

Appendix B. Tree Selection Criteria Rating

Explanation for Selection Criteria Ratings

Selection Criteria			Rating			
			High	Medium	Low	Unknown
Essential Attributes	Climate Resilience	Heat Tolerance	1. Ability to withstand transitory or constantly high temperature in summer at $\geq 35^{\circ}\text{C}$ for 2 weeks time without leaf or bark burn; abnormal health stresses	1. Ability to withstand summer mean temperature (29°C) for more than 2 weeks without leaf or bark burn; abnormal health stresses	1. Ability to withstand summer mean temperature (29°C) with sign of leaf or bark burn; abnormal health stresses	1. Species not known to have adapted to climatic conditions
		Drought Tolerance	1. Can tolerate dry spell ≥ 2 months without supplementary irrigation, and 2. Can quickly recover from temporary wilting without any means of irrigation, and / or 3. Can thrive when consistently exposed to drought stress during growing season.	1. Can tolerate dry spell ≥ 1 month without supplementary irrigation	1. Can only tolerate dry spell <1 month without supplementary irrigation	1. Species not known to have adapted to dry conditions
		Waterlogging Tolerance	1. Adapted to waterlogged tree pit, and / or 2. Can recover within annual season after flooding	1. Can survive fortnightly Amber rainstorm or above signals and inundation events, and 2. Can recover within annual season after flooding.	1. Require well-drained tree pit.	1. Species not known to have adapted to waterlogging conditions
	Life-Cycle Planning	Urban Useful Life Expectancy	1. Projected at least 40 year growth before senescence in location	1. Projected 20-40 year growth before senescence in location	1. Projected <20 year growth before senescence in location	1. Unknown years of growth before over-maturity in location
		Wind Tolerance	1. Require supporting structure up to sapling stage, and / or 2. High mechanical stress tolerance - strong and stiff or strong and moderately stiff, and / or 3. High structural strength; low tree limb brittleness.	1. Require supporting structure up to semi-mature stage, and / or 2. Moderate mechanical stress tolerance - Moderately strong but not stiff or moderately strong and stiff, and / or 3. Moderate structural strength; moderate tree limb brittleness.	1. Require supporting structure from propagation to maturity stage, and / or 2. Low mechanical stress tolerance - Not strong but stiff or Not strong but moderately stiff, and / or 3. Low structural strength; high tree limb brittleness.	1. Not known whether supporting measures are necessary throughout species' life span, and / or 2. Species not known to have mechanical stress tolerance
		Manageability	1. Fruit or seed drops are non-staining, sticky, or not a safety hazard or no fruit or seed drops, and / or 2. Limited amounts of plant litter, and / or 3. Low maintenance frequency in order for tree to survive.	1. Fruit or seed drops are not a safety hazard, maybe staining or sticky, and / or 2. Moderate amounts of plant litter, and / or 3. Moderate maintenance frequency in order for tree to survive.	1. Fruit and seed drops are staining; sticky or safety hazard, and / or 2. Large amounts of plant litter, and / or 3. High maintenance frequency in order for tree to survive.	1. Species not known to have fruit or seed drops
		Crown Management	1. (Minimal) Minimal crown management is required within a year for traffic headroom	1. (Moderate) Annual management of crown for traffic headroom	1. (Frequent) Crown management is required half-yearly or less for traffic headroom	1. Not known whether crown management is necessary for traffic headroom
	Pest and Disease Resistance		1. Without known common pests and diseases in Hong Kong, and / or 2. Containment and management achievable through established treatment mechanisms	1. With infection/infestation record of common pests and diseases in Hong Kong, and 2. Containment and management achievable through established treatment mechanisms	1. With known pests and diseases outbreak in local history, and / or 2. Require aggressive treatment and management processes	1. Species with no pest outbreak record in local history, and / or 2. Unknown treatment and management for pest and disease
Roadside Pollution Tolerance ¹		1. High tolerance to pollution; does not wilt, die or deteriorate in health, and / or 2. Tolerates atmospheric pollution at high traffic areas or industrial areas	1. Moderate tolerance to pollution; does not wilt or die	1. Poor tolerance to pollution; high chance of mortality	1. Species not known to have atmospheric pollution tolerance	
