

Jungle Paradise Garden at Mbweni Ruins

Jungle Paradise Resort & Spa, Mbweni Ruins Zanzibar



**Month one report and workplan
Including workplan and supervision arrangements until mid Sept.**

14th July 2021

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Jungle Paradise 2-month Garden Workplan

Covering the period from 19th July to 7th September

This workplan is the main tasks to be carried out over the coming two months. These are outlined per area.

Area and description	Policy	Workplan	Comments/Future plans
RG: Restaurant gardens: x4 plus lawn	See sub-gardens below. Theme: TBD but could be Flo's garden. A high priority area to be developed.		
RG1a: First beds when arrive on path from entrance.	Priority 1: Dug, Mulch, and tall mixed indigenous and introduced plants. Fully planted Theme: TBD but could be Flo's garden	1. General maintenance 2. Uncover larger rocks as in the rock garden to look attractive.	As the indigenous ground cover establishes use this bed as source for dividing and planting these
RG1b: old gravel path to be removed	To be turned into flower bed, mulch, tall mixed plants. Priority 2: (this does not have to be done immediately) P.S. is maybe that this is more useful left as a footpath for support staff.	3. Remove kokoto and earth and store by back path to kitchen, 4. Add soil and plant with 'found plants' tall.	Use 'found plants' to plant in this area. N.B. CURRENTLY WE DO NOT HAVE ENOUGH FOUND PLANTS IN THE GARDEN UNTIL SOME OF THE AREAS MATURE
RG2: Front Triangle	Priority 1 Bed with mulch planted with Sanseveria.	5. maintenance, mulching etc	

Area and description	Policy	Workplan	Comments/Future plans
		6. Additional planning of bought and found plants.	
RG3: Front Square	Priority 1. Bed of colourful low plants	7. Plant with bought and found plants.	Take some plants from the service area planters, and other found plants. Re direct some Any further purchase to be agreed between Kamau and Khamis.
RG4: Rock garden	Priority 1,	8. Plant with low and scrambling plants. (completed) 9. Remove hedge of duranta and move to wall in main carpark (where Leucena has been removed), and allow to grow into full shrubs there (completed)	Native ground covers, ferns. N.B the Chief engineer is of the opinion (not without merit) that the covered access path to the toilet (without going through the restaurant) should have been retained. A new path along the edge of the rock garden can be reinstated. The bed can even be moved if required. This would better be done soon before the plants settle.
Restaurant lawn	Pemba grass	Replant and periodic cutting (try push lawn mower)	Possibly groups of pots or specimen plants in future
Cliff including slope between bar and main steps, and small areas around the bar	'Native Dwarf Forest Garden'. Recovery of existing plant native plants and	1. Mulch exposed areas 2. Water recovering plants 3. Plant selective plants on and at base of the cliffs. 4. Cleaning foliage and selective pruning of recovering plants 5. Control of invasive Leuceana by pruning	Sideroxylon inerme and other coastal protection species to be collected or propagated (on RW return).
In Bar	Selected plants behind DJ desk and in holes in walls	6. Add kokoto to level of decking 7. Plant with selected plants	Plant Zanzibar Gem (Zamoculcus zamifolia) and creeping fig at base (found plant). Plant Microsoria scoropendria in holes in wall.
Behind Pool	Flowering and attractive shrubs and small trees that do not drop much foliage into pool	8. Use found plants for the time being 9. Some bought plants already planted	

Area and description	Policy	Workplan	Comments/Future plans
Baobab lawn	Potential site of 'Zanzibar Herbalists Garden'	10. Recovery of cut plants	
Flower beds by Rooms	Flowering and attractive shrubs and small trees that do not drop much foliage	11. Use found plants for the time being	
Main Carpark, to the Ruins.	Part of the 'African Rainforest Garden' by the gate to the ruins. Also attractive well vegetated entrance and welcome area. A) Several beds of colourful and welcoming plants and shrubs as you leave the turning circle and enter the ruins. Include the turning circle as one area of planting B) Shrubs and trees along and hiding the perimeter walls (e.g. moved Duranta, borgainvillia regrowth, bananas, heliconias etc.). C) Trees to shade cars.	12. Develop attractive planting areas near the ruins entrance 13. Plant moved Duranta hedge plants, and other shrubs. 14. Plant shade trees to shade cars (some done already) 15. Lay out the parking areas (Kamau) 16. Small fires to burn Leuceana stumps 17. Plant Gliricida sepium and fig truncheons (large cuttings) 18. Plant shade trees over car park (some done).	New area of focus now that the Restaurant and Bar are near to completion. Important welcome and transition area between parts of the garden.
Brick Garden and slopes down to the raised footpath that runs between the Restaurant and rooms	To house one of the garden types e.g. 'Flo's garden'	19. Protecting regrowth staking and roping climbers (priority 1 through out garden as time sensitive). 20. Mulching and planting beds and found plants	Stake the recovering desert rose in this area as a priority.
Circular garden developed around the large Kapok tree	'Sacred grove Garden' . This will be planted with plants of cultural significance. This area is nested within and the Jungle Garden .	21. Plant a circular border with Ti plants, dig and mulch. 22. Discuss the cultural aspects of this garden with other staff members	Plant list to be developed, to include <i>Abrus precatorius</i> and other cultural plants.
Main garden area to left of main path, between service	'Jungle Garden' . This is the main jungle area and signature	23. This has been dug and mulched	

Area and description	Policy	Workplan	Comments/Future plans
area and restaurant. This area extends from the service area and back to the ruins and includes the bamboo circle and a number of beds in the vicinity.	garden. A new jungle path will be developed in parallel to the main path and planted either side with thick barrier plants.	24. New plants have been added 25. Restore labels as possible 26. Establish a new 'Jungle Path' and plant barriers to make it seem isolated from the rest of the garden (this work will wait for RW return in Sept) 27. Plant barriers of this vegetation including heliconias, bananas, large gingers etc using found plants.	
East of ruins and between low perimeter east wall	Pemba grass, shrubs and trees	28. Decide treatment of perimeter fence/wall. It can be developed into a flowering hedge 29. Restocking with plants	
Area from rooms to beach access wall along beach up to ruins	Large area with some as proposed site of Zanzibar Farm Forest or Spice Garden,	30. Planting with spices and citrus trees purchased from Migombani agricultural research area (on RW return)	Expect this will be area for building of units.
Cascade gardens and ponds to north of Rooms block. A groups of small gardens and ponds	Not decided yet but can house the Herbalists garden.	31. Observe and protect the regenerating plants and staking or roping of climbers. 32. Rehabilitate ponds (requiring engineering inputs and costs) 33. Replanting of beds with mixed planting to be determined (TBD)	
		34.	

Overall policy points:

The following points cover general policy items for the garden and support the workplan.

1. **Area (borders or beds, lawns etc) Policy:** There are three main areas.
 - a. Plant borders that are dug over and mulched with leaf litter, old makuti, grass cuttings etc.
 - b. Pemba grass lawns that are planted with occasional trees and shrubs

- c. **Butterfly meadows.** Diverse grass areas that have wildflowers and support butterflies (2 such areas have naturally developed in the ruins and are important to safeguard.)
2. **Recovery of native and introduced plants recently heavily cut.** The garden is still recovering from the aggressive clearing. Recovering plants will be searched for, marked and cared for as they recover. Recovering climbers will be staked with tall bamboo stakes or with ropes suspended from tall tree branches, in natural looking curves.
3. **Invasive alien control.** The main species is *Leuceana*. All the mature plants have been cut down. Regrowth will be controlled and the stumps killed over a period of time. There is a large seed bank in the soil and these will be weeded as they germinate. The 22 stumps along the car park wall will be killed either by lighting small fires over each stump until it dies or treating with salt.
4. **Found plants:** To reduce the costs of plant propagation 'found plants', i.e. those growing in the garden will be relocated to areas of priority. Priorities are indicated in the workplan.
5. **Footpaths:** Footpaths will be maintained as gravel (kokoto) with coral rag stones as the border for the time being. Straight edges will be slowly curved to make them more interesting where this is easily done (some stones borders are currently cemented). Where necessary Stones will be left natural and not painted. In the longer term other path edging and types will be explored including where the plants themselves provide the border.
6. **Garden Themes:** The garden will be developed into 16 themed subgardens which will be linked through a trail (see below for draft concept)
7. **Interpreting the garden:** Imparting plant knowledge to guests and staff will be a critical part of the garden. Plant labels as a small but insufficient step towards interpretation and a small number of plant labels have been restored and placed by appropriate plants. Scientific labels can, however, be off-putting as the technical language can be a barrier as much as opening to the worlds of plants. A key future idea is to have small signs with 'plant sound bites' to engage people experiencing the garden in an exciting way. An interpretive plan will be developed in future months.
8. **Income potential:** The garden will be a support to the main attractions to Jungle Paradise being the restaurant, ruins, hotel and night club. The best time to visit the garden is in the day (although it is very atmospheric at night) and therefore works well with the ruins and restaurant. The package of a garden and ruins visit (art gallery and historic interpretation) plus a coffee or meal is a compelling one. There is potential to get some, albeit limited income from plant sales especially if a reputation is built up of supplying different type of plants to the roadside vendors..
9. **Minimal variegated foliage:** [Variagated](#) leaves are rare in nature, including in jungles and forests, but are very popular in tropical gardens. In keeping with the natural jungle feel of the garden variegated plants will be kept to a minimum but some key planting areas to show these plants will be identified.
10. **Litter:** Litter is a constant problem and all staff need to be training in not only not littering but also picking up the litter they see. Construction fundi's need strict control not to throw their waste material into the garden as this creates double work and is very unsightly. People need to be retrained that natural areas are valuable and not dumping grounds.
11. **Rubbish pit:** Currently the rubbish pit is a disaster area. Organic waste is useful and can be composted and used in the garden but there is no separation thus contaminating it and creating a lot of wasted work. Organic waste needs to be confined with one area, and other waste in another

and properly disposed of. The current management of this is creating a big headache. Someone needs to take control and institute composting, sorting and proper disposal of non-compostable waste.

Monthly report (June-July)

The Garden and Art Space contract commenced on the 18th June and has been in place for 3.5 weeks. The following has been achieved:

1. The garden team started work on 18th June.
 - a. Kamis Abeid, a member of the team, has been taken on as a Holy Rock employee as Head Gardener.
 - b. The team has worked with casual labourers and assessed their suitability for gardening work. Other casual labourers skilled in gardening have been sourced.
2. Planting material has been sourced from Kilimani Botanic Garden and Msonge Organic Farm.
3. Responsible collection from the wild in Fumba peninsula has been undertaken.
4. Plant borders have been prepared, planted and mulched. A total of 195 plants of 70 species have been planted in priority planting areas.

Species or plant	No.
Native species	45
Introduced species	25
Total species planted	70
Total plants planted	195
5. Tidying and arrangements. Many areas of the garden, footpaths and plant pots have organised and arranged. This is primarily on a temporary basis until the garden plan has been developed.
6. Invasive alien trees removed. Over 22 mature and seed bearing *Leucaena* trees (*Leucaena leucocephala*) have been removed. This is the most invasive plant in the garden. Thanks to Mr Kamau for arranging the prison's chainsaw team.
7. Close collaboration has been undertaken with site engineer Mr Kamau and his active cooperation is gratefully acknowledged.
8. Garden recording and planning:
 - a. An outline concept garden plan has been produced. This includes 16 themed garden areas within the overall garden footprint. The garden includes an element of action research...learning by doing into a 'Nature Positive' hotel garden.
 - b. Plant lists and the original garden nature trail have been sourced from an archived website. 173 species of palm and 472 other plants are listed a total of 645 plants species and varieties. Work has progressed in listing the plant species that now exist in the garden. This initial work indicated that of the non-palm species in the garden only about 30% still survive.
 - c. All of the plants currently in the garden have been recorded and there are 182 species (without distinguishing varieties). Of these about half are native to Tanzania, and half are introduced to Tanzania, while 4 are invasive in Tanzania.
 - d. Plant lists of the new plants introduced have been kept (Annex2)
 - e. A site for the garden nursery has been identified and agreed.

- f. The inspiration behind the current garden Flo Montgomery (an artist herself) has been contacted and is willing to providing information on the garden start up.
- g. One of the garden themes is a 'Freedom for Girls Garden', linked to the history of the 1874 school for freed girl slaves. Local historian founder of the Princess Salome Museum, Mr. Said has indicated that one of the graduates of the school went on be the first female member of the Legislative Council under the British colonial government and her descendants are known and still live in Zanzibar.

Garden themes

The garden will be divided into themes. A List 17 themed gardens have been identified: These are in the process of being conceptually developed, researched, locations identified and implemented.

