daviesii	Davies' Wax Flower	1
Pomaderris elliptica	Yellow Dogwood	1
Prostanthera rotundifolia	Round Leaf Mint Bush	1
Westringia brevifolia	Coast Westringia	1
Leptospermum rupestre	Mountain Tea-Tree	2
Melaleuca squamea	Swamp Melaleuca	3

Small Plants & Ground Covers (to approx. 0.5 m)		
Derwentia derwentiana	Derwent Speedwell	2
Dichondra repens	Kidney Weed	2
Euryomyrtus ramosissima	Creeping Heathmyrtle	2
Gonocarpus micranthus	Creeping Raspwort	2
Goodenia elongata	Lanky Goodenia	3
Grevillea australis	Alpine Grevillea	2
Hibbertia procumbens	Spreading Guineaflower	2
Lobelia anceps	Creeping Lobelia	3
Pratia pedunculata	Matted Pratia	2
Senecio pinnatifolius	Variable Groundsel	2
Scleranthus biflorus	Cushion Plant	2
Stackhousia monogyna	Forest Candles	1
Tetratheca pilosa	Blackeyed Susan	1
Trachymene humilis	Alpine Trachymene	2
Veronica gracilis	Slender Speedwell	2
Viola hederacea	Wild Violet	2
Xerochrysum subundulatum	Orange Everlasting	2
		2

Grasses, Lilies, Sedges...		
Bulbine glauca	Rock Lily	1
Dianella brevicaulis	Arching Flax Lily	1
Dianella tasmanica	Tasman Flax Lily	2
Diplarrena latifolia	Western Flag Iris	4
Diplarrena moraea	White Flag Iris	2
Gahnia rodwayi	Dwarf Sawsedge	2
Lomandra longifolia	Sagg	3
Patersonia occidentalis	Long-stalked Purple Iris	2
Poa clivicola	Fine-leaved Snowgrass	2
Poa fawcettiae	Snow Grass	2
Poa labillardierei	Tussock Grass	2
Themeda triandra	Kangaroo Grass	2

Ferns		
Blechnum minus	Soft Water Fern	3
Blechnum nudum	Fishbone Water Fern	3
Blechnum penna-marina	Alpine Water Fern	2
Blechnum watsii	Hard Water Fern	2
Polystichum proliferum	Mother Shield Fern	2
Todea barbara	King Fern	2

Water & Bog Plants		
Baloskion australe	Mountain Cord Rush	4
Baloskion tetraphyllum	Tassel Cord Rush	5
Bolboschoenus caldwellii	Sea Clubsedge	5
Carex appressa	Tall Sedge	4
Carex fascicularis	Tassel Sedge	5
Carex inversa	Knob Sedge	4
Carex tasmanica	Curly Top Sedge	4
Cyperus lucidus	Leafy Flatsedge	4
Gahnia grandis	Cutting Grass	4
Gunnera cordifolia	Heart Leaved Gunnera	4
Isolepis nodosa	Knobby Clubsedge	4
Juncus gregiflorus	Manifold Rush	4
Juncus pallidus	Pale Rush	4
Juncus krausii	Sea Rush	4
Mazus pumilio	Swamp Mazus	4
Myriophyllum variifolium	Variable Watermilfoil	5
Neopaxia australasica	White Purslane	5
Ranunculus prasinus	Tunbridge Buttercup	4
Villarsia reniformis	Marsh Flower	5