Tree Species List

MoES 2025

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Version: 1.0

Tree Species List (Public Land)

This document is the pre-approved list of trees that can be used in public land including road reserves and open Space and recreational land. The document provides criteria for where a certain tree is suitable. This document needs to be read in conjunction with:

- MoES Technical Guideline: Street Trees
- Canopy Cover and Maitland City Council DCP

FIELD	DESCRIPTION
Location Type	L1 (Small): 1.2–2.5 m soil width (e.g., verge on footpath side between kerb and footpath)
	L2 (Medium): >2.5–3.5 m soil width (e.g., verge on non-footpath side or blisters)
	L3 (Large): >3.5–4.5 m soil width (e.g., blister on non-footpath side, medians)
	L4 (Parks & Open Spaces): >4.5 m wide soil width – not suitable for street tree planting
Under Power Lines	Indicates if species are suitable for growing under or near power lines. Species may still require trimming but can tolerate regular crown reduction (AS4373).
Height	Estimated mature height (in metres) under typical street conditions. Influenced by soil quality and surrounding environmental conditions.
Width	Estimated mature canopy spread (diameter in metres).
Minimum Soil Volume	The minimum soil volume (in cubic metres) needed to support basic tree health and growth for the species.
Desirable Soil Volume	The recommended optimal soil volume (in cubic metres) for long-term tree health, growth, and canopy development.
Predicted Canopy Area	The expected canopy area (in square metres) at maturity under typical growing conditions.
Origin	**A** = Australian (non-local)
	L = Locally Native
	E = Exotic
Restrictions	Any site or species-specific limitations, including infrastructure conflicts, invasive tendencies, or unsuitable conditions.

*Maitland City Council acknowledges that its Tree Selection Matrix has drawn upon information and guidance provided in the Newcastle City Council Street Tree Selection Manual (March 2016). We appreciate the valuable work undertaken by Newcastle City Council in developing this resource and recognise its contribution to promoting best practice in urban tree selection and management.

SCIENTIFIC NAME	COMMON NAME	FAMILY	LOCATION	UNDER POWERLINES	HEIGHT	WIDTH	MINIMUM SOIL VOLUME (M^3)	DESIRABLE SOIL VOLUME (M^3)	PREDICTED CANOPY AREA	ORIGIN	RESTRICTIONS
Acer rubrum (varieties)	Maple varieties	Aceraceae	L1	N	12-15	6-8	20	40	50	E	
Acer rubrum 'Fairview Flame'	Red Maple	Aceraceae	L1	N	12-15	6-8	20	40	50	E	
Alphitonia excelsa	Red Ash	Rhamnaceae	L1	N	8-12	6-8	20	40	50	L	
Alphitonia petriei	Pink Almond	Rhamnaceae	L1	N	8-12	3-6	5	15	28	A	
Auranticarpa rhombifolia	Diamond-Leaf Laurel	Pittosporaceae	L1	N	8-12	3-6	5	15	28	A	Columnar form - not to be used where shade tree required. *prev.Pittosporum rhombifolium*
Elaeocarpus eumundii	Smooth-leaved Quandong	Eleocarpaceae	L1	N	8-12	3-6	5	15	28	A	
Elaeocarpus obovatus	Hard Quandong	Eleocarpaceae	L1	N	8-12	3-6	5	15	28	L	
Grevillea baileyana	White Oak	Proteaceae	L1	N	8-12	6-8	20	40	50	A	
Pyrus calleryana 'Capital'	Callery selection	Rosaceae	L1	N	8-12	2-4	5	15	13	E	Columnar form - not to be used where shade tree required.
Pyrus calleryana 'Chanticleer'	'Chanticleer' Callery Pear	Rosaceae	L1	N	8-12	3-6	5	15	28	E	Columnar form - not to be used where shade tree required.
Acacia maidenii	Maidens Wattle	Mimosaceae	L1	Y	8-12	6-8	20	40	50	L	
Acmena hemilampra	Broad-leaved Lillypilly	Myrtaceae	L1	Y	< 8	3-6	5	15	28	A	
Angophora hispida	Dwarf Apple	Myrtaceae	L1	Y	< 8	3-6	5	15	28	L	
Backhousia citriodora	Lemon Myrtle	Myrtaceae	L1	Y	< 8	3-6	5	15	28	A	
Backhousia myrtifolia	Grey Myrtle	Myrtaceae	L1	Y	< 8	3-6	5	15	28	L	
Banksia integrifolia	Coastal Banksia	Proteaceae	L1	Y	< 8	3-6	5	15	28	L	Does not tolerate waterlogged soils. Must review soil type and drainage in planting area.
Buckinghamia celsissima	Ivory Curl Flower	Proteaceae	L1	Y	< 8	3-6	5	15	28	A	
Buckinghamia ferruginiflora	Noah's Oak	Proteaceae	L1	Y	< 8	3-6	5	15	28	A	
Callistemon salignus	Willow Bottlebrush	Myrtaceae	L1	Y	8-12	3-6	5	15	28	L	
Cupaniopsis anacardioides	Tuckeroo	Sapindaceae	L1	Y	< 8	3-6	5	15	28	L	
Eleaocarpus reticulatus	Blueberry Ash	Eleocarpaceae	L1	Y	< 8	3-6	5	15	28	L	
Geijera parviflora	Wilga Wilga	Rutaceae	L1	Y	< 8	3-6	5	15	28	A	
Glochidion ferdinandi	Cheese Tree	Phyllanthaceae	L1	Y	8-12	3-6	5	15	28	L	
Gordonia axillaris	Gordonia	Theaceae	L1	Y	<8	3-6	5	15	28	E	
Harpullia pendula	Tulipwood	Sapindaceae	L1	Y	< 8	6-8	20	40	50	A	
Lagerstroemia indica (varieties)	Crepe Myrtle	Lythraceae	L1	Y	< 8	3-6	5	15	28	E	
Lagerstroemia indica 'Biloxi	Crepe Myrtle	Lythraceae	L1	Y	< 8	3-6	5	15	28	E	
Magnolia grandiflora 'Little Gem'	Little Gem Magnolia	Magnoliaceae	L1	Y	8-12	3-6	5	15	28	E	
Melicope elleryana	Pink Euodia	Rutaceae	L1	Y	< 8	3-6	5	15	28	A	
Pistacia chinensis	Chinese Pistachio	Anarcardiaceae	L1	Y	< 8	3-6	5	15	28	E	
Tristaniopsis laurina	Watergum	Myrtaceae	L1	Y	< 8	3-6	5	15	28	L	
Tristaniopsis laurina 'Luscious'	Luscious Watergum	Myrtaceae	L1	Y	< 8	3-6	5	15	28	L	