Pruning Tolerance		1. Foliage can easily and rapidly recover from pruning within the same growing season, and / or 2. Can maintain fair tree form within the same growing season after pruning, and / or 3. Can recover from pruning cuts with sound wood within one growing season.	1. Foliage can easily and rapidly recover from pruning during the following growing season, and / or 2. Can maintain fair tree form during the following growing season after pruning, and / or 3. Can progressively recover from pruning cuts with sound wood growth during the following growing season.	1. Take more than 3 growing seasons to slowly recover its foliage growth and/or tree form after pruning, and / or 2. Slowly recovers from after-effect of crown pruning, and / or 3. Species suffer from poor health after pruning.	1. Unknown consequences to species after pruning	
Valued Attributes	Urban soil adaptability	Soil Compaction Tolerance	1. Survive in soil with bulk density ($x \geq 1.92 \text{ Mg/cubic meter}^2$); or 2. Can survive with restricted soil aeration	1. Survive in soil with bulk density ($1.42 \text{ Mg/cubic meter} < x \leq 1.92 \text{ Mg/cubic meter}^2$)	1. Survive in soil with bulk density ($x \leq 1.42 \text{ Mg/cubic meter}^2$)	1. Species not known to have soil compaction tolerance
		Root System (Manageability)	1. (Manageable) Root system seldom causes pavement upheaving or conflict with adjacent structures	1. (Moderate) Root system causes some degree of pavement upheaving	1. (Aggressive) Root system can easily to cause pavement upheaving and conflict with adjacent structures	1. Species with unknown root system
		Soil Volume Tolerance	1. (Small) Species can maintain fair tree health, condition and form in small planting sites (average soil surface area for each tree: 1.2m to 1.5m dia. X 1.2m depth)	1. (Medium) Species can maintain fair tree health, condition and form in medium-sized planting sites (average soil surface area for each tree: 1.5m to 2m dia. X 1.2m depth), and 2. Species may be unable to maintain fair tree health, condition and form in small planting sites (average soil surface area for each tree: 1.2m to 1.5m dia. X 1.2m depth)	1. (Large) Species can maintain fair tree health, condition and form in large-sized planting sites only (average soil surface area for each tree $> 4\text{m}$ dia. X 1.2m depth)	1. Unknown performance in different size of planting sites
		pH of Soil (Range)	1. Species that is most favourable to grow / perform well in the general topsoil pH requirement range (pH 5.5 – 7.0) ³ and can also perform well in moderate acidic and slightly alkaline topsoil pH	1. Species that can grow properly / well perform only in either medium to slightly acidic (pH 5.5 - 6.5) ⁴ or slightly to moderate alkaline (pH 7.5 - 8.5) ⁴ topsoil	1. Species that can grow properly / well perform only in either strongly acidic (pH 4.0 - 5.5) ⁴ or strongly alkaline (pH 8.5 - 10.0) ⁴ topsoil	1. Species not known to have adapted to various pH conditions
	Tree Size Dimension (for urban environment)		1. (Large) Species with large mature size: diameter of crown greater than 10m or height over 15m	1. (Medium) Species with medium mature size: diameter of crown 5-10m or height between 8-15m	1. (Small) Species with small mature size: diameter of crown less than 5m and height less than 8m	N/A
	Ecological Value		1. Native species that provide a variety of habitat values, or 2. Species of scientific value to the location	1. Naturalised or Exotic species that provide a variety of habitat values, or 2. Natives species that provide less variety of habitat values	1. Exotic species that provide less variety of habitat values	1. Species not known to have habitat values
	Ornamental Value (seasonal interest, colour, tree form, cultural, historical context and function)		1. Can relate to Hong Kong's cultural or historical context, or 2. Unique tree form, leaves, flowers or fruit, seasonal foliage, seeds, or 3. Has high ornamental value for a prolonged period of time (more than 3 months), or 4. Species with botanical interest, or 5. Has functional values such as visual screening, noise absorption, barrier and exhaust outlet buffering), or 6. Appeals to more than one of the five sensory senses	1. Has moderate feature value for a short period of time (less than 3 months), or 2. Appeals to one of the five sensory senses	1. Has little or no feature value, or 2. Cannot be distinguished amongst surrounding vegetation as a feature.	N/A
	Shade Cast		1. Species with heavy shade cast by large and spreading crown (diameter of crown greater than 10m) and dense foliage at mature stage in summertime	1. Species with moderate shade cast by medium-sized spreading crown (diameter of crown 5-10m) or moderate foliage density at mature stage in summertime	1. Species with low shade cast by small tree spreading crown (diameter of crown less than 5m) or low foliage density at mature stage throughout year	N/A