SN	List of Garden Themes	Concept	Location	Research & work needed	Progress
1	Freedom for Girls (or Free Girls) garden.	A garden to celebrate the freed girl slaves that went to the school. Interesting this actual history resonates with the company strap line 'Feel Free'!	In the vicinity of the ruins, at a central or important location	Research the history of the girls an develop a list of plants that might represent their experiences	Local contacts have indicated that the first female member of the Zanzibar Legislative Council (pre-independence parliament) was a school graduate and her family still lives in Zanzibar
2	Jungle garden. The signature garden for Jungle Paradise at Mbweni Ruins	A garden that develops a jungle atmosphere and sense of adventure. Technically 'Jungle' is a term used for Asian rainforests, and Asian forest species in the garden will be associated with it.	Between the service entrance and the restaurant on left of main footpath	List all the plants in the area and add large foliage and climbers to create the atmosphere. Identify Asian species to link with the garden	All plants now listed and provisional assignment
3	Rainforest garden	African Rainforests are the local equivalent of Asian Jungle,	At the main entrance and car park and linking round the ruins merging into the Jungle Garden	List all the plants in the area and add large foliage and climbers to create the atmosphere. Identify Asian species to link with the garden	All plants now listed and provisional assignment
4	Dwarf Coral-Rag forest garden	This is the indigenous forest of the property.	Recovery of native dwarf		Recovery underway, plants

SN	List of Garden Themes	Concept	Location	Research & work needed	Progress
	(cliff and slope to left of main steps (from top)	It is a tropical dry forest and in this case 5dwarfed due to the harsh soil and rock conditions that despite the high rainfall creates an almost desert condition	forest and protection of cliff and soil. Mulkching and watering and staking climbers		being marked, mulched and litter control. Litter is a big problem here especially on the cliff top.
5	The Ruins Garden	The Ruins will be carefully planted to give the sense of a ruin disappearing into the Jungle. The effect will largely be given with planting of Jungle type plants in pots with cascades of vegetation. The planting will not harm the fabric of the ruins	The Ruins themselves	The planting methods will not harm the fabric of the ruins, mostly conceived at various pots and planters. The authorities will also be consulted.	The Secret Garden at Emerson Spice is the identified model. CR to visit and meet with the creator Len, she also has a wealth of hotel experience on Zanzibar so someone worth getting to know.
6	Islamic garden	Islamic gardens are important culturally in Islamic culture. They tend to be formal spaces with geometric design and have water features such as a pond or fountain.	Not identified yet, but possibly at the entrance (centre of the roundabout), or the reception square	Research into the typical garden found in Zanzibar (often in a courtyard), selection of plants. If there is hard landscaping (e.g. a fountain there will be cost implication.	Conceptual development.
7	Zanzibar Herbalist Garden (lady herbalist and Omari Nyange)	A garden featuring plants used in traditional herbal medicine. Two well known local herbalists one man and one women will be invited to suggest plants for the garden	Not identified yet	Identify and agree the herbalists, seek their approval for the garden	Conceptual development. Male herbalist is identified is head ranger for Chumbe and can be collaboration with Chumbe.
8	Children's garden (plants that display children's fruits and toys)	Children often have their own separate plant culture that is passed down through generations of rural	Not identified yet	Listing children's plants	Concept stage

SN	List of Garden Themes	Concept	Location	Research & work needed	Progress
		kids. This garden will showcase some of their favourite plants in Zanzibar			
9	Mangrove swamp garden	The line of native apple mangroves (<i>Sonneratia alba</i>) will form the 'Mangrove Swamp Garden'. Visitors can walk or swim in the mangroves and mangrove tours can be done with canoes or SUPs,	Mangrove forest	Little needed just some appropriate interpretation	Concept done, interpretation needed. Guides will need training. Contact can be made with Two Oceans for SUP or Canoe tours
10	Seagrass meadows	Seagrasses occur offshore and around the jetty. These are important marine plants and	Off and around the Jetty	Simple interpretation of the seagrasses and associated marine life	Concept done, interpretation needed. Guides will need training for snorkelling trips
11	Butterfly meadows	Species rich grassland good for butterflies and other insects	In the ruins especially the area to the left of the entrance access by the reception	Into species and butterflies	2 such areas already exist inside the ruins and need protection
12	Sacred grove garden	All cultures hold areas of nature sacred, technically known as sacred natural sites (SNS). In Zanzibar there are sacred groves known as mzimu forests, and the Islamic Holy Island of Misali.	A small circular garden around the large Kapok tree just off the main path from service area to the restaurant.	RW is an authority on the conservation aspects of SNS and	Location is identified and suitable plants are identified. Consultation on how to present the garden is needed.
13	Zanzibar farm forest garden	A garden that presents the spices and tropical plants that are part of Zanzibar's agro-forests and people depend on for food.	To the west of the Ruins from the carpark and down to the beach	Listing and procuring the typical spices and plants from this forest type	Plants have been identified. A full list needed and missing plants procured from
14	English rose garden.	An area to plant for the school's first headmistress Caroline Thackeray	In the ruins possibly at reception. This could also be the Islamic Garden	Procuring roses	We have purchased a small number of roses but not sufficient to plant the beds

SN	List of Garden Themes	Concept	Location	Research & work needed	Progress
15	Sir John Kirks Garden	Garden of the plants named after John Kirk	TBD but near or in the ruins	We already have a list of these plant and some of these will be procured	Conceptual stage
16	Flo's Garden	Flo Montgomery was the creative force behind the plantings of the Garden. From the late 1980s she developed the garden as we see it and planted 173 palms many she grew from seed		Once agreed on the concept Flo will be asked which plants and which location we could name 'Flo's Garden'	Contact has been made with Flo Montgomery, now living in UK, and she is providing information on the garden's history.
17	Garden trail – links the gardens				

Stocking the garden.

Following the clearing of the garden and with the objective of creating a jungle atmosphere, there is a need to restock. This will require bulk sourcing and propagation.

Bulk plant sourcing

To restore the garden with a mass of plants we will need large quantities of planting material. We will obtain these by two main methods.

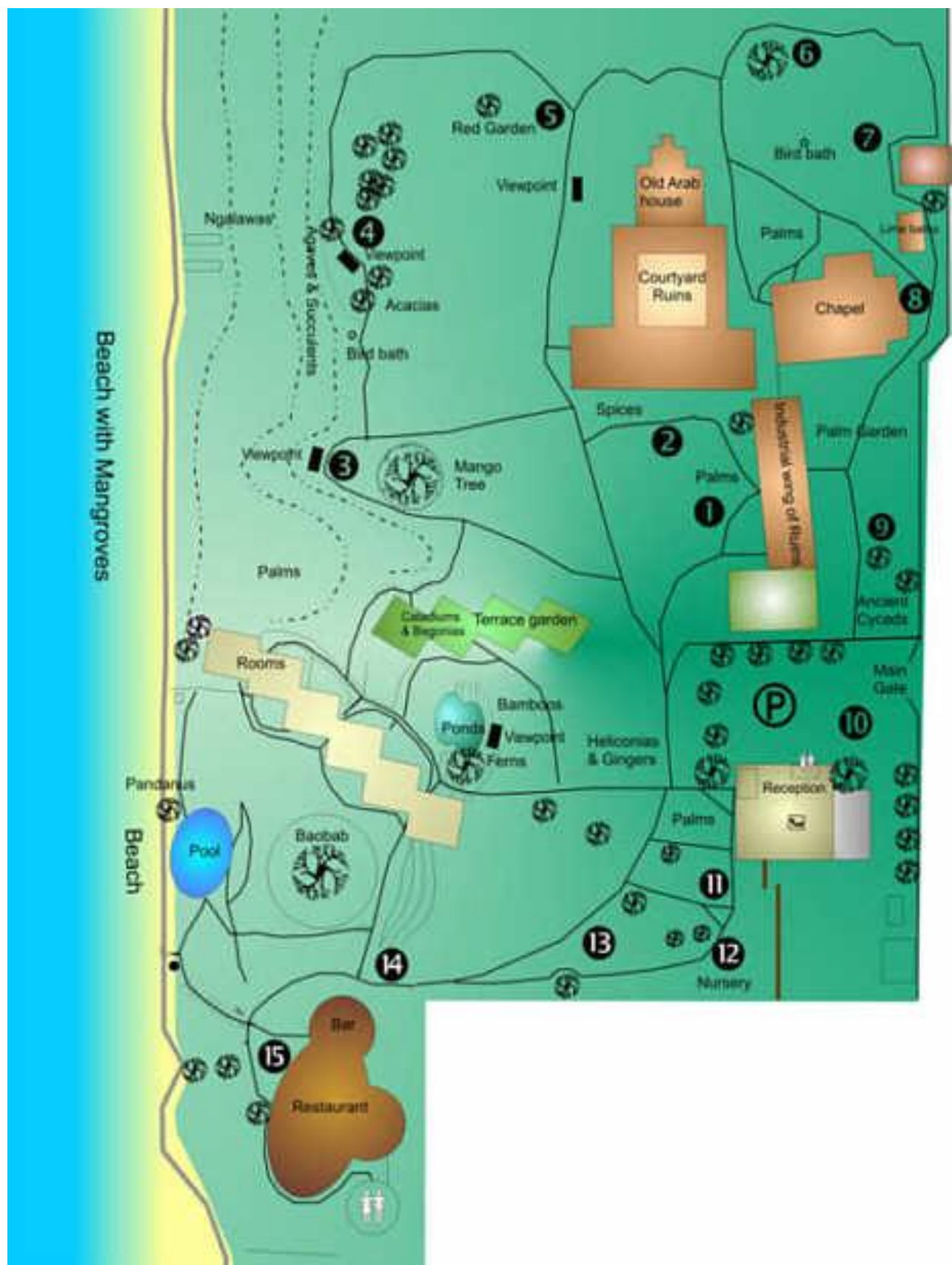
1. **Plant sharing.** If other gardens and properties have plants that they can share we will reciprocate in future.
2. **Wild collection.** To build the stock of wild plants, collection will take place in the wild. A protocol will be developed to ensure this is done without damage to native species or populations or ecosystems.

Plant propagation.

1. **Direct transplanting** within the hotel garden
2. **Hotel nursery** to take cuttings and seed planting for restocking in the garden and for sale. We will document the propagation needs of species. Main focus will be species difficult to propagate or source elsewhere.
3. **Nursery purchase:** This will be limited but a relationship will be developed with the Kiliman Botanic Garden Community Nursery. An outsourcing arrangement can be made for specific needs.

The garden will provide a key site in action research towards NATURE POSITIVE hotel property management Zanzibar. It will also provide practical information about restoring native habitats. It will also provide lessons about developing a botanic garden inspiring guests and locals about plants in the context of a commercial hotel.

Original garden nature trail from Mbweni Ruins Hotel website archive.



Action Research

Action Research, also known as 'learning by doing' is research and learning centred around specific actions. The action is taken and is then studied for its effect. It is practical and low cost. The observations are collected, documented and shared.

Principles of the Mbweni Garden Action Research

1. Community support and reciprocal help.
2. Learning about plants and nature
3. Learning from and finding opportunity in crises and mistakes.
4. Start with what we have
5. Safeguarding values – people, nature, places and culture
6. Do no harm
7. Offset

Draft principles of Nature Positive Hotel gardens and properties

1. Protect and restore local nature
 - a. Promote and look after native species
 - b. Do not introduce invasives but control and eradicate them
 - c. Do not import new species from other countries
 - d. Use plants existing locally
2. Make compost
3. Sequester carbon
4. Provide a safe space.

Annex 1. Plant species recorded by John Ndege in June-July 2021.

SN	Family	Species list (with link to key online resources)	Life form	Indigenous, Introduced or Invasive	Swahili	English name
1	Acanthaceae	Asystasia gangetica	Herb	Indigenous		
2	Acanthaceae	<i>Barleria cristata</i>	Shrub	Introduced		
3	Acanthaceae	<i>Barleria rhyncorcarpa</i>	Shrub	Indigenous		Swarn tail
	Acanthaceae	<i>Barleria retusa</i>	Herb	Indigenous		
4	Acanthaceae	<i>Ecbolium amplexicuale</i>	Shrub	Indigenous		
	Acanthaceae	<i>Thurnbergia erecta</i>	Shrub	Introduced		
5	Acanthaceae	<i>Hypoestes forskalii</i>	Shrub	Indigenous		
6	Acanthaceae	Ruellia patula	Herb	Indigenous		
7	Acanthaceae	<i>Ruspolia pseuderenthemoides</i>	Shrub	Introduced		
8	Acanthaceae	<i>Graptophyllum pictum</i>	Shrub	Introduced		
9	Acanthaceae	<i>Pseuderenthemum reticulatum</i>	Shrub	Introduced		
10	Achraceae	<i>Hydnocarpus laurifolia</i>	Tree	Introduced		
11	Aloaceae	Aloe volkensii	Shrub	Indigenous		
12	Amaranthaceae	<i>Alternanthera dentata</i>	Herb	Introduced		
13	Anacardiaceae	Lannea schweinfurthii	Tree	Indigenous		
14	Anacardiaceae	<i>Sorindea madagascariensis</i>	Tree	Indigenous		
15	Anacardiaceae	<i>Mangifera indica</i>	Tree	Cultivated		Mango
15	Anacardiaceae	<i>Spondias cytharea</i>	Tree	Cultivated	Mwembe wa Kizungu	Golden apple
16	Annonaceae	<i>Annona muricata</i>	Tree	Introduced		
17	Annonaceae	<i>Annona reticulata</i>	Tree	Introduced		
18	Annonaceae	<i>Annona senegalensis</i>	Tree	Indigenous		
19	Annonaceae	<i>Cananga odorata</i>	Tree	Naturalized		
20	Annonaceae	Monanthotaxis fornicata	Shrub	Indigenous	Mchakuzi	
21	Annonaceae	<i>Mkilua fragrans</i>	Native	Shrub		
22	Annonaceae	<i>Polyalthia longifolia</i>	Tree	Introduced		
23	Annonaceae	<i>Sphaerocoryne gracillis</i>	Climber	Native		
24	Apocynaceae	<i>Adenium obesum</i>	Shrub	Indigenous		
25	Apocynaceae	<i>Allamanda cathartica</i>	Shrub			
26	Apocynaceae	Ancylobotrys petersiana	Climber	Indigenous	Mpo	
27	Apocynaceae	<i>Carissa tetramera</i>	Shrub	Introduced		
28	Apocynaceae	Catharanthus roseus	Shrub	Invasive	Mmalaria	Madagascar periwinkle
29	Apocynaceae	<i>Ceropegia distincta</i>	Climber			
30	Apocynaceae	Cryptolepis calophylla	Climber	Indigenous		
	Apocynaceae	<i>Cryptostegia madagascariensis</i>	Climber	Introduced		Rubber vine
31	Apocynaceae	<i>Plumaria rubra</i>	Tree	Introduced		