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Backhousia anisata (syn Anetholia)	Aniseed Tree	Myrtaceae	L2	N	8-12	6-8	20	40	50	A	
Brachychiton acerifolius	Illawarra Flame Tree	Sterculiaceae	L2	N	8-12	6-8	20	40	50	L	
Brachychiton discolor	Lacebark	Sterculiaceae	L2	N	12-15	6-8	20	40	50	L	
Brachychiton populneus	Kurrajong	Sterculiaceae	L2	N	12-15	6-8	20	40	50	L	Not suitable as shade tree due to leaf loss in hot/dry periods.
Grevillea hilliana	White Silky Oak	Proteaceae	L2	N	12-15	6-8	20	40	50	A	
Lophostemon confertus	Brushbox	Myrtaceae	L2	N	12-15	6-8	20	40	50	A	
Rhodosphaera rhodanthema	Tulip Satinwood	Anarcardiaceae	L2	N	8-12	6-8	20	40	50	A	
Streblus brunonianus	Whalebone Tree	Moraceae	L2	N	8-12	3-6	20	40	28	L	
Waterhousea floribunda	Weeping Lilly Pilly	Myrtaceae	L2	N	12-15	3-6	20	40	79	L	
Xanthostemon chrysanthus	Golden Penda	Myrtaceae	L2	N	8-12	6-8	20	40	50	A	
Zelkova serrata 'Green Vase'	Japanese Zelkova	Ulmaceae	L2	N	12-15	8-10	20	40	79	E	
Acmena smithii	Lilly Pilly	Myrtaceae	L2	Y	8-12	6-8	20	40	50	L	
Koelreuteria paniculata	Golden Rain	Sapindaceae	L2	Y	< 8	3-6	5	15	28	E	
Acer rubrum (varieties)	Maple varieties	Aceraceae	L3	N	12-15	6-8	20	40	50	E	
Acer rubrum 'Fairview Flame'	Red Maple	Aceraceae	L3	N	12-15	6-8	20	40	50	E	
Araucauria heterophylla	Norfolk Pine	Araucariaceae	L3	N	20+	6-8	20	40	50	A	
Caesalpinia ferrea	Leopard Tree	Ceasalpinaceae	L3	N	8-12	6-8	20	40	50	E	
Calodendrum capense	Cape Chestnut	Rutaceae	L3	N	8-12	6-8	20	40	50	E	
Corymbia eximia	Yellow Bloodwood	Myrtaceae	L3	N	12-15	6-8	20	40	50	L	
Corymbia maculata	Spotted Gum	Myrtaceae	L3	N	15-20	6-8	20	40	50	L	
Drypetes deplanchei	Yellow Tulipwood	Putranjivaceae	L3	N	8-12	3-6	20	40	28	L	
Eucalyptus microcorys	Tallowwood	Myrtaceae	L3	N	15-20	6-8	20	40	50	L	
Eucalyptus punctata	Grey Gum	Myrtaceae	L3	N	15-20	6-8	20	40	50	L	
Eucalyptus sideroxylon 'Rosea'	Ironbark	Myrtaceae	L3	N	12-15	6-8	20	40	50	L	Not for exposed areas, prevailing winds due to high prevalence of branch drop.
Flindersia australis	Crows Ash	Rutaceae	L3	N	12-15	8-10	20	40	79	A	
Flindersia xanthoxyla	Yellowood	Rutaceae	L3	N	15-20	6-8	20	40	50	A	
Magnolia grandiflora 'Exmouth'	Evergreen Magnolia	Magnoliaceae	L3	N	12-15	6-8	20	40	50	E	
Syzygium australe	Brush Cherry	Myrtaceae	L3	N	8-12	6-8	20	40	50	L	
Syzygium jambos	Rose Apple	Myrtaceae	L3	N	8-12	6-8	20	40	50	A	
Syzygium luehmannii	Small-leaved Lilly Pilly	Myrtaceae	L3	N	8-12	6-8	20	40	50	A	
Syzygium moorei	Rose Apple	Myrtaceae	L3	N	8-12	6-8	20	40	50	A	
Syzygium oleosum	Blue Lilly Pilly	Myrtaceae	L3	N	8-12	6-8	20	40	50	L	
Syzygium paniculatum	Magenta Cherry	Myrtaceae	L3	N	8-12	6-8	20	40	50	L	