Note: Tree species which do not fulfil minimum acceptance level are excluded from this rating process and are not considered. This includes species being inadaptable to Hong Kong climate, invasive to local ecosystem or with brittle limbs or branches

¹ Pollution ratings of species are primarily based on literature reference and biological/horticultural experience

² Bulk density (x) is an indicator for soil compaction from Jim, C.Y. (1998). Soil compaction at tree-planting sites in urban Hong Kong. In: D. Neely and G.W. Watson (eds.) The Landscape Below Ground II. International Society of Arboriculture, Champaign, Illinois, pp. 166-178.

³ ArchSD GS 25.02 (a)(iii), the general topsoil pH should have a pH value between 5.5 – 7.0.

⁴ General Soil pH categories

Appendix B - Tree Selection Criteria Rating

Tree Information and Characteristics

No.	Botanical name	Chinese description	Family name	Provenance	Deciduous/ Evergreen	Flowering period	Fruiting period	Height	Canopy Spread	Sunlight preference	Tree contains poisonous parts
1	<i>Adenanthera microsperma</i>	海紅豆, 孔雀豆	MIMOSACEAE	Native	Deciduous	Apr-Jul	Jul-Oct	15-20m	12-15m	full sun to partial shade	✓
2	<i>Arenga pinnata</i>	砂糖椰子, 桃榔	ARECACEAE	Exotic	Evergreen	Jun	Sept-Oct	15-20m	3-5m	full sun to partial shade	-
3	<i>Albizia julibrissin</i>	合歡	MIMOSACEAE	Exotic	Deciduous	May-Jul	Aug-Oct	8-12m	8-15m	full sun	-
4	<i>Aporosa dioica</i>	銀柴, 大沙葉	EUPHORBIACEAE	Native	Evergreen	Jan-Dec	Jan-Dec	7-10m	4-6m	full sun to partial shade	-
5	<i>Bixa orellana</i>	紅木	BIXACEAE	Exotic	Evergreen	May-Aug	Sep-Feb	5-8m	4-8m	full sun	-
6	<i>Brachychiton acerifolius</i>	槭葉蘋婆	STERCULIACEAE	Exotic	Deciduous	April	April-May	10-15m	6-8m	full sun	-
7	<i>Bridelia tomentosa</i>	土蜜樹, 逼迫仔	EUPHORBIACEAE	Native	Evergreen	Jan-Dec	Jan-Dec	5-12m	2-7m	full sun to partial shade	-
8	<i>Caesalpinia ferrea</i>	巴西鐵木	CAESALPINIACEAE	Exotic	Evergreen	Jun-Aug	Jun-Aug	6-12m	4-10m	full sun	-
9	<i>Carallia brachiata</i>	竹節樹	RHIZOPHORACEAE	Native	Evergreen	Nov-Apr	Feb-Jul	7-10m	6-8m	full sun	-
10	<i>Cassia x nealiae</i>	彩虹雨樹	CAESALPINIACEAE	Exotic	Deciduous	May	no fruit	10-15m	12-17m	full sun	-
11	<i>Cassia javanica var. indochinensis</i>	節果決明	CAESALPINIACEAE	Exotic	Deciduous	May-Jun	July-Aug	10-15m	12-18m	full sun	-
12	<i>Celtis timorensis</i>	假玉桂, 樟葉朴	ULMACEAE	Native	Evergreen	March-May	July-Nov	5-8m	4-6m	full sun to partial shade	-
13	<i>Choerospondias axillaris</i>	南酸棗, 酸棗	ANACARDIACEAE	Native	Deciduous	Jun	Sep-Nov	8-20m	10-15m	full sun	-
14	<i>Chukrasia tabularis</i>	麻棟	MELIACEAE	Exotic	Semi-Deciduous	Apr-May	Jul-Jan	15-25m	12-18m	full sun to partial shade	-
15	<i>Cinnamomum parthenoxylon</i>	黃樟	LAURACEAE	Native	Evergreen	Mar-May	Apr-Oct	10-20m	8-12m	full sun to partial shade	-
16	<i>Cleistocalyx nervosum</i>	水翁	MYRTACEAE	Native	Evergreen	May-June	Aug-Sept	10-15m	12-17m	full sun to partial shade	-
17	<i>Cordia dichotoma</i>	破布木	BORAGINACEAE	Native	Deciduous	April-Jun	Jun-Sept	5-8m	3-5m	full sun to partial shade	-
18	<i>Crateva trifoliata</i>	鈍葉魚木	CAPPARACEAE	Exotic	Deciduous	Mar-May	Aug-Nov	5-8m	5-10m	full sun	-
19	<i>Crateva unilocularis</i>	樹頭菜	CAPPARACEAE	Exotic	Deciduous	Feb-Apr	Jun-Nov	10-15m	8-12m	full sun	-
20	<i>Cratoxylum cochinchinense</i>	黃牛木	CLUSIACEAE	Native	Deciduous	Apr-May	June	8-10m	10-12m	full sun to partial shade	-
21	<i>Dalbergia assamica</i>	南嶺黃檀	FABACEAE	Native	Deciduous	May-Oct	Sept-Dec	10-15m	8-12m	full sun to partial shade	-
22	<i>Diospyros morrisiana</i>	羅浮柿	EBENACEAE	Native	Deciduous	May-Jun	Nov	10-20m	7-12m	full sun to partial shade	-