32	Apocynaceae	<i>Saba comorensis</i>	Climber	Indigenous		
33	Apocynaceae	<i>Schizogygia coffaeoides</i>	Shrub	Indigenous		
34	Apocynaceae	<i>Secamore retusa</i>	Climber	Indigenous		
35	Apocynaceae	<i>Rauwolfia mombasiana</i>	Tree	Indigenous		
36	Apocynaceae	<i>Thevetia peruviana</i>	Tree	Indigenous		
37	Araceae	<i>Alocsia macrorhiza</i>	Herb	Introduced		
38	Araceae	<i>Gonatopus boivinii</i>	Herb	Indigenous		
39	Arecaceae	<i>Cocos nucifera</i>	Tree	Introduced		Coconut
40	Araceae	<i>Dieffenbachia reginae</i>	Herb	Introduced		
41	Arecaceae	<i>Phoenix dactylifera</i>	Tree	Introduced		
42	Arecaceae	<i>Phoenix reclinata</i>	Tree	Introduced		
43	Asparagaceae	<i>Asparaqus falcatus</i>	Climber	Indigenous		
44	Asteraceae	<i>Synedrella nodiflora</i>	Herb	Indigenous		
45	Asteraceae	<i>Tridax procumbens</i>	Herb	Introduced		
46	Asteraceae	<i>Wadelia trilobata</i>	Herb	Introduced		
47	Asteraceae	<i>Launaea cornuta</i>	Herb	Indigenous		
48	Asteraceae	<i>Vernonia cinerea</i>	Herb	Indigenous		
49	Amaryllidaceae	<i>Crinum asiatica</i>	Herb	Introduced		
50	Aralaceae	<i>Polyscias fruticosa</i>	Shrub	Introduced		
51	Aralaceae	<i>Polyscias guilfoylei</i>	Shrub	Introduced		
52	Bursaraceae	<i>Commiphora kua</i>	Shrub	Indigenous		
53	Bignoniaceae	<i>Cordia sebestena</i>	Tree	Introduced		
54	Bignoniaceae	<i>Crescentia cujete</i>	Shrub	Introduced		
55	Bignoniaceae	<i>Markhamia zanzibarica</i>	Tree	Indigenous		
56	Bignoniaceae	<i>Millingtonia hortensis</i>	Tree	Introduced		
57	Bignoniaceae	<i>Tecoma stans</i>	Shrub	Introduced		
58	Bignoniaceae	<i>Kigelia africana</i>	Tree	Introduced		
59	Bixaceae	<i>Bixa orellana</i>	Shrub	Cultivated		
60	Bombacaceae	<i>Adansonia digitata</i>	Tree	Indigenous		Baobab, Monkey bread, Guinea tamarind
59	Bombacaceae	<i>Ceiba pentendra</i>	Tree	Cultivated		
60	Capparaceae	<i>Maerua triphylla</i>	Tree	Indigenous		
61	Capparaceae	<i>Ritchia capparoides</i>	Climber	Indigenous		
62	Caricaceae	<i>Carica papaya</i>	Tree	Cultivated		
63	Casuarinaceae	<i>Casuarina equisetifolia</i>	Tree	Invasive	<i>Mvinje</i>	Whistling Pine
64	Celastraceae	<i>Azima tetraantha</i>	Climber	Indigenous		
65	Celastraceae	<i>Gymnosporia heterophylla</i>	Shrub	Indigenous		
66	Combretaceae	<i>Terminalia catappa</i>	Tree	Introduced		
67	Combretaceae	<i>Terminalia mantalis</i>	Tree	Introduced		
68	Commelinaceae	<i>Commelina sp.</i>	Herb	Indigenous	<i>Kongwa</i>	
69	Commelinaceae	<i>Commelina sp.</i>	Herb	Indigenous		
70	Commelinaceae	<i>Tradescantia spathacea</i>	Herb	Invasive		
71	Cucurbitaceae	<i>Coccinia grandis</i>	Climber	Indigenous		

72	Cycadaceae	<i>Cycas revoluta</i>	Herb	Introduced		
73	Dracaenaceae	<i>Dracaena alectrifomis</i>	Shrub	Indigenous		
74	Dracaenaceae	<i>Sansevieria bagamoyensis</i>	Tree	Indigenous		
75	Dracaenaceae	<i>Dracaena fragrans</i>	Herb	Introduced		
76	Dracaenaceae	<i>Sansevieria conspicua</i>	Herb	Indigenous		
77	Dracaenaceae	<i>Sansevieria trifasciata</i>	Herb	Introduced		Mother in law tongue
78	Euphorbiaceae	<i>Acalypha hispida</i>		Introduced		Cats tail
80	Euphorbiaceae	<i>Acalypha indica</i>	Herb	Indigenous	<i>Mgaragara paka (P&T)</i>	Indian Acalypha
81	Euphorbiaceae	<i>Coedium variagatum</i>	Shrub	Introduced		-
82	Euphorbiaceae	<i>Drypetes reticulata</i>	Tree	Native		-
83	Euphorbiaceae	<i>Euphorbia heterophylla</i>	Herb	Introduced		
84	Euphorbiaceae	<i>Euphorbia milii</i>	Herb	Introduced		
85	Euphorbiaceae	<i>Euphorbia pereskiiifolium</i>	Shrub	Native		
86	Euphorbiaceae	<i>Euphorbia hirta</i>	Herb	Indigenous		
87	Euphorbiaceae	<i>Euphorbia tirucalli</i>	Tree	Introduced		
88	Euphorbiaceae	<i>Phyllanthus reticulatus</i>	Shrub	Indigenous		
89	Euphorbiaceae	<i>Flueggea virosa</i>	Shrub	Native		
90	Euphorbiaceae	<i>Hura creptans</i>	Tree	Introduced		
91	Fabaceae	<i>Afzelia quanzensis</i>				
92	Fabaceae	<i>Albizia lebeck</i>	Tree	Introduced		
93	Fabaceae	<i>Adenanthera parvonina</i>	Tree	Indigenous		
94	Fabaceae	<i>Bauhinia tomentosa</i>	Shrub	Introduced		
95	Fabaceae	<i>Bauhinia variegata</i>	Shrub	Introduced		
96	Fabaceae	<i>Baphia kirkii</i>	Tree	Indigenous		
97	Fabaceae	<i>Cassia fistula</i>	Tree	Introduced		
98	Fabaceae	<i>Cassia grandis</i>	Tree	Introduced		
99	Fabaceae	<i>Cassia spectabilis</i>	Tree	Introduced		
100	Fabaceae	<i>Caesalpinia pulcherima</i>	Shrub	Introduced		
101	Fabaceae	<i>Dalbergia melanoxylone</i>	Tree	Indigenous		
102	Fabaceae	<i>Delonix regia</i>	Tree	Introduced		
101	Fabaceae	<i>Leucaena leucocephala</i>	Tree	Invasive		
102	Fabaceae	<i>Peltoforum Pterocarpum</i>	Tree	Introduced		
103	Fabaceae	<i>Pithecelobium dulce</i>	Tree	Introduced		Manila tamarind
104	Fabaceae	<i>Pongamia pinnata</i>	Tree	Introduced		Indian beach
105	Fabaceae	<i>Pterocarpus angolensis</i>	Tree	Indigenous		
106	Fabaceae	<i>Prioria msoo</i>	Tree	Indigenous		
107	Fabaceae	<i>Tamarindus indica</i>	Tree	Indigenous		Tamarind
108	Fabaceae	<i>Samanea saman</i>	Tree	Introduced		
109	Fabaceae	<i>Sophora inhambenensis</i>	Shrub	Indigenous		
110	Flagellaraceae	<i>Flagellaria guineensis</i>	Tree	Indigenous		
111	Guttiferae	<i>Calophyllum inophyllum</i>	Tree	Introduced		Boneo mahogany

112	Lauraceae	<i>Cinnamomum zeylanicum</i>	Tree	Cultivated		
113	Lamiaceae	<i>Hoslundia opposita</i>	Herb	Indigenous		
114	Lamiaceae	<i>Plectranthus orbicularis</i>	Herb	Native		
115	Lecythidaceae	<i>Barrintonia asiatica</i>	Tree	Introduced		Fish poison tree
116	Liliaceae	<i>Ophiopogon jaburan</i>	Tree	Introduced		
117	Liliaceae	<i>Cordyline fruticosa</i>	Herb	Introduced		
118	Lythraceae	<i>Sonneratia alba</i>	Tree	Indigenous		
119	Malpighiaceae	<i>Acridocarpus zansibarica</i>	Climber	Indigenous		
120	Malpighiaceae	<i>Galpinia glauca</i>	Shrub	Introduced		
121	Malvaceae	<i>Hibiscus rosa senensis</i>	Shrub	Introduced		
122	Malvaceae	<i>Hibiscus schizopetalus</i>	Shrub	Indigenous		
123	Malvaceae	<i>hibiscus tiliaceus</i>	Shrub	Introduced		
124	Meliaceae	Azadirachta indica	Tree	Invasive		Neem
125	Meliaceae	<i>Melia azaderach</i>	Tree	Indigenous		
126	Meliaceae	<i>Khaya nyasica</i>	Tree	Indigenous		
127	Moraceae	<i>Artocarpus altilis</i>	Tree	Cultivated		
128	Moraceae	<i>Artocarpus heterophylla</i>	Tree	Cultivated		
129	Moraceae	<i>Ficus elastica</i>	Tree	Introduced		
130	Moraceae	<i>Ficus pumila</i>	Tree	Introduced		
131	Moraceae	<i>Ficus sycomorus</i>	Tree	Indigenous	Mkuyu	
132	Moraceae	<i>Ficus tremula</i>	Tree	Indigenous		
133	Moraceae	<i>milicia exelsa</i>	Tree	Indigenous		
132	Moraceae	<i>Morus nigra</i>	Shrub	Cultivated		
133	Musaceae	<i>Musa paradisiaca</i>	Herb	Cultivated	Mgomba	Banana
134	Musaceae	<i>Heliconia sp</i>	Shrub	Introduced		
135	Musaceae	<i>Ravenala madagascariensis</i>	Shrub	Introduced		
136	Mytaceae	<i>Zysigium cuminii</i>	Shrub	Introduced		
137	Mytaceae	<i>Eugenia jambos</i>	Tree	Introduced		
138	Mytaceae	<i>Zysigium malaccense</i>	Shrub	Introduced		Java plum
139	Mytaceae	<i>Psidium guajava</i>	Tree	Cultivated		Mangosteen
140	Nyctaginaceae	<i>Bougainvillea spectabilis</i>	Tree	Cultivated		Guavas
141	Ochanaceae	<i>Ochana mossambicensis</i>	Shrub	Introduced		
142	Oleaceae	<i>Jasminium fluminence</i>	Shrub	Indigenous		
143	Oleaceae	<i>Jasminium grandiflora</i>	Shrub	Cultivated		
144	Opiliaceae	<i>Pentarrhopalopilium umbellulata</i>	Climber	Indigenous		
145	Oxilidaceae	<i>Averrhoa bilimbi</i>	Climber	Indigenous		
146	Oxilidaceae	<i>Averrhoa carambola</i>	Tree	Cultivated		
147	Oxilidaceae	<i>Oxalis corniculata</i>	Tree	Cultivated		
148	Pandanaceae	<i>Pandanus utilis</i>	Tree	Introduced		
149	Pandanaceae	Pandanus kirkii	Herb	Introduced		
150	Pandanaceae	<i>Pandanus vetchii</i>	Tree	Introduced		
151	Pandanaceae	<i>Pandanus livingstonianus</i>	Tree	Indigenous	Mkadi	

152	Poaceae	<i>Stenotaphrum dimidiatum</i>	Herb	Indigenous		
153	Polygonaceae	<i>Antigonon leptopus</i>	Climber	Introduced		
154	Pttridiaceae	<i>Nephrolepis bisrrata</i>	Herb	Indigenous		
155	Pttridiaceae	<i>Nephrolepis diffii</i>	Herb	Introduced		
156	Pttridiaceae	<i>Microsora sclopendria</i>	Herb	Indigenous		
157	Rubiaceae	<i>Coffea liberica</i>	Shrub	Introduced		
158	Rubiaceae	<i>Hamelia patens</i>	Shrub	Introduced		
159	Rubiaceae	<i>Murraya koeningii</i>	Tree	Introduced		
160	Rubiaceae	<i>Murraya paniculata</i>	Tree	Cultivated		
161	Rubiaceae	<i>Gardenia ternifolia</i>	Shrub	Introduced		
162	Rubiaceae	<i>Ixora coccinae</i>	Herb	Indigenous		
163	Rubiaceae	<i>Polysphaeria parvifolia</i>	Shrub	Introduced		
164	Rubiaceae	<i>Physcotria capensis</i>	Shrub	Indigenous		
165	Rubiaceae	<i>Blighia unijugata</i>	Tree	Indigenous		
166	Sapindaceae	<i>Allophyllus pervillei</i>	Tree	Indigenous		
167	Sapindaceae	<i>Allophyllus rubifolius</i>	Shrub	Indigenous		
168	Sapindaceae	<i>Deinbolia borbonica</i>	Shrub	Indigenous		
169	Sapindaceae	<i>Majidea zanguebarica</i>	Tree	Indigenous		
170	Sapindaceae	<i>Paulinia pinnata</i>	Tree	Indigenous		
171	Sapindaceae	<i>Sapindus saponaria</i>	Climber	Indigenous		
172	Sapotaceae	<i>Manilkara sapota</i>	Tree	Cultivated	<i>muharita</i>	Soap berry
173	Sapotaceae	<i>Sideroxylone inermes</i>	Tree	Cultivated		
174	Solanaceae	<i>Cestrum nocturnum</i>	Tree	Introduced		
175	Thymelaceae	<i>Synaptolepis oliveriana</i>	Shub	Indigenous		
176	Verbenaceae	<i>Stachytarpheta jamaicensis</i>	Herb	Introduced		
177	Verbenaceae	<i>Clerodendrum speciosissimum</i>	Climber	Introduced		
178	Verbenaceae	<i>Duranta repens</i>	Herb	Introduced		
179	Verbenaceae	<i>Petrea volubilis</i>	Herb	Introduced		
180	Vitaceae	<i>Rhoicissus revoilii</i>	Climber	Introduced		
181	Vitaceae	<i>Ampelocissus africana</i>	Climber	Indigenous		
182	Zamiaceae	<i>Encephalartos hildebrandtii</i>	Climber	Indigenous		

Annex 2. Plants planted in the garden month 1.