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Ulmus parvifolia 'Burnley Select'	Chinese Elm	Ulmaceae	L3	N	8-12	6-8	20	40	50	E	
Zelkova serrata 'Green Vase'	Japanese Zelkova	Ulmaceae	L3	N	12-15	8-10	20	40	79	E	Columnar form - not to be used where shade tree required.
Agathis robusta	Kauri Pine	Araucariaceae	L4	N	20+	6-8	50	80	50	A	
Alloxylon flammeum	Tree Waratah	Proteaceae	L4	N	12-15	6-8	50	80	50	A	
Angophora costata	Smooth-barked Apple	Myrtaceae	L4	N	12-15	8-10	50	80	79	L	
Araucaria columnaris	Cook Pine	Araucariaceae	L4	N	15-20	3-6	50	80	28	A	
Araucaria cunninghamii	Hoop Pine	Araucariaceae	L4	N	20+	8-10	50	80	79	A	
Argyrodendron actinophyllum	Black Booyong	Sterculiaceae	L4	N	15-20	12-15	50	80	177	A	
Carya illinoiensis	Pecan	Juglandaceae	L4	N	12-15	8-10	50	80	79	E	Not to be planted adjacent to footpaths due to seed drop.
Castanospermum australe	Blackbean	Fabaceae	L4	N	15-20	10-12	50	80	113	A	Not to be planted adjacent to footpaths due to seed drop.
Doryphora sassafras	Sassafras	Antherosperataceae	L4	N	15-20	6-8	50	80	50	L	
Elaeocarpus grandis	Blue Quandong	Eleocarpaceae	L4	N	15-20	6-8	50	80	50	A	
Eucalyptus capitellata	Brown Stringybark	Myrtaceae	L4	N	8-12	6-8	50	80	50	L	Not to be planted adjacent to footpaths due to seed drop.
Ficus macrophylla	Moreton Bay Fig	Moraceae	L4	N	20+	15-20	50	80	314	L	
Ficus microcarpa var. 'Hillii'	Hills Weeping Fig	Moraceae	L4	N	15-20	15-20	50	80	314	L	
Ficus rubiginosa	Port Jackson Fig	Moraceae	L4	N	12-15	10-12	50	80	113	L	
Ficus superba var Henneana	Deciduous Fig	Moraceae	L4	N	12-15	10-12	50	80	113	L	
Gmelina leichhardtii	White Beech	Verbenaceae	L4	N	8-12	6-8	50	80	50	L	
Grevillea robusta	Silky Oak	Proteaceae	L4	N	12-15	6-8	50	80	50	A	Should not be planted adjacent to natural areas due to potential to be invasive.
Jacaranda mimosifolia	Jacaranda	Mimosaceae	L4	N	8-12	6-8	50	80	50	E	May replace existing Jacaranda street tree, otherwise only for parks/open spaces. Not adjacent to footpaths due to slippery flowers.
Liquidambar formosana	Formosan Sweetgum	Altingiaceae	L4	N	12-15	6-8	50	80	50	E	
Melaleuca quinquenervia	Swamp Paperbark	Myrtaceae	L4	N	12-15	6-8	50	80	50	L	
Melaleuca styphelioidies	Prickly Paperbark	Myrtaceae	L4	N	3-6	3-6	50	80	28	L	
Nyssa sylvatica	Blackgum	Cornaceae	L4	N	8-12	3-6	50	80	28	E	
Podocarpus elatus	Plum Pine	Podocarpaceae	L4	N	8-12	6-8	50	80	50	L	
Quercus ilex	Holm Oak	Fagaceae	L4	N	15-20	10-12	50	80	113	E	
Syncarpia glomulifera	Turpentine	Myrtaceae	L4	N	12-15	6-8	50	80	50	L	
Synoum glandulosum	Scentless Rosewood	Meliaceae	L4	N	8-12	3-6	20	40	28	L	
Taxodium distichum	Swamp Cyprus	Cupressaceae	L4	N	15-20	6-8	50	80	50	E	
Toona ciliata	Red Cedar	Meliaceae	L4	N	8-12	6-8	20	40	50	L	
Pararchidendron pruinosum	Snowwood	Fabaceae	L4	Y	< 8	3-6	50	80	28	L	
Rapanea variabilis	Muttonwood	Myrsinaceae	L4	Y	8-12	3-6	50	80	28	L	