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No.	Botanical name	Chinese description	Family name	Provenance	Deciduous/ Evergreen	Flowering period	Fruiting period	Height	Canopy Spread	Sunlight preference	Tree contains poisonous parts
23	<i>Dracontomelon duperreanum</i>	人面子	ANACARDIACEAE	Exotic	Evergreen	Apr-May	Jun-Nov	20-25m	10-15m	full sun	-
24	<i>Ehretia longiflora</i>	長花厚殼樹	BORAGINACEAE	Native	Deciduous	Jan-Sep	Jan-Sep	10-15m	5-8m	full sun to partial shade	-
25	<i>Elaeocarpus apiculatus</i>	長芒杜英, 尖葉杜英	ELAEOCARPACEAE	Exotic	Evergreen	Aug-Sept	Oct-Jan	20-30m	12-15m	full sun to partial shade	-
26	<i>Elaeocarpus chinensis</i>	中華杜英	ELAEOCARPACEAE	Native	Evergreen	May-Jun	Oct-Nov	5-8m	3-5m	full sun	-
27	<i>Elaeocarpus hainanensis</i>	水石榕	ELAEOCARPACEAE	Exotic	Evergreen	Jun-Jul	Jul-Sept	3-5m	3-6m	full sun	-
28	<i>Elaeocarpus japonicus</i>	日本杜英	ELAEOCARPACEAE	Native	Evergreen	Apr-May	May-Jul	15-25m	10-15m	full sun	-
29	<i>Ficus altissima</i>	高山榕, 雞榕	MORACEAE	Exotic	Evergreen	Mar-Oct	Mar-Oct	25-30m	15-25m	full sun	-
30	<i>Ficus binnendijkii</i>	阿里垂榕	MORACEAE	Exotic	Evergreen	Mar-Jul	Aug-Oct	4-8m	2.5-4m	full sun	-
31	<i>Ficus fistulosa</i>	水同木	MORACEAE	Native	Evergreen	Mar-Dec	Mar-Dec	4-8m	3-6m	full sun	-
32	<i>Ficus lyrata</i>	大琴葉榕	MORACEAE	Exotic	Evergreen	Mar-Nov	Mar-Nov	7-12m	7-10m	full sun to partial shade	-
33	<i>Ficus religiosa</i>	菩提樹	MORACEAE	Exotic	Evergreen	Sept-Nov	Sept-Nov	20-25m	25-30m	full sun to partial shade	-
34	<i>Ficus subpisocarpa</i>	筆管榕	MORACEAE	Native	Deciduous	Feb-Sept	Feb-Sept	5-10m	5-12m	full sun to partial shade	-
35	<i>Ficus variegata</i>	青果榕	MORACEAE	Native	Deciduous	Mar-Dec	Mar-Dec	10-15m	8-12m	full sun to partial shade	-
36	<i>Ficus virens</i>	大葉榕, 黃葛樹	MORACEAE	Native	Deciduous	Apr-Oct	Apr-Oct	15-20m	17-22m	full sun	-
37	<i>Garcinia subelliptica</i>	菲島福木	CLUSIACEAE	Exotic	Evergreen	Mar-Aug	Sep-Dec	3-5m	2-4m	full sun to partial shade	-
38	<i>Hyophorbe lagenicaulis</i>	酒瓶椰子	ARECACEAE	Exotic	Evergreen	Mar-May	Jul-Feb	2-4m	1-2m	full sun to partial shade	-
39	<i>Ilex rotunda</i> var. <i>microcarpa</i>	小果鐵冬青	AQUIFOLIACEAE	Native	Evergreen	Mar-May	Dec-Feb	15-20m	15-20m	full sun to partial shade	-
40	<i>Juniperus chinensis</i> 'Kaizuka'	龍柏	CUPRESSACEAE	Exotic	Evergreen	Mar-Apr	Oct-Jan	5-7m	1-2m	full sun to partial shade	-
41	<i>Khaya senegalensis</i>	非洲棟	MELIACEAE	Exotic	Evergreen	Apr-Jun	Apr-Jun	20-25m	15-20m	full sun to partial shade	-
42	<i>Koelreuteria elegans</i> subsp. <i>formosana</i>	台灣欒樹	SAPINDACEAE	Exotic	Deciduous	Jun-Jul	Sept-Oct	15-20m	15-20m	full sun to partial shade	-
43	<i>Liquidambar formosana</i>	楓香	HAMAMELIDACEAE	Native	Deciduous	Mar-Jun	Jul-Sept	20-30m	15-20m	full sun to partial shade	-
44	<i>Litsea glutinosa</i>	潺槁樹	LAURACEAE	Native	Evergreen	May-Jun	Sept-Oct	10-15m	8-12m	full sun to partial shade	-
45	<i>Litsea monopetala</i>	假柿木薑子, 假柿樹	LAURACEAE	Native	Evergreen	Nov-Jun	Jun-Jul	12-18m	5-10m	full sun to partial shade	-