No	BOTANIC NAME	Swahili name	Origin	Vendor	#	Comments	Date
1	<i>Acalypha hispida</i>		Introduced	Rashid Khalifa	2		24-Jun-21
2	<i>Acridocarpus zanzibaricus</i>		Native	Mnambao ECG*	2	Wild ornamental	24-Jun-21
3	<i>Afzelia quansensis</i>		Native	Mnambao ECG*	1	Attract hornbills	24-Jun-21
4	<i>Baphia kirkii</i>		Native	Mnambao ECG*	1	Vulnerable	24-Jun-21

5	<i>Begonia</i>		Introduced	Khalifa Mzee	3		24-Jun-21
6	<i>Bixa orellena</i>		Native	Mnambao ECG*	2		24-Jun-21
7	<i>Blighia unijugata</i>		Native	Mnambao ECG*	2	Shade tree, good for car park	24-Jun-21
8	<i>Cactus sp</i>		Introduced	Mnambao ECG*	4		24-Jun-21
9	<i>Draceana aletriformis</i>		Native	Mnambao ECG*	2	Wild ornamental	24-Jun-21
10	<i>Drypetes natalensis</i>		Native	Mnambao ECG*	1	Wild ornamental	24-Jun-21
11	<i>Ecbolium amplexicuale</i>		Native	Mnambao ECG*	3	wild ornamental	24-Jun-21
12	<i>Encephalartos hilderbrandii</i>	Mgwede	Native	Mnambao ECG*	2	wild ornamental	24-Jun-21
13	<i>Ficus sansibarica</i>	Mkuyu	Native	Mnambao ECG*	1	Key stone species	24-Jun-21
14	<i>Galphimia glauca</i>		Native	Mnambao ECG*	2		24-Jun-21
15	<i>Hemerocallis littoralis</i>		Native	Mnambao ECG*	2		24-Jun-21
16	<i>Hibiscus - orange</i>		Introduced	Rashid Khalifa	2		24-Jun-21
17	<i>Impatiens balsamina - hybrid</i>		Native	Khalifa Mzee	1		24-Jun-21
18	<i>Jasminum grandiflora</i>		Introduced	Rashid Khalifa	6		24-Jun-21
19	<i>Microsoria scolopendria</i>		Native	Mnambao ECG*	3		24-Jun-21
20	<i>Mkilua fragrans</i>	Kilua	Native	Mnambao ECG*	2	Odorotum	24-Jun-21
21	<i>Paulinia pinnata</i>		Native	Mnambao ECG*	1	Wild ornamental	24-Jun-21
22	<i>Piper nigrum</i>		Introduced	Mnambao ECG*	3	Wild ornamental	24-Jun-21
23	<i>Physcotria capensis</i>		Native	Mnambao ECG*	3	Insect loving	24-Jun-21
24	<i>Prioria msoo</i>		Native	Mnambao ECG*	1	Rare species	24-Jun-21
25	<i>Pterocarpus angolensis</i>	Mninga	Native	Mnambao ECG*	2	Hard wood	24-Jun-21
26	<i>Sophora inhambensis</i>	Mtupa wa pwani	Native	Mnambao ECG*	1	Wild ornamental	24-Jun-21
27	<i>Sorindea madagascariensis</i>	Ndimu misitu	Native	Mnambao ECG*	2	Food and medicinal plant	24-Jun-21
28	<i>Spheocoryne gracillis</i>		Native	Mnambao ECG*	2	Wild ornamental	24-Jun-21
29	<i>Stelitzia yellow</i>		Introduced	Khalifa Mzee	3		24-Jun-21
30	<i>Synadenium preskiiifolium</i>	Mtupa	Native	Mnambao ECG*	1	Insects repellants	24-Jun-21
31	<i>Thunbergia erecta</i>		Native	Mnambao ECG*	2		24-Jun-21

32	<i>Thunbergia erecta</i>		Native	Rashid Khalifa	2		24-Jun-21
33	<i>Ziziphus robertsoniana</i>		Native	Mnambao ECG*	1	Endangered, for Chumbe	24-Jun-21
34	<i>Zygium malaccense</i>	Mtofa	Native	Mnambao ECG*	1	Food plant	24-Jun-21
35	<i>Nephrolepis duffii</i>		Introduced	Khalifa Mzee	6		24-Jun-21
36	<i>Nephrolepis biserrata</i>		Introduced	Rashid Khalifa	3		24-Jun-21
37	<i>Cestrum nocturnum</i>		Introduced	Khalifa Mzee	1		24-Jun-21
38	<i>Sensevieria bagamoyensis</i>		Native	Fumba		Good for live fence	24-Jun-21
39	<i>Commiphora kua</i>		Native	Fumba		Good for live fence	24-Jun-21
40	<i>Pandanus kirkii</i>	Mkadiu	Native	Permaculture	1	Bat loving	24-Jun-21
41	<i>Saba comorensis</i>	Bungo	Native	Permaculture	4	Food plants	24-Jun-21
42	<i>Afromomum sp</i>		Introduced	Permaculture			24-Jun-21
43	<i>Plectranthus orbicularis</i>		Native	Mnambao ECG*	15	Endangered an	24-Jun-21
44	<i>Barleria rhyncorcarpa</i>		Native	Fumba	20	Butterfly loving	24-Jun-21
45	<i>Hypoestes forskoolii</i>		Native	Fumba	20	Butterfly loving	24-Jun-21
46	<i>Phytolaca grandiflora</i>		Introduced		1	Butterfly loving	09-Jul-21
47	<i>Gomphoporena globosa</i>		Introduced		4	Butterfly loving	09-Jul-21
48	<i>Rosa senensis</i>	Muhardi	Introduced	Mnambao ECG*	2		09-Jul-21
49	<i>Afzelia quansensis</i>	Mbamba Kofi	Native	Mnambao ECG*	2	Hard wood	09-Jul-21
50	<i>Sansevieria conspicua</i>	Mkongwe Mwit	Native	Mnambao ECG*	2	Ornamental	09-Jul-21
51	<i>Zamioculcas zamiifolia</i>		Native	Mnambao ECG*	2	Ornamental	09-Jul-21
52	<i>Majidea zanguebarica</i>		Native	Mnambao ECG*	2	Bird loving	09-Jul-21
53	<i>Ficus sansibarica</i>		Native	Mnambao ECG*	1	Key stone species	09-Jul-21
54	<i>Justicia capensis</i>		Native	Mnambao ECG*	5	ornamental	09-Jul-21
55	<i>Baphia kirkii</i>		Native	Mnambao ECG*	1	Vulnerable	09-Jul-21
53	<i>Commiphora kua</i>		Native	Mnambao ECG*	4	Good for live fence	09-Jul-21
54	<i>Bratansisia pubescens</i>		Native	Mnambao ECG*	1	Medicinal	09-Jul-21
55	<i>Pentas bussei</i>		Native	Mnambao ECG*	5	Ornamental	09-Jul-21
57	<i>Kalonchae</i>		Introduced	Mnambao ECG*	1		09-Jul-21
58	<i>Ophopogon</i>		Introduced	Khalifa Mzee	2		09-Jul-21
59	<i>Gomphoporena globosa</i>		Introduced	Khalifa Mzee	1		09-Jul-21
60	<i>Impatiens balsamina - hybrid</i>		Introduced	Mr.Roli	3		09-Jul-21
61	<i>Dieferenbachia sp</i>		Introduced	Mr.Roli	4		09-Jul-21

62	<i>Fern sp</i>		Introduced	Mr.Roli	5		09-Jul-21
63	<i>Coleus</i>		Introduced	Mr.Roli	1		09-Jul-21
64	<i>Majidea zanguebarica</i>		Native	Mr.Shahi	1		09-Jul-21
65	<i>Ocimum sp</i>		Introduced	Mr.Shahi	1		09-Jul-21
66	<i>Culcasia sp</i>		Introduced	Garden boys	1		09-Jul-21
67	<i>Aroids</i>		Introduced	Garden boys	3		09-Jul-21
68	<i>Aroids</i>		Introduced	Garden boys	1		09-Jul-21
	John Ndege further poposed list				195		
	<i>Durio zibethinus</i>		Native				
	<i>Nephelium lappaceum</i>		Native				
	<i>Wedelia triloba</i>		Native				

Annex 3 original list of non-palms planted in the garden (c.1990) and an assessment of presence June 2021

SN	Scientific Index on non-palms of Mbweni Gardens	Present 2021
1	<i>Acacia albida</i> - Mimosaceae - APPLE RING/ACACIA ALBIDA - Africa	yes
2	<i>Acacia auriculiformis</i> - Mimosaceae - WATTLE - Australia	No
3	<i>Acacia polyacantha</i> - Mimosaceae - FALCON'S CLAW ACACIA - East Africa	yes
4	<i>Acacia seyal</i> - Mimosaceae - WHISTLING THORN/MPIGA KURURU - East Africa	No
5	<i>Acacia tortilis</i> - Mimosaceae - UMBRELLA THORN - Africa	No
6	<i>Acalypha godseffiana</i> - Euphorbiaceae - FIDDLE-LEAF ACALYPHA - Tropical	No
7	<i>Acalypha godseffiana</i> 'Heterophylla' - Euphorbiaceae - LACE ACALYPHA- New Guinea	No
8	<i>Acalypha hispida</i> - Euphorbiaceae - CHENILLE PLANT - Indonesia	yes
9	<i>Acalypha wilkesiana</i> 'Ceylon' - Euphorbiaceae - FIREDRAGON - Tropical	No
10	<i>Acalypha wilkesiana marginata</i> - Euphorbiaceae - COPPERLEAF - South Sea Islands	No
11	<i>Acalypha wilkesiana</i> 'Hoffmannii' - Euphorbiaceae - Tropical	No
12	<i>Acalypha wilkesiana</i> 'Java White' - Euphorbiaceae - Tropical	No
13	<i>Acalypha wilkesiana</i> 'Macrophylla' - Euphorbiaceae - GIANT REDHEAD - Tropical	No
14	<i>Acrostichum aureum</i> - Filices: Polypodiaceae - LARGE-LEAVED GROUND FERN - South and East Africa	No
15	<i>Adansonia digitata</i> - Bombacaceae - BAOBAB/MBUYU - Africa, Australia + Madagascar	yes
16	<i>Adenanthra pavonina</i> - Mimosoidae - RED SANDALWOOD/RED BEAD TREE - Tropical Asia	Yes
17	<i>Adenium obesum</i> - Apocynaceae - DESERT ROSE/MDAGU - Tropical + South Africa	No
18	<i>Afromomum augustifolium</i> - Zingiberaceae - WILD CARDAMOM / MATUNGUU - Zanzibar and Pemba	yes
19	<i>Agave americana</i> 'Marginata' - Amaryllidaceae - VARIEGATED CENTURY PLANT - Mexico	No
20	<i>Agave atrovirens</i> - Amaryllidaceae - PULQUE AGAVE - Southern Mexico	No
21	<i>Agave sisalana</i> - Amaryllidaceae - SISAL - Mexico, Yucatan	No
22	<i>Agave sp.</i> - Amaryllidaceae - MKADANI - Wild in Zanzibar and Pemba	No
23	<i>Aglaonema commutatum</i> - Araceae - SILVER EVERGREEN - Philippines, Sri Lanka	Don't know
24	<i>Aglaonema modestum</i> 'Variegatum' - Araceae - Puerto Rico	Don't know
25	<i>Aglaonema</i> 'Pseudo-bracteatum' - Araceae - GOLDEN EVERGREEN - Malaysia	Don't know
26	<i>Aglaonema</i> 'Silver King' - Araceae - Malaysia	Don't know

