

**URBAN FOREST**

011/314-1090


→ E-Evergreen, D-Deciduous, SD-Semi deciduous in warmer areas.


Distance of planting (See end of list) ←

January 2018

Prices are VAT inclusive

No	Botanical Name  <i>*(Large shrub or small tree)</i>	Flag	Mature height	Common Name	Hedging	Screening	Shade Tree	Ornamental	Fast Growing	Parking areas.	Small Gardens	Drought resist	Frost Tender	Aggressive Root	Max. Root Spread (±m)	Safest Allowable Proximity(±m)(Fp)	20ℓ		50ℓ		100ℓ		200ℓ	
																	In Stock	Height metres	In Stock	Height metres	In Stock	Height metres	In Stock	Height metres
1	Acer buergerianum		D	5-10			*	*	*		*				10	3	✓		✓	2,5	✓	2-2,5		
2	Aloe barberae	✓	E	15				*				*			5	2	✓	0,5			✓	1,5	✓	2,5
3	Bauhinia tomentosa	✓	D	4				*	*		*	*					✓	0,5-1						
4	Betula pendula		D	8-10				*			*				7	2	✓	1	✓	1,5-2				
5	Brachylaena discolor *	✓	E	4-10	*	*		*	*						12	3			✓	1,5	✓	1,5-2		
6	Buddleja saligna	✓	E	4-8	*	*		*	*			*			10	3	✓	1	✓	1,5				
7	Caesalpinia ferrea		D	20				*			*				10	4	✓	0,5	✓	1	✓	1-1,5		
8	Callistemon viminalis*		E	4-8		*					*				12	4			✓	1,5				
9	Catha edulis	✓	E	8-10				*											✓	1,5-2	✓	2-2,5		
10	Celtis africana	✓	D	15				*				*		*	20	6	✓	1,5	✓	1-1,5	✓	1,5-2	✓	2,5-3,5
11	Celtis sinensis		D	20				*	*	*		*		*	25	8	✓	1,5						
12	Ceratonia siliqua		E	10		*	*			*		*			20	5			✓	1,5-2	✓	1,5-2	✓	2,5-3
13	Combretum erythrophyllum	✓	D	10				*	*			*			15	4	✓	1	✓	2	✓	2,5-3	✓	3,5
14	Combretum krausii	✓	D	8				*	*			*			15	5	✓	1	✓	1,5	✓	1,5-2		
15	Cunonia capensis	✓	E	5				*			*	*			5	2			✓	0,5-1				
16	Cussonia spicata	✓	E	15				*	*		*	*			18	5	✓	0,5						
17	Dais cotinifolia	✓	SD	6-8							*				8	2			✓	1,5				
18	Diospyros whyteana *	✓	E	4-7		*		*			*						✓	0,5-1	✓	1				
19	Dodonaea angustifolia *	✓	E	5		*	*	*	*		*	*					✓	1	✓	1,5				
20	Dombeya rotundifolia	✓	D	8					*		*	*			8	3			✓	2	✓	2	✓	2,5-3
21	Dovyalis caffra	✓	E	4							*	*			6	2	✓	1-1,5	✓	1,5	✓	1,5-2		
22	Duranta 'Sapphire Showers'		E	5		*	*	*	*						8	3	✓	0,5	✓	1,5				
23	Ekebergia capensis	✓	E	15		*							*		15	4	✓	1	✓	1,5				
24	Erythrina lysistemon	✓	D	10				*				*		*	25	6	✓	1,5	✓	1,5-2				
25	Euclea natalensis *	✓	D	4-10							*	*			7	3					✓	1,5-2		
26	Euphorbia tirucally *	✓	E	3-5				*			*	*							✓	1-1,5				
27	Faidherbia albida	✓	D	20					*			*			22	7			✓	1,5-2	✓	2,5-3		
28	Fraxinus americana		SD	10-15				*											✓	2				
29	Freylinia lanceolata *	✓	E	3-4		*		*	*		*	*							✓	2				
30	Galpinia transvaalica *	✓	E	6				*							5	2			✓	1,5-2			✓	2,5
31	Halleria lucida	✓	E	5-12					*						5	2	✓	1	✓	1,5				
32	Heteropyxis natalensis	✓	D	6-10								*			10	3			✓	1,5	✓	2	✓	3,1