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46	<i>Machilus breviflora</i>	短序潤楠, 短花楠	LAURACEAE	Native	Evergreen	Jul-Aug	Oct-Dec	8-12m	6-8m	full sun to partial shade	-
47	<i>Machilus chekiangensis</i>	浙江潤楠	LAURACEAE	Native	Evergreen	Feb	Apr-May	7-15m	8-12m	full sun to partial shade	-
48	<i>Machilus chinensis</i>	華潤楠, 香港楠	LAURACEAE	Native	Evergreen	Sept	Feb	8-10m	5-7m	full sun to partial shade	-
49	<i>Machilus velutina</i>	絨毛潤楠	LAURACEAE	Native	Evergreen	Oct-Dec	Feb-Mar	15-18m	7-12m	full sun	-
50	<i>Melia azedarach</i>	楝, 苦楝	MELIACEAE	Exotic	Deciduous	Apr-May	Oct-Dec	15-20m	15-20m	full sun to partial shade	✓
51	<i>Michelia champaca</i>	黃蘭	MAGNOLIACEAE	Exotic	Evergreen	Jun-Jul	Sept-Oct	10-12m	5-8m	full sun to partial shade	-
52	<i>Microcos nervosa</i>	布渣葉	TILIACEAE	Native	Evergreen	Jun-Jul	Aug-Oct	8-12m	5-10m	full sun to partial shade	-
53	<i>Nageia nagi</i>	竹柏	PODOCARPACEAE	Exotic	Evergreen	Mar-May	Aug-Nov	10-12m	6-8m	partial shade	-
54	<i>Palaquium formosanum</i>	台灣膠木	SAPOTACEAE	Exotic	Evergreen	Sept-May	Jun-Oct	12-20m	10-15m	full sun	-
55	<i>Peltophorum tonkinense</i>	銀珠	CAESALPINIACEAE	Exotic	Deciduous	Mar-Jun	Jul-Oct	15-20m	6-8m	full sun to partial shade	-
56	<i>Phoenix dactylifera</i>	海棗, 棗椰樹	ARECACEAE	Exotic	Evergreen	Mar-Apr	Sep-Oct	10-30m	3-12m	full sun	-
57	<i>Plumeria rubra</i>	雞蛋花, 紅雞蛋花	APOCYNACEAE	Exotic	Deciduous	Mar-Sept	May-Dec	5-8m	6-10m	full sun to partial shade	-
58	<i>Podocarpus macrophyllus</i>	羅漢松	PODOCARPACEAE	Native	Evergreen	Apr-May	Aug-Sept	10-15m	3-6m	full sun to full shade	-
59	<i>Polyalthia longifolia</i>	長葉暗羅	ANNONACEAE	Exotic	Evergreen	Mar-May	Jun-Sep	10-15m	2-3m	full sun to partial shade	-
60	<i>Polyspora axillaris</i>	大頭茶	THEACEAE	Native	Evergreen	Sept-Oct	Nov-Dec	5-8m	3-5m	full sun to partial shade	-
61	<i>Pongamia pinnata</i>	水黃皮	FABACEAE	Native	Evergreen	May-Jun	Aug-Oct	10-15m	10-15m	full sun	-
62	<i>Pterocarpus indicus</i>	紫檀	FABACEAE	Exotic	Semi-Deciduous	Feb-Aug	Nov	15-20m	15-20m	full sun to partial shade	-
63	<i>Pterospermum heterophyllum</i>	翻白葉樹	STERCULIACEAE	Native	Evergreen	Sep-Nov	Oct-Nov	15-18m	8-10m	full sun to partial shade	-
64	<i>Radermachera hainanensis</i>	海南菜豆樹	BIGNONIACEAE	Exotic	Evergreen	Mar-Apr	May-Jun	13-20m	5-10m	full sun to partial shade	-
65	<i>Rhus hypoleuca</i>	白背鹽膚木	ANACARDIACEAE	Native	Deciduous	Jun-Aug	Sept-Nov	2-5m	2-3m	full sun	-
66	<i>Sapindus saponaria</i>	無患子, 木患子	SAPINDACEAE	Native	Deciduous	Mar-May	Jun-Nov	10-20m	12-16m	full sun	✓
67	<i>Sapium discolor</i>	山烏柏	EUPHORBIACEAE	Native	Deciduous	Apr-Jun	July-Oct	5-12m	6-8m	full sun to partial shade	-
68	<i>Sapium sebiferum</i>	烏柏	EUPHORBIACEAE	Native	Deciduous	Apr-Aug	Aug-Nov	12-17m	8-10m	full sun to partial shade	✓

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69	<i>Schima superba</i>	木荷, 荷樹	THEACEAE	Native	Evergreen	Jun-Aug	Oct-Dec	10-20m	8-10m	full sun to partial shade	-
70	<i>Senna spectabilis</i>	美麗決明, 美洲槐	CAESALPINIACEAE	Exotic	Evergreen	Mar-Apr	Jul-Sept	8-10m	8-12m	full sun to partial shade	-
71	<i>Swietenia mahagoni</i>	桃花心木	MELIACEAE	Exotic	Evergreen	May-Jun	Oct-Nov	20-25m	18-22m	full sun to partial shade	-
72	<i>Syzygium cumini</i>	烏墨, 海南蒲桃	MYRTACEAE	Exotic	Evergreen	Feb-May	Jun-Sept	12-15m	8-10m	full sun	-
73	<i>Syzygium hancei</i>	韓氏蒲桃, 紅鱗蒲桃	MYRTACEAE	Native	Evergreen	Jul-Sept	Nov-Jan	8-10m	5-8m	full sun to partial shade	-
74	<i>Syzygium jambos</i>	蒲桃	MYRTACEAE	Exotic	Evergreen	Mar-Apr	May-Jun	7-12m	5-8m	full sun to partial shade	-
75	<i>Syzygium levinei</i>	山蒲桃	MYRTACEAE	Native	Evergreen	Jul-Sept	Feb-May	10-15m	8-12m	full sun to partial shade	-
76	<i>Thespesia populnea</i>	恒春黃槿, 緞楊	MALVACEAE	Native	Evergreen	Jan-Dec	Jan-Dec	6-8m	5-10m	full sun	-
77	<i>Ulmus parvifolia</i>	榔榆	ULMACEAE	Exotic	Deciduous	Aug-Oct	Aug-Oct	12-25m	18-22m	full sun to partial shade	-
78	<i>Wodyetia bifurcata</i>	狐尾椰子	ARECACEAE	Exotic	Evergreen	May-Jul	Aug-Sept	10-20m	4-6m	full sun	-
79	<i>Xanthostemon chrysanthus</i>	金蒲桃	MYRTACEAE	Exotic	Evergreen	Nov-Feb	Mar-May	10-20m	4-8m	full sun	-
80	<i>Zanthoxylum avicennae</i>	筍欖花椒, 筍欖	RUTACEAE	Native	Deciduous	Jun-Aug	Oct-Dec	8-15m	5-8m	full sun	✓

