

FACT SHEET

SALT TOLERANT TREE & GRASS SPECIES FOR THE YASS AREA

Revegetation is an important component in the treatment of dryland salinity. The tree and shrub species listed below have varying levels of tolerance to salinity. Trees and shrubs generally should not be planted directly into scalded discharge areas (ie. bare salty patches), but rather on the boundary of the affected area (see also the Fact Sheet; *How to Manage Saline Discharge Areas*). Bare saline sites are best managed by sowing salt tolerant pasture species (listed below).

SALT TOLERANT TREES AND SHRUBS

BOTANICAL NAME	COMMON NAME	SALT TOLERANCE	GENERAL COMMENTS
<i>Acacia longifolia</i>	Sydney golden wattle	slight-moderate	tolerates wet sites, frost tolerant
<i>Acacia mearnsii</i>	Black wattle	slight (varies with provenance)	fast growing
<i>Acacia melanoxylon</i>	Blackwood	slight-moderate (varies with provenance)	tolerant of periodic waterlogging, slow growing
<i>Acacia retinoides</i>	Swamp wattle	moderate-high	tolerant of wet sites with saline sub-soils, frosts
<i>Casuarina glauca</i>	Swamp she-oak	moderate-high (varies with provenance)	tolerates waterlogging, mild-moderate frost tolerance
<i>Eucalyptus aggregata</i>	Black gum	slight	good in wet areas
<i>Eucalyptus camaldulensis</i>	River red gum	moderate (large variation in provenance)	tolerates waterlogging
<i>Eucalyptus camphora</i>	Swamp gum	slight-moderate	good in wet areas
<i>Eucalyptus melliodora</i>	Yellow box	slight-moderate	slow growing
<i>Eucalyptus ovata</i>	Swamp gum	slight	tolerates waterlogging, frost tolerant, slow growing
<i>Melaleuca ericifolia</i>	Swamp tea-tree	moderate	highly frost tolerant

OTHER REVEGETATION SPECIES USEFUL FOR SALINE AREAS

BOTANICAL NAME	COMMON NAME	SALT TOLERANCE
<i>Callistemon citrinus</i>	Crimson bottlebrush	medium salt tolerance
<i>Casuarina obesa</i>	Swamp she-oak	highly salt tolerant tolerates waterlogging tolerates mild frosts
Eucalyptus astringens	Brown mallet	slightly salt tolerant
<i>Eucalyptus botryoides</i>	Bangalay	low-moderate salt tolerance tolerant of waterlogged soils
<i>Eucalyptus leucoxylon</i>	Yellow gum	slight/moderate salt tolerance sub-species variation in tolerance
<i>Eucalyptus robusta</i>	Swamp mahogany	moderately salt tolerant highly tolerant waterlogging
<i>Eucalyptus sideroxylon</i>	Mugga ironbark	slightly salt tolerant
<i>Melaleuca bracteata</i>	River tea-tree	moderately salt tolerant moderately frost tolerant
<i>Melaleuca decussata</i>	Cross-leaf honey myrtle	highly salt tolerant highly frost tolerant

SALT TOLERANT PASTURE MIX

For slightly saline sites - 2-4 dS/M*

COMMON NAME	RATE OF MIX
Australian phalaris	2 kg/ha
Tall wheat grass	4-6 kg/ha
Demeter fescue	4 kg/ha
Trikkala or gosse sub clover	2 kg/ha
Perennial ryegrass	2 kg/ha
Palestine Strawberry clover	1 kg/ha
Paradana Balansa clover	1 kg/ha
Fertiliser - nitrogen and phosphorus mix with sulphur present, eg Starter 15	125 kg/ha

* deci-Siemens per metre

For moderately saline sites - 4-8 dS/M*

COMMON NAME	RATE OF MIX
Australian phalaris	2 kg/ha
Tall wheat grass	4-6 kg/ha
Demeter fescue	4 kg/ha
Puccinellia	2-4 kg/ha
Perennial ryegrass	1-2 kg/ha
Palestine Strawberry clover	2 kg/ha
Paradana Balansa clover	2 kg/ha
Fertiliser - nitrogen and phosphorus mix with sulphur present, eg Starter 15	125 kg/ha

* deci-Siemens per metre

For severely saline sites - 8+ dS/M*

COMMON NAME	RATE OF MIX
Tall wheat grass	6-10 kg/ha
Puccinellia	2 kg/ha
Palestine Strawberry clover	2-3 kg/ha
Fertiliser - nitrogen and phosphorus mix with sulphur present, eg Starter 15	125 kg/ha

* deci-Siemens per metre