27	<i>Aglaonema treubii</i> - Araceae - RIBBON AGLAONEMA - Celebes	Don't know
28	<i>Albizia lebbeck</i> - Mimosoidiae - WOMAN'S TONGUE/MKINGUU - Tropical Asia + Africa	yes
29	<i>Allamanda cathartica</i> - Apocynaceae - GOLDEN TRUMPET - Brazil	yes
30	<i>Allamanda cathartica</i> 'Hendersonii' - Apocynaceae - LARGE ALLAMANDA - Tropical	yes
31	<i>Allamanda violaceae</i> - Apocynaceae - PURPLE ALLAMANDA - Brazil	No
32	<i>Alocasia macrorhiza</i> - Araceae - ELEPHANT EAR - Malaysia	yes
33	<i>Alocasia macrorhiza</i> 'Variegata' - Araceae - VARIEGATED ELEPHANT EAR - Malaysia	No
34	<i>Aloe kirkii</i> - Liliaceae - MSHUBIRI MWITU - Wild in Zanzibar and Pemba	No
35	<i>Aloe vera chinensis</i> - Liliaceae - INDIAN MEDICINE PLANT - India	No
36	<i>Alpinia purpurata</i> - Zingiberaceae - RED GINGER - Malaya	Don't know
37	<i>Alpinia sanderar</i> - Zingiberaceae - VARIEGATED GINGER - New Guinea	Don't know
38	<i>Alpinia zerumbet</i> - Zingiberaceae - SHELL GINGER - China + Southern Japan	Don't know
39	<i>Alternanthera dentata</i> 'Ruby' - Amaranthaceae - FALSE GLOBE AMARANTH - Brazil	yes
40	<i>Ananas comosus</i> - Bromeliaceae - PINEAPPLE - Bahia, Mato Grosso	No
41	<i>Angraecum giryamae</i> - Orchidaceae - WHITE CLIFF ORCHID - Madagascar, wild in Zanzibar and Pemba	No
42	<i>Annona chrysophylla</i> - Annonaceae - WILD CUSTARD APPLE/MTOPE TOPE - Zanzibar and Tanzania	No
43	<i>Annona muricata</i> - Annonaceae - SOURSOP/MSTAFELI - New World Tropics	yes
44	<i>Annona reticulata</i> - Annonaceae - BULLOCK'S HEART/MTOMOKO MKUBWA - New World Tropics	yes
45	<i>Ansellia africana</i> - Orchidaceae - YELLOW SPRAY ORCHID - Africa	No
46	<i>Anthurium andraeanum</i> - Araceae - ANTHURIUM - Colombia	Don't know
47	<i>Anthurium crystallinum</i> - Araceae - ANTHURIUM - Peru	Don't know
48	<i>Antigonon leptopus</i> - Polygonaceae - CORAL VINE - Mexico	No
49	<i>Aphelandra aurantiaca</i> - Acanthaceae - FIERY SPIKE - Mexico	No
50	<i>Arachnis flos-aeris</i> - Orchidaceae - SPIDER ORCHID - Singapore	No
51	<i>Araucaria excelsa</i> - Araucariaceae - NORFOLK ISLAND PINE - Norfolk Island, N.E. Australia	Don't know
52	<i>Aristolochia grandiflora</i> - Aristolochiaceae - DUTCHMAN'S PIPE - Jamaica	No
53	<i>Artocarpus altilis</i> - Moraceae - BREADFRUIT - Polynesia	Yes
54	<i>Artocarpus heterophyllus</i> - Moraceae - JACKFRUIT - Southern India	yes
55	<i>Arundaria pumila</i> - Gramineae - DWARF BAMBOO - Japan	No
56	<i>Asclepias curassavica</i> - Asclepiadaceae - BLOOD FLOWER - Tropical America	No
57	<i>Asparagus densiflorus</i> - Liliaceae - ASPARAGUS 'FERN'/KINYWELE - Southern Africa	Don't know
58	<i>Asparagus setaceus</i> - Liliaceae - 'FERN' ASPARAGUS - Southern Africa	No
59	<i>Asplenium nidus</i> - Filices: Polypodiaceae - BIRDSNEST FERN - Africa	No
60	<i>Aster</i> spp. - Compositae - ASTER - S.E. Europe to West Africa	Don't know
61	<i>Averrhoa bilimbi</i> - Oxalicaceae - CUCUMBER TREE/MBILIMBI - India, Malaysia	yes
62	<i>Averrhoa carambola</i> - Oxalicaceae - CARAMBOLA - India + Malaysia	yes
63	<i>Azadiracta indica</i> - Meliaceae - NEEM - India, Burma + Thailand	yes
64	<i>Bambusa textilis</i> - Gramineae - South China	Don't know
65	<i>Bambusa vulgaris</i> - Gramineae - FEATHERY BAMBOO - East Indies, wild in Africa	No
66	<i>Bambusa vulgaris</i> 'Aureo-Variegata' - Gramineae - VARIEGATED GOLDEN BAMBOO/MWANZI - East Indies	No

67	Barleria cristata - Acanthaceae - PHILIPPINE VIOLET - Philippines	Yes
68	Barleria lupulina - Acanthaceae - HOP-HEADED BARLERIA - Mauritius	No
69	Barleria obtusa - Acanthaceae - BARLERIA - Tropical	No
70	Barringtonia asiatica - Barringtoniaceae - POISON FISH TREE - Indian + Pacific Oceans	Yes
71	Barringtonia racemosa - Lecythidaceae - POWDER PUFF TREE - Southern Africa	No
72	Bauhinia monandra - Caesalpiniaceae - BUTTERFLY FLOWER/ORCHID TREE - Burma	Don't know
73	Bauhinia petersiana - Caesalpiniaceae - WILD BAUHINIA - East Africa	Don't know
74	Bauhinia tomentosa - Caesalpiniaceae - YELLOW TREE BAUHINIA - Africa	Yes
75	Bauhinia variegata - Caesalpiniaceae - MOUNTAIN EBONY/ORCHID TREE - India + China	Yes
76	Bauhinia variegata var. 'Candida' - Caesalpiniaceae - WHITE BAUHINIA - India + China	Yes
77	Beaucarnea recurvata - Liliaceae - PONYTAIL 'PALM' - Mexico	Don't know
78	Begonia foliosa - Begoniaceae - FERNLEAF BEGONIA - Colombia	Yes
79	Begonia heracleifolia nigricans - Begoniaceae - STAR BEGONIA - Mexico	Don't know
80	Begonia ulmifolia - Begoniaceae - ELM LEAF BEGONIA - Colombia, Venezuela	Don't know
81	Begonia x argenteo-guttata - Begoniaceae - TROUTLEAF BEGONIA - Brazil	Don't know
82	Begonia x erytrophylla feastii - Begoniaceae - BEEFSTEAK BEGONIA - Subtropic hybrid	Don't know
83	Begonia ricinifolia - Begoniaceae - CASTOR BEAN BEGONIA - Subtropic hybrid	Don't know
84	Begonia speculata - Begoniaceae - GRAPELEAF BEGONIA - Subtropic hybrid	Don't know
85	Belloperone guttata - Acanthaceae - SHRIMP PLANT - Mexico	Don't know
86	Billbergia pyramidalis concolor - Bromeliaceae - SUMMER TORCH BROMELIAD - Brazil	Don't know
87	Bixa orellana - Bixaceae - ANNATTO/MZINGEFURI - Costa Rica	Yes
88	Bougainvillea formosa - Nyctaginaceae - BOUGAINVILLEA - Singapore	Yes
89	Bougainvillea glabra - Nyctaginaceae - PAPER FLOWER/BOUGAINVILLEA - Brazil	Yes
90	Bougainvillea glabra 'Salmonea' - Nyctaginaceae - Tropical	Yes
91	Bougainvillea spectabilis - Nyctaginaceae - Brazil	Don't know
92	Bougainvillea spectabilis 'Alba plena' - Nyctaginaceae - Brazil	Don't know
93	Bougainvillea spectabilis 'Manila Magic Pink' - Nyctaginaceae - Tropical	Yes
94	Bougainvillea spectabilis 'Mary Palmer' - Nyctaginaceae - Tropical	Don't know
95	Bougainvillea spectabilis 'Milflores' - Nyctaginaceae - Tropical	Don't know
96	Bougainvillea spectabilis 'Mrs Helen MacLean' - Nyctaginaceae - Tropical	Don't know
97	Bougainvillea spectabilis 'Mrs Lancaster' - Nyctaginaceae - Tropical	Don't know
98	Bougainvillea spectabilis 'Peter Greensmith' - Nyctaginaceae - Tropical	Don't know
99	Brachychiton acerifolium - Sterculiaceae - FLAME TREE - Australia	Don't know
100	Brassaia actinophylla - Araliaceae - QUEENSLAND UMBRELLA TREE - Australia	Don't know

101	Breynia nivosa - Euphorbiaceae - SNOW BUSH - South Sea Islands	Don't know
102	Brunfelsia pauciflora - Solanaceae - YESTERDAY, TODAY AND TOMORROW – Central and South America + The Antilles	Don't know
103	Caesalpinia coriaria - Caesalpiniaceae - DIVI DIVI - Aruba, Antilles	Don't know
104	Caesalpinia cristata - Caesalpiniaceae - BAO BUSH/MKOMBWE/MSOO - Zanzibar and Pemba	Don't know
105	Caesalpinia decapetata - Caesalpiniaceae - YELLOW MAURITIUS THORN - West Indies	No
106	Caesalpinia pulcherrima - Caesalpiniaceae - BARBADOS PRIDE/MNONYORE - West Indies	Yes
107	Caladium bicolor - Araceae - CALADIUM - Guyana, Trinidad, Brazil	Yes
108	Caladium hortulanum - Araceae - FANCY-LEAVED CALADIUM - Tropical hybrid	Don't know
109	Caladium hortulanum 'Candidum' - Araceae - WHITE CALADIUM - Tropical America	Don't know
110	Calathea ornata 'Roseo-lineata' - Marantaceae - CALATHEA - Tropical	Don't know
111	Calliandra surinamensis - Mimosoidae - POWDER PUFF/SHAVING BRUSH - Mexico	No
112	Callistemon viminalis - Myrtaceae - WEEPING BOTTLE BRUSH - Eastern Australia	No
113	Calophyllum inophyllum - Guttiferae - ALEXANDRIAN LAUREL/MTONDOO - East Indies and Malaysia	Yes
114	Calotropis procera - Asclepiadaceae - GIANT MILKWEED - West Africa to India	No
115	Capsicum frutescens - Solanaceae - BIRD PEPPER/PILIPILI HOHO - South America	No
116	Cananga odorata - Annonaceae - YLANG YLANG - Australia	Yes
117	Canna bidentata - Cannaceae - INDIAN SHOT PLANT/MITASBIHI - Tropical	Don't know
118	Canna generalis 'City of Portland' - Cannaceae - PINK CANNA - Tropical	Don't know
119	Canna generalis 'Confetti' - Cannaceae - CANNA - Tropical	Don't know
120	Canna generalis 'King Humbert' - Cannaceae - BRONZE GARDEN CANNA - Tropical	Don't know
121	Canna generalis 'Striatus' - Cannaceae - STRIPED CANNA - Tropical	Don't know
122	Carica papaya - Caricaceae - PAWPAW/MPAPAI - Central America + Brazil	No
123	Carissa edulis - Apocynaceae - East Africa	Yes
124	Carludovica palmata - Cyclanthaceae - PANAMA HAT "PALM" - Central America	Don't know
125	Cassia didymobotrya - Caesalpiniaceae - POPCORN BUSH/UPUP WA MDITU - Tropical America	No
126	Cassia excelsa - Caesalpiniaceae - CROWN OF GOLD - Brazil	No
127	Cassia fistula - Caesalpiniaceae - INDIAN LABURNUM - South Asia	Yes
128	Cassia grandis - Caesalpiniaceae - PINK SHOWER - Mexico, Central + South America	Yes
129	Cassia javanica subsp. nodosa - Caesalpiniaceae - APPLEBLOSSOM SHOWER – Eastern Himalayas to Malay Peninsula	Don't know
130	Cassia roxburghii marginatum - Caesalpiniaceae - RED CASSIA - Sri Lanka	Don't know
131	Cassia spectabilis - Caesalpiniaceae - GOLDEN WONDER TREE - Tropical America	Yes
132	Cassytha filiformis - Lauraceae - MLAMGAMIA - Zanzibar and Pemba	No
133	Casuarina equisetifolia - Casuarinaceae - CASUARINA/MVINJE - Australia	No
134	Catharanthus roseus - Apocynaceae - MADAGASCAR PERIWINKLE - Madagascar	Yes
135	Ceiba pentandra - Bombacaceae - KAPOK/MSUFI - Tropical Africa and America	Yes
136	Celosia cristata - Amaranthaceae - COXCOMB/MFUNGU - East Indies + Tropical Africa	No
137	Ceratozamia hildae - Zamiaceae - BAMBOO ZAMIA - Mexico	No

