

Species, size, and location of “giant trees” in Tokyo’s urban area and western suburbs

PENG, Xu, TACHIKAWA, Kotaro, NAKAJIMA, Hiroaki, KANAZAWA, Yumiko, SUZUKI, Kojiro, HANDLEY, Christine and ROTHERHAM, Ian
<<http://orcid.org/0000-0003-2903-5760>>

Available from Sheffield Hallam University Research Archive (SHURA) at:

<https://shura.shu.ac.uk/23130/>

This document is the Accepted Version [AM]

Citation:

PENG, Xu, TACHIKAWA, Kotaro, NAKAJIMA, Hiroaki, KANAZAWA, Yumiko, SUZUKI, Kojiro, HANDLEY, Christine and ROTHERHAM, Ian (2018). Species, size, and location of “giant trees” in Tokyo’s urban area and western suburbs. *Arboricultural Journal*, 40 (4), 234-254. [Article]

Copyright and re-use policy

See <http://shura.shu.ac.uk/information.html>

Table 1

Family	Species	Exoitec plants or Hybrids*	iv. Park & Public garden		iii. Temple & Shirine		iii. Temple & Shirine		i. Forest and Agricultural land	iv. Park & Public garden		v. School site		vi. Residential land		vi. Residential land		ii. Graveyard		vi. Residential land		vii. Public road site		Unknown	Total	
			(1) Park Field study	(2) Shirine site Field study	(1) Temple site Field study	(2) Shirine site Field study	(1) Temple site Field study	(2) Shirine site Field study		b. Public garden Field study	School site Field study	(3) Imperial land Field study	(2) Private or Body corporate site Field study	Graveyard Field study	(1) Public facility site Field study	Public road site Field study										
G	GINKGOACEAE	<i>Ginkgo biloba</i>	86	19	100	10	100	4		26	24	12	0	3	0	6	2	8	7	7	0	2	1	1	351	
	PINACEAE	<i>Cedrus deodara</i>	E	37	0			2	2		6	6	1	0	2	0									48	
	TAXODIACEAE	<i>Cryptomeria japonica</i>				22	13	8	3							2	0	1							33	
	PINACEAE	<i>Abies firma</i>				4	2	1	1	1	1							1	1						7	
		<i>Pinus densiflora</i>		3	3						2	2													5	
		<i>Pinus thunbergii</i>		3	2	4	0	2	0					1	0	1	0								11	
	TAXODIACEAE	<i>Metasequoia glyptostroboides</i>	E	3	3									1	0										4	
		<i>Taxodium distichum</i>	E	9	0																				9	
	SCIADOPYACEAE	<i>Sciadopitys verticillata</i>						2	0																2	
	CUPRESSACEAE	<i>Chamaecyparis obtusa</i>				2	1																		2	
		<i>Biota orientalis</i> var. <i>flagelliformis</i>																						1	1	
	PODOCARPACEAE	<i>Podocarpus macrophyllus</i>												1	0										1	
	CEPHALOTAXACEAE	<i>Cephalotaxus harringtonia</i>								2	2														2	
	TAXACEAE	<i>Torreya nucifera</i>		1	0	7	3	18	6					1	0	1	0								28	
ADC	MYRICACEAE	<i>Morella rubra</i>		1	0																				1	
	JUGLANDACEAE	<i>Pterocarya fraxinifolia</i>	E	1	0																				1	
	SALICACEAE	<i>Populus</i>	E	1	0																				1	
	BETULACEAE	<i>Carpinus ischnoskii</i>		9	9	1	1	1	1	25	25	1	1												37	
		<i>Carpinus laxiflora</i>		2	2					2	2														4	
	FAGACEAE	<i>Fagus crenata</i> Blume				2	0																		2	
		<i>Quercus acutissima</i>		4	4	1	1			1	1														6	
		<i>Quercus variabilis</i>		1	0																				1	
		<i>Quercus serrata</i>		33	32	3	3	1	0	31	31				1	0									69	
		<i>Quercus acuta</i>		3	1	4	0	3	1			1	1	1	1	3	0								16	
		<i>Quercus sessilifolia</i>						2	0																2	