Appendix B - Tree Selection Criteria Rating

Rating of Selection Criteria for Tree Species

No.	Botanical name	Chinese description	Selection Criteria*	Essential Attributes							Valued Attributes										
				Climate Resilience			Life-Cycle Planning				Pest & Disease Resistance	Roadside Pollution tolerance	Pruning tolerance	Urban soil adaptability				Tree size dimension (for urban environment)	Ecological Value	Ornamental Value	Shade cast
				Heat Tolerance	Drought Tolerance	Waterlogging Tolerance	Urban Useful Life Expectancy	Wind Tolerance	Manageability	Crown management				Soil compaction tolerance	Root system (manageability)	Soil volume tolerance	pH of Soil (Range)				
1	<i>Adenanthera microsperma</i>	海紅豆, 孔雀豆		M	H	M	H	H	H	H	M	M	H	H	M	H	H	M	M	H	
2	<i>Arenga pinnata</i>	砂糖椰子, 桃榔		M	M	M	M	H	H	H	M	M	-	H	H	M	H	M	M	M	L
3	<i>Albizia julibrissin</i>	合歡		M	M	M	M	M	H	H	H	M	H	M	L	L	H	H	M	M	H
4	<i>Aporosa dioica</i>	銀柴, 大沙葉		M	H	M	H	M	M	H	H	M	M	M	H	M	H	M	M	L	M
5	<i>Bixa orellana</i>	紅木		H	M	M	M	M	M	H	H	H	H	H	H	M	H	M	M	H	M
6	<i>Brachychiton acerifolius</i>	槭葉蘋婆		M	H	M	H	H	M	M	H	H	H	M	L	M	H	M	M	H	M
7	<i>Bridelia tomentosa</i>	土蜜樹, 逼迫仔		M	M	M	M	H	M	H	H	H	M	M	H	M	M	M	H	L	L
8	<i>Caesalpinia ferrea</i>	巴西鐵木		M	M	M	H	M	H	M	H	H	M	M	L	L	H	M	M	H	M
9	<i>Carallia brachiata</i>	竹節樹		M	M	H	H	H	H	H	M	M	M	M	L	M	M	H	L	M	
10	<i>Cassia x nealae</i>	彩虹雨樹		M	M	M	H	M	H	M	H	M	H	M	L	L	H	M	M	H	H
11	<i>Cassia javanica</i> var. <i>indochinensis</i>	節果決明		M	M	M	H	M	H	M	H	H	M	M	L	L	H	M	M	H	H
12	<i>Celtis timorensis</i>	假玉桂, 樟葉朴		H	H	M	H	M	H	H	M	M	H	M	M	M	M	L	M	M	M
13	<i>Choerospondias axillaris</i>	南酸棗, 酸棗		M	M	H	H	M	M	M	H	H	H	H	H	L	H	H	M	H	H
14	<i>Chukrasia tabularis</i>	麻棟		M	M	M	H	H	M	H	H	H	M	M	L	L	H	H	M	M	H
15	<i>Cinnamomum parthenoxylon</i>	黃樟		M	M	M	H	H	H	H	H	H	H	M	M	M	H	H	M	M	H
16	<i>Cleistocalyx nervosum</i>	水翁		M	M	H	H	H	M	H	H	M	H	M	M	L	M	M	H	M	H
17	<i>Cordia dichotoma</i>	破布木		M	M	M	M	M	M	M	M	M	M	M	M	H	M	L	H	M	L
18	<i>Crateva trifoliata</i>	鈍葉魚木		M	M	M	H	H	H	H	M	H	M	M	M	M	H	M	M	H	M
19	<i>Crateva unilocularis</i>	樹頭菜		M	H	M	H	H	H	H	M	M	H	M	H	L	H	M	M	H	M
20	<i>Cratogeomys cochinchinense</i>	黃牛木		M	M	M	H	H	M	H	H	H	H	H	H	M	M	M	H	H	M
21	<i>Dalbergia assamica</i>	南嶺黃檀		M	M	M	H	H	H	H	M	H	H	M	H	L	H	M	H	H	M
22	<i>Diospyros morrisiana</i>	羅浮柿		M	M	M	M	M	M	M	M	M	M	M	M	M	M	H	H	M	H
23	<i>Dracontomelon duperreanum</i>	人面子		M	M	M	H	H	M	H	H	H	H	M	L	L	H	H	M	M	H