138	<i>Cereus peruvianus</i> - Cactaceae - COLUMN CACTUS - Peru	Yes
139	<i>Cestrum nocturnum</i> - Solanaceae - QUEEN OF THE NIGHT - South East Asia	No
140	<i>Chlorophora excelsa</i> - Moraceae - MVULE - East Africa	Yes
141	<i>Chlorophyllum comosum</i> - Liliaceae - SPIDER PLANT - South Africa	Yes
142	<i>Cinnamomum zeylanicum</i> - Lauraceae - CINNAMON/MDALASINI - Ceylon	Yes
143	<i>Citrus aurantifolia</i> - Rutaceae - LIME/MDIMU - China	Yes
144	<i>Citrus reticulata</i> - Rutaceae - TANGERINE/MACHENZA - South East Asia	Yes
145	<i>Citrus sinensis</i> - Rutaceae - ORANGE/MACHUNGWA - China	Yes
146	<i>Clerodendrum speciosissimum</i> - Verbenaceae - GLORY BOWER - Java, Ceylon	Yes
147	<i>Clerodendrum x speciosum</i> - Verbenaceae - Tropical	Don't know
148	<i>Clerodendrum splendens</i> - Verbenaceae - CLERODENDRUM RED CREEPER - Senegambia to Angola	Don't know
149	<i>Clerodendrum thomsonae</i> - Verbenaceae - BLEEDING HEART VINE - West Africa	Don't know
150	<i>Clitoria ternatea</i> - Papilionaceae - MFUTAFUTA - Tropical Africa	Don't know
151	<i>Codiaeum variegatum</i> - Euphorbiaceae - CROTON - Indonesia + New Guinea	Yes
152	<i>Codiaeum variegatum</i> 'Acerifolium' - Euphorbiaceae - Tropical	Yes
153	<i>Codiaeum variegatum</i> 'Exotica' - Euphorbiaceae - Tropical	Don't know
154	<i>Codiaeum variegatum</i> 'Fred Sander' - Euphorbiaceae - Tropical	Don't know
155	<i>Codiaeum variegatum</i> 'Gloriosa' - Euphorbiaceae - Tropical	Don't know
156	<i>Codiaeum variegatum</i> 'Gloriosa superbum' - Euphorbiaceae - Tropical	Don't know
157	<i>Codiaeum variegatum</i> 'Majesticum' - Euphorbiaceae - Polynesia	Don't know
158	<i>Codiaeum variegatum</i> 'Puncatum aureum' - Euphorbiaceae - Tropical	Don't know
159	<i>Codiaeum variegatum</i> 'Warrenii' - Euphorbiaceae - Tropical	Don't know
160	<i>Coffea excelsa</i> - Rubiaceae - CONGO COFFEE/MBUNI - Central Africa	Yes
161	<i>Coleus</i> spp. - Labiatae - MZUGWA - Tropical Asia and Africa	No
162	<i>Colocasia antiquorum</i> - Araceae - EGYPTIAN 'TARO'/MAYUGWA - Egypt	No
163	<i>Combretum constrictum</i> - Combretaceae - TOOTHBRUSH BUSH - Africa	No
164	<i>Combretum fruticosum</i> - Combretaceae - BURNING BUSH - Tropical America	No
165	<i>Cordia lutea</i> - Boraginaceae - MKAMAZI - Polynesia,	Yes
166	Marquesas, Galapagos, W. Peru	No
167	<i>Cordia sebestena</i> - Boraginaceae - GEIGER TREE - Caribbean	Yes
168	<i>Cordyline fruticosa</i> - Liliaceae - GREEN CORDYLINE - Polynesia	Yes
169	<i>Cordyline terminalis</i> - Liliaceae - TREE OF KINGS - India, Malaysia to Polynesia	Yes
170	<i>Costus malorteanus</i> - Zingiberaceae - STEPLADDER PLANT - Costa Rica	No
171	<i>Costus speciosus</i> - Zingiberaceae - SPIRAL GINGER - India	No
172	<i>Cotyledon orbiculata</i> - Crassulaceae - South Africa	No
173	<i>Crescentia cujete</i> - Bignoniaceae - CALABASH TREE - Tropical America	Yes
174	<i>Crinum asiaticum</i> - Amaryllidaceae - CRINUM LILY - Tropical South Asia, Melanesia	Yes
175	<i>Crinum kirkii</i> - Amaryllidaceae - KIRK'S CRINUM LILY/MYONYORE - Zanzibar	No
176	<i>Crossandra infundibuliformis</i> - Acanthaceae - FIRECRACKER FLOWER - India	No
177	<i>Cryptanthus bivittatus</i> - Bromeliaceae - Brazil	No
178	<i>Cryptanthus zonatus</i> 'Zebrinus' - Bromeliaceae - ZEBRA PLANT - Brazil	No
179	<i>Cryptocereus anthonyanus</i> - Orchidaceae - ST ANTHONY'S RICK RACK - Mexico	No
180	<i>Cryptostegia grandiflora</i> - Asclepiadaceae - INDIA RUBBER VINE - Mascarene Islands	No

181	Cuphea melvilla - Lythraceae - FALSE HEATHER - Guyana	No
182	Curcuma domestica - Zingiberaceae - TURMERIC / MANJANO - India	No
183	Cycas circinalis - Cycadaceae - FERN 'PALM' - Asia	Yes
184	Cycas ophiolitica - Cycadaceae - Zimbabwe	No
185	Cycas revoluta - Cycadaceae - SAGO 'PALM' - Mexico	Yes
186	Cycas thouarsii - Cycadaceae - MTAPO - Madagascar, Comores, Seychelles + E. Africa	No
187	Cymbopogon citratus - Gramineae - LEMON GRASS - Sri Lanka	No
188	Cyperus alternifolia - Cyperaceae - UMBRELLA PLANT - Central Africa	No
189	Dalbergia melanoxylon - Papilionoidiae - AFRICAN BLACKWOOD/MPINGO - E. Africa	Yes
190	Datura mollis - Solanaceae - ORANGE MOONFLOWER - Ecuador	No
191	Davallia canariensis - Filices: Polypodiaceae - HARE'S FOOT FERN - Canary Islands, Spain , North Africa	No
192	Delonix regia - Caesalpiniaceae - FLAMBOYANT TREE - Madagascar	Yes
193	Dichorisandra siebertii - Commelinaceae - Mexico	No
194	Dichrostachys cinerea - Mimosoideae - SICKLE BUSH/MFUNGA NUYUMBA - Africa, Australia, Burma, India	Yes
195	Dieffenbachia reginae - Araceae - DIEFFENBACHIA - Estado do Rio	No
196	Dieffenbachia 'Exotica Alba' - Araceae - WHITE DIEFFENBACHIA - Costa Rica	No
197	Dieffenbachia 'Exotica Perfection' - Araceae - DIEFFENBACHIA - Florida hybrid	No
198	Dieffenbachia maculata picta - Araceae - SPOTTED DUMBCANE - BrazilS	No
199	Distictis riversii - Bignoniaceae - Mexico	No
200	Dracaena deremensis - Agavaceae - STRIPED DRACAENA - Tropical Africa	No
201	Dracaena fragrans - Agavaceae - DRAGON TREE - Africa, Asia + Australia	No
202	Dracaena fragrans 'Victoriae' - Agavaceae - PAINTED DRAGON LILY - Tropical hybrid	No
203	Dracaena marginata - Agavaceae - MADAGASCAR DRAGON TREE - Madagascar	No
204	Dracaena marginata 'Tricolor' - Agavaceae - RAINBOW TREE - Japan	No
205	Dracaena sanderianum - Liliaceae - RIBBON PLANT - Africa	No
206	Drynaria rigidula sp. - Filices: Polypodiaceae - GROUND FERN - indig. Zanzibar	Don't know
207	Duranta repens - Verbenaceae - Tropical America	Yes
208	Durio zibethinus - Bombacaceae - DURIAN/MDURIANI - Borneo, Malaysia	No
209	Eichornia crassipes - Pontederiaceae - WATER HYACINTH - America	No
210	Encephalartos hildebrandtii - Zamiaceae - MGWEDE - wild in Zanzibar	No
211	Enterolobium contortisliquum - Mimosoidiae - ELEPHANT EAR - South America	No
212	Episcia cupreata - Gesneriaceae - CARPET PLANT - Colombia	No
213	Episcia cupreata 'Tropical Topaz' - Gesneriaceae - Panama	No
214	Episcia reptans - Gesneriaceae - FLAME VIOLET - South America Epiphyllum stenopetalum Cactaceae- ORCHID CACTUS - Mexico, Veracruz	No
215	Epipremnopsis media - Araceae - Borneo	No
216	Epipremnum elegans - Araceae - New Guinea	No
217	Epipremnum pinnatum - Araceae - PHILODENDRON - Malaya through Java to New Guinea	Yes
218	Epipremnum pinnatum 'Taro Vine' - Araceae - TARO VINE PHILODENDRON - Java	No
219	Eranthemum nervosum - Acanthaceae - TROPICAL BLUE SAGE - India	No
220	Eucalyptus sp. - Myrtaceae - Australia	No
221	Eucharis grandiflora - Amaryllidaceae - AMAZON LILY - Andes of Colombia	No
222	Eugenia aqueum - Myrtaceae - WATERY ROSE APPLE/MTUFAA MWEUPE - South East Asia	No
223	Eugenia aromatica - Myrtaceae - CLOVE/MKARAFUU - East Indies	Yes
224	Eugenia jambos - Myrtaceae - ROSE APPLE/MPERA JULABI - West Indies	No
225	Eugenia malaccense - Myrtaceae - MALAY APPLE, POMERAC/MTUFAA - Malyasia	No
226	Eugenia uniflora - Myrtaceae - SURINAM CHERRY/PITANGA - Brazil, Guayana	No
227	Euphorbia candelabrum - Euphorbiaceae - CANDELABRA TREE - East Africa	No
228	Euphorbia cotinifolia - Euphorbiaceae - HIERBA MALA - Mexico to South America	No
229	Eubphorbia heterophylla - Euphorbiaceae - POINSETTIA - Mexico + Central America	Yes
230	Euphorbia milii - Euphorbiaceae - CROWN OF THORNS - Madagscar	No

231	<i>Euphorbia oncoclada</i> - Euphorbiaceae - MILK BUSH/MANYARA, MGOVU - Madagascar, Africa	No
232	<i>Ficus benjamina</i> - Moraceae - WEEPING FIG - India, Malaysia	No
233	<i>Ficus cordifolia</i> - Moraceae - STRANGLER FIG - South India, Madras	No
234	<i>Ficus elastica</i> - Moraceae - RUBBER PLANT - South East Asia	Yes
235	<i>Ficus pumila</i> - Moraceae - CREEPING FIG - China, Japan, Australia	Yes
236	<i>Fittonia verschaffeltii</i> - Acanthaceae - MOSAIC PLANT - Peru	No
237	<i>Furcraea selloa marginata</i> - Amaryllidaceae - VARIEGATED FALSE AGAVE - Colombia	No
238	<i>Galpinia glauca</i> - Malpighiaceae - SHOWER OF GOLD - Mexico	No
239	<i>Garcinia xanthochysmus</i> - Clusiaceae - MANGOSTEEN - South East Asia	No
240	<i>Gardenia tenifolia</i> - Rubiaceae - AFRICAN WILD GARDENIA - East Africa	Yes
241	<i>Gloriosa simplex</i> - Liliaceae - GLORIOSA LILY/MSAFARI - Africa	No
242	<i>Gmelina philippensis</i> - Verbenaceae - HEDGEHOG -Philippines	No
243	<i>Graptophyllum pictum</i> - Acanthaceae - PINK CARICATURE PLANT - New Guinea	Yes
244	<i>Graptophyllum pictum</i> 'Tricolor' - Acanthaceae - WHITE CARICATURE PLANT - New Guinea	Yes
245	<i>Guzmania lingulata</i> - Bromeliaceae - South America	No
246	<i>Haemanthus multiflorus</i> - Amaryllidaceae - BLOOD LILY/YUNGIMANGA - East Africa	No
247	<i>Hamelia patens</i> - Rubiaceae - FIRE BUSH - Florida, W. Indies to Bolivia	Yes
248	<i>Harpullia zanguebarica</i> - Sapindaceae - MGAMBO - East Africa	Yes
249	<i>Hedichium coronarium</i> - Zingiberaceae - BUTTERFLY GINGER - Himalayas	No
250	<i>Heliconia humilis</i> - Musaceae - LOBSTER CLAW - Brazil, Granada, Trinidad	No
251	<i>Heliconia collinsiana</i> - Musaceae - HANGING HELICONIA - Central America	No
252	<i>Heliconia distans</i> - Musaceae - Peru <i>Heliconia indica</i> var. <i>Rubricarpa</i> - Musaceae - PINK-VEINED BANANA PLANT - New Guinea	No
253	<i>Heliconia latispatha</i> - Musaceae - Central America	No
254	<i>Heliconia psittacorum</i> - Musaceae - PARROT'S BEAK HELICONIA - Venezuela	No
255	<i>Heliconia rostrata</i> - Musaceae - HANGING LOBSTER CLAW - Argentina and Peru	No
256	<i>Heliconia sharonii</i> - Musaceae - DWARF HELICONIA - South America	No
257	<i>Helxine soleirolii</i> - Urticaceae - BABY'S TEARS - Corsica, Sardinia	No
258	<i>Hemigraphis colorata</i> - Acanthaceae - RED IVY - Java	No
259	<i>Hibiscus rosa-sinensis</i> - Malvaceae - CHINESE HIBISCUS - China	Yes
260	<i>Hibiscus schizopetalus</i> - Malvaceae - FRINGED HIBISCUS - East Africa	Yes
261	<i>Hibiscus tiliaceus</i> - Malvaceae - SEASIDE MAHOE/MKUNGU MWITU - East Africa	yes
262	<i>Hippeastrum reticulatum striatifolium</i> - Amaryllidaceae - STRIPE-LEAFED AMARYLLIS - Brazil	No
263	<i>Holmskioldia sanguinea</i> 'Aurea' - Verbenaceae - MANDARIN HAT - Himalayas	No
264	<i>Holmskioldia tettensis</i> - Verbenaceae - BLUE CHINESE HAT PLANT - Central Africa	No
265	<i>Homalocladium platycladum</i> - Polygonaceae - RIBBON BUSH - Solomon Islands	No
266	<i>Hoodia rosea</i> - Asclepiadaceae - AFRICAN HAT PLANT - Africa	No
267	<i>Hoya carnosa</i> 'Variegata' - Asclepiadaceae - VARIEGATED WAX PLANT - Australian hybrid	No
268	<i>Huernia namaquensis</i> - Asclepiadaceae - Africa	No
269	<i>Hura crepitans</i> - Euphorbiaceae - SANDBOX TREE - Tropical America	Yes
270	<i>Hylocereus undatus</i> - Cactaceae - HONOLULU QUEEN - Brazil	No
271	<i>Hylocereus</i> sp.- Cactaceae - Zanzibar	No
272	<i>Hymenocallis speciosa</i> - Amaryllidaceae - SPIDER LILY - West Indies	No
273	<i>Impatiens balsamina</i> - Balsamiaceae - GARDEN BALSAM - India, wild in Zbar + Pemba	No
274	<i>Ipomoea angulata</i> - Convolvulaceae - Tanzania	No
275	<i>Ipomoea carnea</i> - Convolvulaceae - CONVULVULUS - Tropical America	No
276	<i>Ipomoea pes-caprae</i> - Convolvulaceae - BEACH CONVULVULUS/MLAKASA - East Africa	Yes
277	<i>Ipomoea nil</i> - Convolvulaceae - MORNING GLORY CREEPER - Japan	No
278	<i>Ipomoea quamoclit</i> - Convolvulaceae - CARDINAL CLIMBER - Tropical America	No
279	<i>Iresine herbstii</i> - Amaranthaceae - BEEFSTEAK PLANT - Southern Brazil	No
280	<i>Ixora coccinea</i> - Rubiaceae - FLAME OF THE WOODS - Africa + India	Yes
281	<i>Jacaranda filicifolia</i> - Bignoniaceae - JACARANDA -Brazil	No
282	<i>Jasminum multiflorum</i> - Oleaceae - STAR JASMINE - China, India	Yes