	Botanical Name		Mature height	Common Name	Hedging	Screening	Shade Tree	Ornamental	Fast Growing	Parking areas.	Small Gardens	Drought resist	Frost Tender	Aggressive Root	Max. Root Spread (±m)	Safest Allowable Proximity(±m)(Fp)	20ℓ		50ℓ		100ℓ		200ℓ	
																	In Stock	Height metres	In Stock	Height metres	In Stock	Height metres	In Stock	Height metres
	<i>*(Large shrub or small tree)</i>																							
33	Hymenosporum flavum		E	8-15	Australian Frangipani				*						15	4					✓	2,5		
34	Ilex mitis	✓	E	10-20	Cape holly							*			12	3			✓	1	✓	2-2,5	✓	2
35	Indigofera jucunda *	✓	SD	1-4	River Indigo			*			*						✓	1	✓	1,5				
36	Jacaranda mimosifolia		D	12-15	Jacaranda			*	*					*	25	6	✓	0,5						
37	Ligustrum ovalifolium 'Aureum'*		E	2-4	Golden Privet	*	*	*			*				12	4	✓	0,5-1						
38	Liquidamber styraciflua		D	12-15	Amber Tree		*	*	*						20	5	✓	0,5-1			✓	1,5		
39	Loxostylis alata	✓	E	6	Tarwood/Wild Pepper		*	*	*						5	2							✓	2,5
40	Milettia grandis	✓	SD	10	Umzimbeet				*						12	3			✓	1,5-2	✓	1,5-2		
41	Noltea africana	✓	D	2-6	Soap Dogwood	*	*		*										✓	2	✓	2	✓	3
42	Nuxia floribunda	✓	E	3-10	Forest Elder	*	*					*			10	3			✓	1,5-2	✓	1,5-2		
43	Olea europaea subsp. africana	✓	E	10	Wild olive			*							15	5			✓	1,5-2	✓	2	✓	3
44	Peltophorum africanum	✓	D	8	Weeping wattle			*				*			18	5	✓	1,5	✓	1,5	✓	1,5-2		
45	Pittosporum tenuifolium		E	10	Black Mitipo		*		*	*	*												✓	2,5
46	Pittosporum tenuifolium		E	3-5	New Zealand Pittospor.		*		*	*	*						✓	0,5-1						
47	Pittosporum tenuifolium 'picturata'		E	3-5	New Zealand Pittospor.		*		*	*	*						✓	0,5						
48	Pittosporum viridiflorum	✓	E	4-6	Cheese Wood			*	*	*	*	*	*		10	3	✓	1	✓	1-1,5				
49	Platanus acerifolia		D	20	London Plane			*					*		18	5			✓	2-2,5				
50	Podocarpus falcatus	✓	E	20	Outeniqua yellow wood		*	*				*			20	5					✓	1,5		
51	Populus simonii		D	8-10	Simon's Balsam Poplar	*	*		*						12	3	✓	1,5	✓	1,5-2	✓	2-2,5		
52	Prunus cerasifera		D	8	Cherry Plum				*	*	*				4	2	See Fruit Trees at end of this list							
53	Ptaeroxylon obliquum		SD	10-20	Sneezewood			*	*		*				12	4	✓	1						
54	Schinus molle		E	8-15	Pepper tree			*	*	*		*			25	5	✓	1-1,5						
55	Schotia brachypetala	✓	SD	10-15	Weeping Boer-Bean			*	*			*	*		10	3	✓	0,5			✓	1,5-2	✓	3,1
56	Searsia chirindensis	✓	SD	6-10	Red Currant				*		*	*	*		10	3							✓	3,5
57	Searsia lancea	✓	E	7-9	Black Karee		*	*	*	*	*	*	*		20	5			✓	3	✓	2-2,5	✓	3,5
58	Searsia lucida *	✓	E	2	Glossy currant		*		*		*	*	*						✓	1-1,5				
59	Searsia pendulina	✓	E	4-9	White karree		*	*	*	*	*	*	*		10	4			✓	1,5			✓	3,5
60	Senegalia burkei	✓	D	6-10	Black Monkey Thorn						*	*			18	5			✓	1,5				
61	Senegalia caffra	✓	D	13	Common hook-thorn				*		*	*			12	3	✓	1,5	✓	1,5	✓	2,5	✓	3
62	Senegalia galpinii	✓	D	20	Monkey thorn				*		*	*	*		25	8	✓	1,5	✓	1,5-2	✓	2,5	✓	3
63	Sideroxylon inerme	✓	E	10-12	White milkwood		*	*	*	*					8	3			✓	1-1,5				
64	Syagrus romanzoffiana		E	15	Cocos Palm				*	*			*				XL - 2,5 to 3m R4500.00      XXL - 5 to 6m R9000.00							
65	Syzygium paniculatum		E	5-10	Brush Cherry	*	*		*	*		*			15	4			✓	1-1,5			✓	3,1
66	Tarchonanthus camphoratus *	✓	SD	4-9	Camphor bush	*	*		*	*	*	*											✓	3
67	Trachycarpus fortunei		E	10	Chinese windmill palm			*							8	1							✓	2-3,1

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																	R228.00	R684.00	R1140.00	R3990.00	In Stock	Height metres	In Stock	Height metres
	* (Large shrub or small tree)																							
68	Vachellia karroo	✓	D	12	Sweet thorn				*						20	7	✓	1,5	✓	2	✓	2 to 3	✓	2,5
69	Vachellia robusta	✓	D	4-6	Ankle thorn				*						12	3							✓	3,1
70	Vachellia sieberiana 'woodii'	✓	D	12	Paperbark thorn			*							25	7	✓	1,5	✓	1,5-2	✓	2	✓	3
71	Vachellia xanthoploea	✓	D	15	Fever tree			*				*			15	6	✓	1	✓	1,5				
72	Vepris lanceolata *	✓	E	5-8	White ironwood		*			*	*				10	3			✓	1,5-2	✓	1,5		
73	Viburnum tinus *		E	3-5	Laurustinus	*	*		*				*		10	3	✓		✓	1,5				
74	Ziziphus mucronata	✓	D	3-10	Buffalo thorn		*	*				*			12	3	✓	1	✓	1-1,5				