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No.	Botanical name	Chinese description	Selection Criteria*	Essential Attributes							Valued Attributes											
				Climate Resilience			Life-Cycle Planning				Pest & Disease Resistance	Roadside Pollution tolerance	Pruning tolerance	Urban soil adaptability				Tree size dimension (for urban environment)	Ecological Value	Ornamental Value	Shade cast	
				Heat Tolerance	Drought Tolerance	Waterlogging Tolerance	Urban Useful Life Expectancy	Wind Tolerance	Manageability	Crown management				Soil compaction tolerance	Root system (manageability)	Soil volume tolerance	pH of Soil (Range)					
24	<i>Ehretia longiflora</i>	長花厚殼樹		M	M	M	H	M	H	H	M	H	M	M	M	M	M	M	M	M		
25	<i>Elaeocarpus apiculatus</i>	長芒杜英, 尖葉杜英		M	H	H	H	M	H	H	M	H	H	H	H	M	H	H	M	H	M	
26	<i>Elaeocarpus chinensis</i>	中華杜英		M	H	H	H	M	H	H	M	H	H	H	H	H	L	M	H	L		
27	<i>Elaeocarpus hainanensis</i>	水石榕		M	H	M	H	H	H	M	H	H	H	M	H	L	H	L	M	H	L	
28	<i>Elaeocarpus japonicus</i>	日本杜英		M	M	M	H	H	H	H	M	H	H	M	H	M	H	H	H	H	M	
29	<i>Ficus altissima</i>	高山榕, 雞榕		M	M	M	H	M	M	H	H	H	H	M	L	L	M	H	M	M	H	
30	<i>Ficus binnendijkii</i>	阿里垂榕		M	M	M	H	M	H	H	H	H	H	M	M	M	H	M	L	M	H	L
31	<i>Ficus fistulosa</i>	水同木		M	M	M	H	M	H	H	H	H	H	M	M	H	M	M	L	H	L	L
32	<i>Ficus lyrata</i>	大琴葉榕		M	H	M	H	M	H	H	H	H	H	M	H	M	L	H	M	M	H	M
33	<i>Ficus religiosa</i>	菩提樹		M	H	M	H	M	H	M	H	H	H	L	L	L	H	H	M	H	H	
34	<i>Ficus subpisocarpa</i>	筆管榕		M	H	M	H	M	H	H	H	H	H	M	M	L	L	H	M	M	L	M
35	<i>Ficus variegata</i>	青果榕		M	H	M	H	M	H	H	H	H	H	M	M	L	L	H	M	H	M	M
36	<i>Ficus virens</i>	大葉榕, 黃葛樹		M	H	M	H	M	M	M	M	H	M	L	L	L	H	H	H	M	H	
37	<i>Garcinia subelliptica</i>	菲島福木		M	M	M	H	H	H	H	H	H	H	M	M	H	M	H	M	M	H	L
38	<i>Hyophorbe lagenicaulis</i>	酒瓶椰子		M	M	M	H	H	H	H	M	M	-	M	H	H	H	L	L	H	L	
39	<i>Ilex rotunda</i> var. <i>microcarpa</i>	小果鐵冬青		M	H	M	H	H	H	H	M	H	M	H	M	H	H	H	M	H	H	
40	<i>Juniperus chinensis</i> 'Kaizuka'	龍柏		M	H	M	M	H	H	H	M	H	H	H	H	H	H	L	M	H	L	
41	<i>Khaya senegalensis</i>	非洲楝		M	H	H	H	H	H	H	M	H	M	H	H	L	M	H	L	M	H	
42	<i>Koelreuteria elegans</i> subsp. <i>formosana</i>	台灣欒樹		M	H	M	H	M	H	H	M	H	M	M	H	L	H	H	M	H	H	
43	<i>Liquidambar formosana</i>	楓香		M	M	M	H	H	M	H	H	H	M	H	L	L	H	H	H	H	M	
44	<i>Litsea glutinosa</i>	潺槁樹		M	H	M	H	M	H	H	H	H	M	H	M	M	H	M	M	M	H	
45	<i>Litsea monopetala</i>	假柿木薑子, 假柿樹		M	M	M	H	M	H	H	H	H	M	H	M	M	H	M	H	M	M	
46	<i>Machilus breviflora</i>	短序潤楠, 短花楠		H	H	M	H	H	H	H	H	H	H	M	M	M	H	M	M	H	M	