283	<i>Jasminum nitidum</i> - Oleaceae - ANGELWING JAMINE - South Pacific	No
284	<i>Jasminum mauritianum</i> - Oleaceae - MWASUMINI MWAUFU MWEUPE - Mauritius, wild in Zanzibar and Pemba	No
285	<i>Jasminum pubescens</i> - JASMINE/MWASUMINI - No. Borneo	No
286	<i>Jasminum sambac</i> - Oleaceae - ARABIAN JASMINE - India	No
287	<i>Jatropha multifida</i> - Euphorbiaceae - PHYSIC NUT/MBUNGO PEMBE - Africa	No
288	<i>Jatropha podagrica</i> - Euphorbiaceae - GUATEMALAN RHUBARB - Guatemala	No
289	<i>Kaempferia brachystemon</i> - Zingiberaceae - DWARF GINGER LILY - East Africa	No
290	<i>Kalanchoe daigremontiana</i> - Crassulaceae - DEVIL'S BACKBONE - Madagascar	No
291	<i>Khaya nyasica</i> - Meliaceae - MAHOGANY/SW. MTONDO - Africa	Yes
292	<i>Kigelia africana</i> - Bignoniaceae - SAUSAGE TREE - Africa	Yes
293	<i>Lagerstroemia indica</i> - Lythraceae - CHINESE CREPE MYRTLE - South East Asia	No
294	<i>Lagerstroemia speciosa</i> - Lythraceae - PRIDE OF INDIA - India to Australia	No
295	<i>Landolphia petersiana</i> - Apocynaceae - RUBBER VINE/MBUNGO KIDOGO - Zanzibar and Pemba	Yes
296	<i>Lawsonia inermis</i> - Lythraceae - HENNA/MHINA - Africa	No
297	<i>Leucaena glauca</i> - Mimosaceae - WILD TAMARIND/SHACK SHACK - W. Indies	Yes
298	<i>Lochnera rosea</i> - Apocynaceae - VINCA - Tropical	No
299	<i>Malvaviscus grandiflora</i> - Malvaceae - SLEEPING HIBISCUS - Central America	No
300	<i>Mammea americana</i> - Guttiferae - MAMMEE APPLE - Central + South America	No
301	<i>Markhamia obtusifolia</i> - Bignoniaceae - Africa	No
302	<i>Mangifera indica</i> - Anacardiaceae - MANGO/MWEMBE - Burma + Himalayas	Yes
303	<i>Manihot utilissima</i> - Euphorbiaceae - CASSAVA/MUHOGO - Brazil	No
304	<i>Maranta leuconeura</i> - Marantaceae - RABBIT'S FOOT - Brazil	No
305	<i>Megaskepasma erythrochlamys</i> - Acanthaceae - BRAZILIAN RED CLOAK - Brazil	No
306	<i>Melia azadirach</i> - Meliaceae - PERSIAN LILAC/CHINABERRY BEAD - Himalayas	Yes
307	<i>Mentha viridis</i> - Labiatae - MINT - wild in Zanzibar	No
308	<i>Milicia excelsa</i> - Moraceae - IROKO/SW. MVULE - Africa	Yes
309	<i>Millingtonia hortensis</i> - Bignoniaceae - INDIAN CORK TREE/MSONBARI - India	Yes
310	<i>Mimosa pudica</i> - Leguminosae - SENSITIVE PLANT/KIFA UWONGO - Brazil, naturalized in tropics	No
311	<i>Mirabilis jalapa</i> - Nyctaginaceae - FOUR O'CLOCK/KINUKA JIO - Peru	No
312	<i>Monstera obliqua</i> - Araceae - WINDOW LEAF - Amazonas	No
313	<i>Moringa oleifera</i> - Moringaceae - HORSE RADISH TREE/MRONGE - East Africa + South Asia	No
314	<i>Morus nigra</i> - Moraceae - BLACK MULBERRY/MFORSAZI - Asia	Yes
315	<i>Murraya paniculata</i> - Rutaceae - ORANGE JASMINE/CHINA BOX - Tropical Asia	Yes
316	<i>Murraya koenigii</i> - Rutaceae - CURRY LEAF/MVUJE - Ceylon	Yes
317	<i>Musa balbisiana</i> - Musaceae - PLANTAIN - South East Asia	No
318	<i>Musa coccinea</i> - Musaceae - FLOWERING BANANA - Vietnam	No
319	<i>Musa paradisiaca</i> - Musaceae - BANANA - South East Asia	Yes
320	<i>Myristica fragrans</i> - Myristicaceae - NUTMEG/MKUNGUMANGA - China + India	No
321	<i>Neoregelia spectabilis</i> - Bromeliaceae - FINGER NAIL PLANT - Brazil	No
322	<i>Nephelium lappaceum</i> - Sapindaceae - RAMBUTAN/MSHOKISHOKI - Malaya	No
323	<i>Nephrolepis bifurcata</i> - Polypodiaceae: Filices - FISHTAIL FERN - Africa, Cuba to Brazil, Hong Kong to Queensland	Yes
324	<i>Nephrolepis exaltata</i> 'Bostoniensis' - Filices: Polypodiaceae - BOSTON FERN - Boston hybrid	No
325	<i>Nephrolepis exaltata</i> 'Whitmanii' - Filices: Polypodiaceae - LACE FERN - Tropical	No
326	<i>Nerium oleander</i> - Apocynaceae - OLEANDER - Mediterranean, Arabia, North Africa	Yes
327	<i>Nerium oleander variegatum</i> - Apocynaceae - STRIPE-LEAVED OLEANDER - Subtropic hybrid	Yes
328	<i>Newtonia hildebrandtii</i> - Mimosoideae - Africa	Yes
329	<i>Nidularium tegelioides</i> - Bromeliaceae - Brazil	No
330	<i>Odontonema strictum</i> - Acanthaceae - Central America	Yes
331	<i>Ophiopogon jaburan</i> 'Variegatus' - Liliaceae - VARIEGATED MONDO GRASS - Java	Yes
332	<i>Ophiopogon japonicus</i> - Liliaceae - SNAKE'S BEARD - Japan	Yes

333	<i>Opuntia littoralis</i> - Cactaceae - PRICKLY PEAR/MPUNGATE - South America, indig. East Africa	No
334	<i>Pachystachys lutea</i> - Acanthaceae - LOLLYPOPS PLANT - Peru	No
335	<i>Panax fruticosum</i> - Araliaceae - Tropical	No
336	<i>Panax fruticosum</i> 'Guilfoylei' - Araliaceae - WILD COFFEE - Tropical	No
337	<i>Panax fruticosum</i> 'Victoriae' - Araliaceae - Tropical	No
338	<i>Pancratium zeylanicum</i> - Amaryllidaceae - Tropical Asia	No
339	<i>Pandanus kirkii</i> - Pandanaceae - SCREWPINE/MKADI - East Africa	Yes
340	<i>Pandanus livingstonianus</i> - Pandanaceae - SCREWPINE - East Africa	Yes
341	<i>Pandanus utilis</i> - Pandanaceae - COMMON SCREWPINE - Madagascar	No
342	<i>Pandanus veitchii</i> - Pandanaceae - VARIEGATED SCREWPINE - Polynesia	No
343	<i>Passiflora edulis</i> - Passifloraceae - PURPLE GRANADILLA - New World Tropics	Yes
344	<i>Passiflora quadrangulensis</i> - Passifloraceae - GIANT GRANADILLA - Tropical America	No
345	<i>Pellionia daveauana</i> - Urticaceae - TRAILING WATERMELON BEGONIA - South Vietnam, Malaya, Burma	No
346	<i>Peltophorum pterocarpum/ferrugineum</i> - Caesalpiniaceae - COPPERPOD - India	Yes
347	<i>Pennisetum seraceum</i> 'Cupreum' - Gramineae - RED FOUNTAIN GRASS - Africa	Yes
348	<i>Pentas lanceolata</i> - Rubiaceae - EGYPTIAN STAR CLUSTER - Tropical Africa, Arabia	No
349	<i>Pentas parviflora</i> - Rubiaceae - East Africa	No
350	<i>Pentas zanzibarensis</i> - Rubiaceae - KIVUMA NYUKI - Zanzibar	No
351	<i>Peperomia campylotropia</i> - Peperaceae - Mexico	No
352	<i>Pereskia grandifolia</i> - Cactaceae - ROSE CACTUS - Brazil	No
353	<i>Persea americana</i> - Lauraceae - AVOCADO/MPEA - Tropical America	No
354	<i>Petrea kohautiana</i> - Verbenaceae - PURPLE WREATH TREE - Trinidad, Guyana, Venezuela	No
355	<i>Petrea volubilis</i> - Verbenaceae - PURPLE WREATH CREEPER - Mexico to Panama	Yes
356	<i>Philodendron eichleri</i> - Araceae - KING OF TREE-PHILODENDRONS - Brazil	No
357	<i>Philodendron fragrans</i> - Araceae - Brazil	No
358	<i>Philodendron lacerum</i> - Araceae - COMMON PHILODENDRON - Brazil	No
359	<i>Philodendron panduraeforme</i> - Araceae - FIDDLE LEAF - So. Brazil	No
360	<i>Philodendron</i> x 'Wend-imbe' - Araceae - PHILODENDRON - Costa Rica, Panama hybrid	No
361	<i>Phyllostachys nigra</i> - Gramineae - BLACK BAMBOO - Southern China	No
362	<i>Pilea cadierei</i> - Urticaceae - ALUMINIUM PLANT - Vietnam	No
363	<i>Pilea depressa</i> - Urticaceae - MINIATURE PEPEROMIA - Puerto Rico	No
364	<i>Pilea spruceana</i> 'Norfolk' - Urticaceae - ANGELWINGS - Peru	No
365	<i>Pimenta racemosa</i> - Myrtaceae - BAY RUM - West Indies	No
366	<i>Pinus patula</i> - Pinaceae - MEXICAN WEeping PINE - Mexico	No
367	<i>Piper nigrum</i> - Piperaceae - PEPPER/MPILIPILI MANGA - Himalayas	No
368	<i>Pistia stratiotes</i> - Araceae - WATER LETTUCE - Tropical America	No
369	<i>Pithecellobium dulce</i> - Mimosaceae - MADRAS THORN - Mexico	Yes
370	<i>Pleomele reflexa</i> - Liliaceae - MALAYSIAN DRACAENA - Madagascar, Mauritius, India	No
371	<i>Plumbago auriculata/capensis</i> - Plumbaginaceae - LEADWORT - SouthAfrica	No
372	<i>Plumeria acuminata</i> - Apocynaceae - FRANGIPANI/TREE OF LIFE - Mexico	No
373	<i>Plumeria obtusa</i> - Apocynaceae - SINGAPORE FRANGIPANI - Singapore	Yes
374	<i>Plumeria rubra</i> - Apocynaceae - MBONO WA KIZUNGU - Central America	Yes
375	<i>Plumeria rubra</i> 'Tricolor' - Apocynaceae - ORANGE FRANGIPANI - Central America	Yes
376	<i>Pogonatherum paniceum</i> - Gramineae - DWARF BAMBOO - Zanzibar + Pemba	No
377	<i>Polianthes tuberosa</i> - Amaryllidaceae - TUBEROSE - Mexico	No
378	<i>Polyalthia longifolia pendula</i> - Annonaceae - ASHOK/MAST TREE - India	Yes
379	<i>Polypodium scolopendria</i> - Polypodiaceae - GROUND FERN/MKUTIKUTI - Zanzibar and Pemba	Yes
380	<i>Polyscias fruticosa</i> - Araliaceae - PARSLEY PANAX	Yes
381	- Polynesia, Malaysia, India	Yes
382	<i>Polyscias guilfoylei</i> - Araliaceae - WILD COFFEE - Pacific and Malaysia	Yes
383	<i>Polyscias guilfoylei</i> 'Filicifolia' - Araliaceae - FERNLEAF PANAX - Hawaii	Yes
384	<i>Polyscias guilfoylei</i> 'Quincefolia' - Araliaceae - CELERY LEAF ARALIA - Florida	Yes