### How to calculate the planting distance from an infrastructure.



Soil Factor (Fs)	
1. Deep, permeable but dry or infertile soil or sand: 0-10%	(Fs) = 0.9
2. Shallow soil over sheerock or hardpan: 0-10%	(Fs) = 0.9
3. High, if only periodic, water table: 10%	(Fs) = 0.9
4. Rocky or stony soil: 10-20%	(Fs) = 0.85
5. Stiff, heavy, compact clay: 20-30%	(Fs) = 0.75

Infrastructure Factor (Fi)	
1. Masonry valve boxes, boundary walls, plastic irrigation or sewerage pipes, paving, tarred roads and building foundations: 0%	(Fi) = 1.0
2. Concrete, rubber-jointed pipelines: 0%	(Fi) = 1.0
3. Steel, rubber-jointed pipelines: 0	(Fi) = 1.0
4. Steel, lead-jointed pipelines: 0%	(Fi) = 1.0
5. Welded steel pipelines: 30%	(Fi) = 0.7

Example 1: Consider a tree (Faidherbia albida) where the max. root spread is 22m, and that the limit of potential physical damage is 7m (Safe Allowable Prox.- Fp)  
 If this tree is to be planted in rocky soil and if the infrastructure in question is a welded steel pipeline, then this distance can be calculated as follows.

$$\text{Distance} = F_p \times F_s \times F_i = 7 \times 0.85 \times 0.7 = 4.165\text{m}$$

Therefore this tree should be planted no closer than 4,165m to the outer edge of the pipeline under these conditions

Example 2: Consider a tree (Celtis africana) where the max. root spread is 20m, and that the limit of potential physical damage is 6m (Safe Allowable Proximity- Fp)  
 If this tree is to be planted in deep, permeable but dry or infertile soil or sand and if the infrastructure in question is a boundary wall, then this distance can be follows.  
 calculated as follows.

$$\text{Distance} = F_p \times F_s \times F_i = 6 \times 0.9 \times 1.0 = 5.4\text{m}$$

Therefore this tree should be planted no closer than 5.4m to the outer edge of the wall under these conditions

\* Info supplied by RAND WATER



<b>Fruit Trees</b>			
Variety	Description	Harvest Time	Price
<b><u>Peach Free Stone - 10L Bag</u></b>			
Springcrest	Yellow flesh/Red cheek	20 Nov	R 95,00
<b><u>Peach Cling Stone- 10L Bag</u></b>			
Imperani	Yellow flesh/Red cheek	10 Jan	R 95,00
<b><u>Nectarine - 10L Bag</u></b>			
Crimson Giant	Yellow flesh/Red cheek	14 Dec	R 95,00
<b><u>Apricot - 10L Bag</u></b>			
Palesteyn	All purpose	25 Nov	R 95,00
<b><u>Plums - 10L Bag</u></b>			
Methley	Red plum	5 Nov	R 95,00
Songold	Big yellow	30 Jan	R 95,00
<b><u>Pomegranates - 5L Bag</u></b>			
Muller de Elsh	Soft pip	Feb/Mar	R 95,00
<b><u>Quinces</u></b>			
Cape Select	Yellow	Feb/Mar	R 100,00
<b><u>Figs</u></b>			
White Genoa	Yellow green	Jan	R 95,00
Adam	Purple	Feb/Mar	R 95,00
<b><u>Banana</u></b>			
Banana 50L	-50%		R 684,00
Banana 100L	-50%		R 1 140,00
<b><u>Grapes - 5L Bag</u></b>			
Catawba	Small black	Jan	R 95,00
Wit kristal	White	Jan	R 95,00
<b><u>Apples</u></b>			
Starking	Purple-yellow	Feb/Mar	R 160,00
Granny Smith	Green-yellow	Mar/Apr	R 160,00
<i>Apples to plant with Granny Smith for cross polination.</i>			
<b><u>Pears</u> <b>SOLD OUT</b></b>			
Pachams Truimph	Green yellow	15 Jan	R 150,00
<b><u>Granadilla</u></b>			
			R 95,00
<b><u>Likwart</u></b>			
			R 150,00
<b><u>Almonds - 10L Bag</u></b>			
Nepplus Ultra (plant with Non Pariel)	Paper skin	Feb/Mar	R 95,00
Non Pariel (cross pollinator)	Paper skin	14 Dec	R 95,00
<i>Nepplus Ultra is self polinated, but would be an advantage to plant with Non Pariel.</i>			
<b><u>Citrus</u></b>			
<b><u>Lemon</u></b>			
Eureka	7L Bag		R 170,00
Lime	7L Bag		R 170,00
Orange	7L Bag		R 170,00