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No.	Botanical name	Chinese description	Selection Criteria*	Essential Attributes							Valued Attributes										
				Climate Resilience			Life-Cycle Planning				Pest & Disease Resistance	Roadside Pollution tolerance	Pruning tolerance	Urban soil adaptability				Tree size dimension (for urban environment)	Ecological Value	Ornamental Value	Shade cast
				Heat Tolerance	Drought Tolerance	Waterlogging Tolerance	Urban Useful Life Expectancy	Wind Tolerance	Manageability	Crown management				Soil compaction tolerance	Root system (manageability)	Soil volume tolerance	pH of Soil (Range)				
47	<i>Machilus chekiangensis</i>	浙江潤楠		H	H	H	H	H	H	H	H	M	M	M	L	M	M	H	H	H	
48	<i>Machilus chinensis</i>	華潤楠, 香港楠		M	H	M	H	H	H	H	H	M	H	M	M	H	M	M	H	M	
49	<i>Machilus velutina</i>	絨毛潤楠		M	H	H	H	H	H	H	H	M	M	M	L	H	H	H	M		
50	<i>Melia azedarach</i>	楝, 苦楝		H	H	M	M	M	M	H	H	M	H	H	L	H	H	M	H	H	
51	<i>Michelia champaca</i>	黃蘭		M	M	H	H	H	H	M	H	M	M	H	M	H	M	M	H	M	
52	<i>Microcos nervosa</i>	布渣菜		M	M	M	H	H	H	H	H	M	H	H	H	H	M	H	M	M	
53	<i>Nageia nagi</i>	竹柏		H	M	M	H	H	H	H	H	M	H	M	M	L	H	M	M	M	
54	<i>Palaquium formosanum</i>	台灣膠木		M	M	M	M	H	M	H	H	M	M	L	L	H	H	M	M	H	
55	<i>Peltophorum tonkinense</i>	銀珠		M	M	M	H	H	M	H	H	L	M	M	H	L	H	H	M	M	
56	<i>Phoenix dactylifera</i>	海棗, 棗椰樹		H	H	M	H	H	H	H	H	M	-	M	H	L	H	M	H	M	L
57	<i>Plumeria rubra</i>	雞蛋花, 紅雞蛋花		H	M	M	H	M	M	H	H	H	H	M	H	H	M	M	M	H	M
58	<i>Podocarpus macrophyllus</i>	羅漢松		H	H	M	H	M	H	H	H	H	M	M	M	H	H	M	H	H	L
59	<i>Polyalthia longifolia</i>	長葉暗羅		H	M	M	H	M	H	H	H	H	M	M	M	H	M	M	M	H	L
60	<i>Polyspora axillaris</i>	大頭茶		M	M	M	M	H	H	H	H	H	M	M	M	H	M	L	H	H	L
61	<i>Pongamia pinnata</i>	水黃皮		M	M	H	M	M	M	M	H	M	H	L	L	L	H	M	H	H	H
62	<i>Pterocarpus indicus</i>	紫檀		M	M	M	H	M	M	H	H	L	M	M	L	L	M	H	M	M	H
63	<i>Pterospermum heterophyllum</i>	翻白葉樹		M	H	M	H	H	M	H	H	L	M	L	H	M	M	H	M	M	M
64	<i>Radermachera hainanensis</i>	海南菜豆樹		H	H	M	H	H	H	H	H	L	M	M	H	M	M	M	M	H	M
65	<i>Rhus hypoleuca</i>	白背鹽膚木		M	H	M	H	H	H	H	H	M	M	M	H	H	M	L	M	L	L
66	<i>Sapindus saponaria</i>	無患子, 木患子		H	H	M	H	M	M	M	M	H	H	H	L	L	H	H	M	H	H
67	<i>Sapium discolor</i>	山烏柏		M	M	M	M	M	H	H	H	L	M	M	H	M	M	M	H	H	M
68	<i>Sapium sebiferum</i>	烏柏		M	M	H	M	M	H	M	H	L	M	M	L	M	M	M	H	M	M
69	<i>Schima superba</i>	木荷, 荷樹		M	H	H	H	H	H	H	H	M	M	H	M	L	M	M	H	H	M

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				Heat Tolerance	Drought Tolerance	Waterlogging Tolerance	Urban Useful Life Expectancy	Wind Tolerance	Manageability	Crown management				Soil compaction tolerance	Root system (manageability)	Soil volume tolerance	pH of Soil (Range)				
70	<i>Senna spectabilis</i>	美麗決明, 美洲槐		M	M	M	H	M	H	M	H	M	M	M	M	M	M	M	M	M	
71	<i>Swietenia mahagoni</i>	桃花心木		M	M	M	H	H	H	H	H	L	M	H	M	L	M	H	L	M	H
72	<i>Syzygium cumini</i>	烏墨, 海南蒲桃		M	H	M	H	H	M	M	H	L	M	H	M	M	M	M	H	H	M
73	<i>Syzygium hancei</i>	韓氏蒲桃, 紅鱗蒲桃		M	H	M	H	H	M	H	H	L	M	M	M	M	M	M	H	M	M
74	<i>Syzygium jambos</i>	蒲桃		M	M	H	H	H	M	M	H	H	M	H	M	M	M	M	M	M	M
75	<i>Syzygium levinei</i>	山蒲桃		M	H	M	H	H	M	H	M	H	M	M	M	H	M	M	M	M	H
76	<i>Thespesia populnea</i>	恒春黃槿, 緞楊		M	H	H	M	M	M	M	H	M	M	M	L	M	M	M	M	M	M
77	<i>Ulmus parvifolia</i>	榔榆		M	M	M	H	H	H	H	H	H	H	H	M	M	H	H	M	H	H
78	<i>Wodyetia bifurcata</i>	狐尾椰子		M	M	M	H	H	H	H	H	M	-	H	H	M	M	M	L	M	L
79	<i>Xanthostemon chrysanthus</i>	金蒲桃		M	M	M	M	M	H	H	H	H	M	M	M	M	M	M	M	H	L
80	<i>Zanthoxylum avicennae</i>	筋櫟花椒, 筋櫟		M	H	M	H	M	H	H	H	M	M	M	H	M	M	M	H	M	M

* Refer to Appendix B - Explanation for Selection Criteria Ratings