		<i>Quercus glauca</i>		1	1	2	2			1	1						1	1							5	
		<i>Quercus salicina</i>				3	2	1	0	1	1														5	
		<i>Quercus x takaoyamensis</i>				1	0					1	1							1	1				3	
		<i>Quercus myrsinaefolia</i>		7	6	11	5	4	2	20	20			2	0	2	2	2	2						48	
		<i>Castanopsis sieboldii</i>		42	14	46	32	18	11	4	4	22	22	8	2	3	0	3	2	12	10	1	0		159	
		<i>Lithocarpus edulis</i>				1	0																		1	
	ULMACEAE	<i>Aphananthe aspera</i>		12	2	7	2	3	1			14	14	1	0	6	0	1	1						46	
		<i>Celtis sinensis</i> var. <i>japonica</i>		19	14	3	2	2	1	2	2	7	7	1	1	2	0		2						39	
		<i>Zelkova serrata</i>		72	41	123	24	59	15	5	4	28	27	15	1	2	0	12	5	4	4	13	3	6	5	340
		<i>Ulmus davidiana</i> var. <i>japonica</i>		1	0																				1	
	MAGNOLIACEAE	<i>Magnolia obovata</i>		4	2			1	0	3	3														8	
		<i>Magnolia denudata</i>		1	1																				1	
		<i>Liriodendron tulipifera</i>	E	16	3							1	0	3	0	1	0								21	
	LAURACEAE	<i>Cinnamomum camphora</i>		59	39	19	2	18	4			34	34	12	4	2	0	6	0	4	3	1	0	3	158	
		<i>Machilus thunbergii</i>		2	2	6	0	6	0			8	8			3	0	2	0	1	1				29	
		<i>Neolitsea sericea</i>													1	0									1	
		<i>Litsea coreana</i>						2	1																2	
	CERCIDIPHYLLACEAE	<i>Cercidiphyllum japonicum</i>		2	0																				2	
	PLATANACEAE	<i>Platanus</i>	E	70	0			1	1				1	0											72	
	HAMAMELIDACEAE	<i>Distylium racemosum</i>													2	0									2	
		<i>Liquidambar formosana</i>													1	0									1	
	ROSACEAE	<i>Prunus mume</i>						1	0																1	
		<i>Prunus</i> spp.	H	7	0								2	0	2	0	1	0							12	
		<i>Prunus buergeriana</i>		6	6			4	4						1	0		1	1						12	
		<i>Prunus grayana</i>		3	2			8	8																11	
		<i>Prunus jamasakura</i>		150	150	21	21	15	11	158	158							1	1				2		347	
		<i>Prunus pendula</i> f. <i>pendula</i>		1	0			2	2																3	
		<i>Prunus x yedoensis</i>	H	41	21	1	0	6	6	1	1			2	0		4	2	2	2					57	
		<i>Prunus lannesiana</i>	H									1	0												1	
		<i>Prunus lannesiana</i> var. <i>speciosa</i>		11	11			1	1																12	
	LEGUMINOSAE	<i>Gleditsia japonica</i>		1	0									1	0										2	
		<i>Styphnolobium japonicum</i>		1	0																				1	
	RUTACEAE	<i>Phellodendron amurense</i>													1	0									1	
	ACERACEAE	<i>Acer pycnanthum</i>		1	0																				1	
		<i>Acer mono</i>		4	4			4	4						1	0									9	
		<i>Acer palmatum</i> subsp. <i>Matsumurae</i>						1	1														1		2	
		<i>Acer buergerianum</i>	E	3	1							7	7			1	0								11	
	SAPINDACEAE	<i>Koelreuteria bipinnata</i>	E	1	0																				1	
	HIPPOCASTANACEAE	<i>Aesculus turbinata</i>						2	0			1	1				1	0							4	
	AQUIFOLIACEAE	<i>Ilex rotunda</i>						1	0																1	
		<i>Ilex integra</i>													1	0									1	
	STERCULIACEAE	<i>Firmiana simplex</i>				1	0																		1	
	ELAEAGNACEAE	<i>Elaeagnus multiflora</i> f. <i>orbiculata</i>													1	0									1	
	LYTHRACEAE	<i>Lagerstroemia subcostata</i>		2	2																				2	
	CORNACEAE	<i>Swida macrophylla</i>		3	3			3	3																6	
		<i>Swida controversa</i>		2	2			1	1																3	
	ARALIACEAE	<i>Kalopanax septemlobus</i>						1	0	1																