385	<i>Polyscias guilfoylei</i> 'Victoriae' - Araliaceae - LACE ARALIA - Polynesia	Yes
386	<i>Pongamia pinnata</i> - Papilionoidiae - INDIAN BEECH - India	Yes
387	<i>Pontederia lanceolata</i> - Pontederiaceae - PICKEREL WEED - Southeast USA	No
388	<i>Portulaca foliosa</i> - Portulacaceae - East Africa	No
389	<i>Portulaca grandiflora</i> - Portulacaceae - MOSS ROSE - Brazil	No
390	<i>Psidium guajava</i> - Myrtaceae - GUAVA - South America, Mexico, West Indies	Yes
391	<i>Pteris cretica</i> - Filices: Polypodiaceae - TABLE FERN - Tropical	Yes
392	<i>Pterocarpus angolensis</i> - Papilionoidiae - ROSEWOOD/MNINGA - East Africa	No
393	<i>Punica granatum</i> - Punicaceae - POMEGRANATE/MKOMAMANGA - Persia to the Hindu Kush	No
394	<i>Quesnelia liboniana</i> - Bromeliaceae - Brazil	No
395	<i>Quisqualis indica</i> - Combretaceae - RANGOON CREEPER - Burma to New Guinea	No
396	<i>Ravenala madagascariensis</i> - Musaceae - TRAVELLER'S TREE - Madagascar	Yes
397	<i>Rhektophyllum mirabile</i> - Araceae - Nigeria	No
398	<i>Rhipsalis cassutha</i> - Cactaceae - MISTLETOE CACTUS - Tanzania	No
399	<i>Rhoeo discolor</i> - Commelinaceae - LADIES-IN-A-BOAT - Mexico	Yes
400	<i>Rhoeo spathacea</i> 'Vittata' - Commelinaceae - VARIEGATED BOAT LILY - Mexico hybrid	Yes
401	<i>Rhus incisa</i> - Anacardiaceae - RUB-RUB BERRY - Africa	No
402	<i>Ricinus communis</i> - Euphorbiaceae - CASTOR OIL/MBARIKA - Tropical Africa	Yes
403	<i>Rosa Floribunda</i> 'Queen Elizabeth' - Rosaceae - ROSE - China, Europe, Western Asia	No
404	<i>Ruellia amoena</i> - Acanthaceae - RED CHRISTMAS PRIDE - South America	No
405	<i>Russelia equisetiformis</i> - Scrophulariaceae - CORAL PLANT - Mexico	No
406	<i>Saccharum officinarum</i> - Gramineae - SUGAR CANE/MIWA - New Guinea	No
407	<i>Samanea saman</i> - Caesalpiniaceae - RAIN/MONKEYPOD TREE - South America	Yes
408	<i>Sansevieria kirkii</i> - Liliaceae - MKONGE - Zanzibar	No
409	<i>Sansevieria scabrifolia</i> - Liliaceae - East Africa	Yes
410	<i>Sansevieria trifasciata</i> - Liliaceae - SNAKE PLANT - Africa	Yes
411	<i>Sansevieria trifasciata</i> 'Laurentii' - Liliaceae - VARIEGATED SNAKE PLANT - Africa	Yes
412	<i>Sansevieria trifasciata</i> 'Golden Hahnii' - Liliaceae - SHORT SANSIEVERIA - Trop. hybrid	Yes
413	<i>Sapindus saponaria</i> - Sapindaceae - SOAPBERRY/MHARITA - Brazil	Yes
414	<i>Scilla violacea</i> - Liliaceae - SILVER QUILL - Africa	No
415	<i>Scindapsus aureus</i> - Araceae - DEVIL'S IVY - Solomon Islands	No
416	<i>Scindapsus aureus</i> 'Marble Queen' - Araceae - TARO VINE - Tropical	No
417	<i>Scindapsus aureus</i> 'Wilcoxii' - Araceae - GOLDEN POTHOS - California	No
418	<i>Scindapsus</i> sp. 'Exotica' - Araceae - New Guinea - Jamaica, Cuba	No
419	<i>Sesbania grandiflora</i> - Papilionoidiae - CORKWOOD TREE - India to Australia	No
420	<i>Setcreasea purpurea</i> - Commelinaceae - PURPLE HEART VINE - Mexico	No
421	<i>Siphonochilus aethiopicus</i> - Zingiberaceae - KAEMPFERIA PINK - Africa	No
422	<i>Solanum seforthianum</i> - Solanaceae - POTATO VINE - Brazil	No
423	<i>Sonneratia alba</i> - Lythraceae - MANGROVE/MPITA/MLILANA - wild in Zanzibar and Pemba	Yes
424	<i>Spathiphyllum clevelandii</i> - Araceae - WHITE FLAG/PEACE LILY - Tropical America	No
425	<i>Spathiphyllum commutatum</i> - Araceae - LARGE SPATHE FLOWER - Indonesia, Philippines	No
426	<i>Spathiphyllum patinii</i> - Araceae - SPATHE FLOWER - Colombia	No
427	<i>Spathodea campanulata</i> - Bignoniaceae - AFRICAN TULIP/NANDI FLAME - Uganda	No
428	<i>Spathoglottis plicata</i> - Orchidaceae - Malaysia	No
429	<i>Spondias cytherea</i> - Anacardiaceae - GOLDEN APPLE/MWEMBE WA KIZUNGU - Pacific Islands	Yes
430	<i>Stachytarpheta jamaicensis</i> - Verbenaceae - DEVIL'S COACHWHIP - Jamaica, indig. East Africa	No
431	<i>Stachytarpheta</i> spp. - Verbenaceae - VERVAIN/KIKWAYAKWAYA - wild in Zanzibar and Pemba	
432	<i>Stapelia nobilis</i> - Asclepiadaceae - STARFISH FLOWER CACTUS - Mozambique	No
433	<i>Stapelia semota lutea</i> - Asclepiadaceae - Tanzania	No
434	<i>Stenotaphrum dimidiatum</i> - Gramineae - PEMBA GRASS - Pemba	Yes

435	<i>Strelitzia reginae</i> - Strelitziaceae - BIRD-OF-PARADISE FLOWER - South Africa	No
436	<i>Strobilanthes dyerianus</i> - Acanthaceae - PERSIAN SHIELD - Burma	No
437	<i>Syngonium podophyllum</i> 'Albo-virens' - Araceae - WHITE LEAF SYNGONIUM - Mexico, Nicaragua	No
438	<i>Syngonium podophyllum</i> 'Tri-leaf wonder' - Araceae - ARROWLEAF PLANT - Tropical	No
439	<i>Syngonium podophyllum</i> 'Variegatum' - Araceae - AFRICAN EVERGREEN - Mexico, Nicaragua	No
440	<i>Syzygium cuminii</i> - Myrtaceae - JAVA PLUM/MZAMBARAO - India, Tropical Asia	No
441	<i>Tabernaemontana coronaria</i> - Apocynaceae - CRAPE JASMINE - India	No
442	<i>Tabernaemontana corymbosa</i> - Apocynaceae - FLOWER OF LOVE - India	No
443	<i>Tagetes</i> spp. - Compositae - MARIGOLD - South America and Mexico	No
444	<i>Tamarindus indicus</i> - Caesalpiniaceae - TAMARIND/MKWAJU - India + Africa	Yes
445	<i>Tecoma stans</i> - Bignoniaceae - YELLOW BELLS - Mexico + Central America	Yes
446	<i>Tectona grandis</i> - Verbenaceae - TEAK/MSAJI - South East Asia	No
447	<i>Telanthera bettzickiana</i> - Amarantaceae - JOSEPH'S COAT - West Indies	No
448	<i>Terminalia catappa</i> - Combretaceae - INDIAN ALMOND - Madagascar to Bonin	Yes
449	<i>Terminalia fruticosa</i> - Combretaceae - MKUNGUNI - Zanzibar and Pemba	Yes
450	<i>Thespesia populnea</i> - Malvaceae - BEACH HIBISCUS/MTAKAWA - Tropical seashores	No
451	<i>Thevetia peruviana</i> - Apocynaceae - BE-STILL TREE - Central + South America	Yes
452	<i>Thunbergia erecta</i> - Acanthaceae - KING'S MANTLE - West Africa	No
453	<i>Thunbergia grandiflora</i> - Acanthaceae - CLOCK VINE - India	No
454	<i>Thunbergia grandiflora</i> 'Alba' - Acanthaceae - WHITE THUNBERGIA - Indian hybrid	No
455	<i>Thunbergia mysorensis</i> - Acanthaceae - India	No
456	<i>Tillandsia cyanea</i> - Bromeliaceae - PINK QUILL - Ecuador	No
457	<i>Tillandsia usneoides</i> - Bromeliaceae - SPANISH MOSS - USA to Argentina and Chile	No
458	<i>Trema orientalis</i> - Ulmaceae - PIGEONWOOD - Africa	No
459	<i>Trichocereus pachanoi</i> - Cactaceae - NIGHT BLOOMING SAN PEDRO - Ecuador	
460	<i>Triphasia trifolia</i> - Rutaceae - MYRTLE LIME/MDIMU WA CHINA - Asia	No
461	<i>Uvaria</i> sp. - Annonaceae - MKILUA - India	No
462	<i>Vangueria madagascariensis</i> - Rubiaceae - WILD MEDLAR - Africa	No
463	<i>Vanilla planifolia</i> - Orchidaceae - VANILLA/MVANILA - Mexico	Yes
464	<i>Verbena hybrida</i> - Verbenaceae - VERBENA - Brazil to Chile	No
465	<i>Wedelia trilobata</i> - Compositae - CREEPING DAISY - W. Indies, N So. America	Yes
466	<i>Yucca aloifolia</i> - Liliaceae - SPANISH BAYONET - S.E. United States, Mexico, West Indies	No
467	<i>Zamia furfuracea</i> - Zamiaceae - JAMAICA SAGO - Mexico	No
468	<i>Zebrina pendula</i> - Commelinaceae - WANDERING JEW - Mexico	No
469	<i>Zephyranthes</i> spp. - Amaryllidaceae - 'CROCUS' - West Indies and tropical America	No
470	<i>Zingiber officinale</i> - Zingiberaceae - GINGER/MTANGAWIZI - Pacific Islands	No
471	<i>Zingiber zerumbet</i> - Zingiberaceae - BITTER GINGER - India to Polynesia	No
472	<i>Ziziphus mauritiana</i> - Rhamnaceae - INDIAN JUJUBE/MKUNAZI - India	Yes

Summary		Number
Yes		140
No		268
Don't know		36
Total assessed		444
mis-formatted		28

Original plant list of Mbweni Gardens	
PALMAE FAMILY: (ARECACEAE)	
1	<i>Acoelorrhaphe wrightii</i> – SILVER SAW PALMETTO – Central America,
2	West Indies and Florida

3	<i>Aiphanes caryotifolia</i> - Columbia, Venezuela, Ecuador
4	<i>Aiphanes erinacea</i> – Colombia, Ecuador
5	<i>Archontophoenix alexandre</i> - ALEXANDER/KING PALM - Eastern Australia
6	<i>Archontophoenix cunninghamia</i> - PICCABEAN/BANGALOW PALM - Eastern Australia
7	<i>Areca catechu</i> - BETEL NUT/MPOPOO - South East Asia
8	<i>Areca triandra</i> - India, Vietnam, Laos, Cambodia, Sumatra, Borneo, Philippines
9	<i>Arenga caudate</i> var. <i>Stenophylla</i> - Thailand
10	<i>Arenga engleri</i> - Taiwan, Ryukyu Islands, India
11	<i>Arenga hookeriana</i> - Southern Thailand, Peninsular Malaysia
12	<i>Arenga obtusifolia</i> - India, Southeast Asia, Malaysia, Indonesia
13	<i>Arenga pinnata</i> - SUGAR/GOMUTI PALM - India, Southeast Asia, Malaysia, Indonesia
14	<i>Arenga undulatifolia</i> - Borneo, Indonesia, Philippines
15	<i>Arenga</i> sp. - Prachinburi, Thailand
16	<i>Attalea cohune</i> - COHUNE PALM - Belize, El Salvador, Honduras,
17	Guatemala, Costa Rica, Southern Mexico
18	<i>Bactris gasipaes</i> - PEACH PALM - Amazonian parts of Brazil,
19	Peru, Columbia, Central America
20	<i>Balaka gracilis</i> - Endemic to Fiji
21	<i>Beccariophoenix madagascariensis</i> - Madagascar
22	<i>Bismarckia nobilis</i> - BISMARCK PALM - North and West Madagascar
23	<i>Borassus aethiopum</i> - BORASSUS/MVUMO - Africa
24	<i>Brahea armata</i> - BLUE HESPER PALM - Baja California (North-West Mexico)
25	<i>Carpentaria acuminata</i> - CARPENTARIA PALM - Northern Territory, Australia
26	<i>Caryota gigas</i> – South East Asia
27	<i>Caryota mitis</i> - COMMON FISHTAIL PALM - Andaman and Nicobar Islands,
28	Myanmar, Malay Peninsula,
29	Minahasa Peninsula of the North Celebes, Java, Sumatra
30	<i>Caryota no</i> - Borneo
31	<i>Caryota urens</i> - TODDY/JAGGERY PALM - India, Myanmar (Burma), Sri Lanka
32	<i>Chamaedorea costaricana</i> - COSTA RICAN BAMBOO PALM - Costa Rica, Panama,
33	Nicaragua, Honduras
34	<i>Chamaedorea elegans</i> - PARLOUR PALM - Mexico, Guatemala, Belize
35	<i>Chamaedorea erneste-augustii</i> – Mexico, Guatemala, Belize, Honduras
36	<i>Chamaedorea glaucifolia</i> - Mexico
37	<i>Chamaedorea graminifolia</i> - Belize, Guatemala, Costa Rica
38	<i>Chamaedorea microspadix</i> - Mexico
39	<i>Chamaedorea metallica</i> - MINIATURE FISHTAIL PALM - Mexico
40	<i>Chamaedorea plumosa</i> - Mexico
41	<i>Chamaedorea potchulensis</i> - Mexico
42	<i>Chamaedorea radicalis</i> - Mexico
43	<i>Chamaedorea sartorii</i> - Mexico, Honduras
44	Honduras, El Salvador, Nicaragua, Costa Rica,
45	Panama, Columbia
46	<i>Chamaedorea warscewiczii</i> – Panama, Costa Rica
47	<i>Chamaerops humilis</i> - MEDITERRANEAN FAN PALM - Western Mediterranean
48	<i>Chambeyronia macrocarpa</i> - New Caledonia
49	<i>Coccothrinax argentata</i> - SILVER THATCH/FLORIDA SILVER PALM - Bahamas,
50	Florida Keys and Southeastern Coast (USA)
51	<i>Coccothrinax argentea</i> - Hispaniola

52	<i>Coccothrinax litoralis</i> - Cuba
53	<i>Coccothrinax miraguama</i> – Cuba
54	<i>Cocos nucifera</i> var. “East African tall” - COCONUT/MNAZI - tropical and subtropical
55	locations; origin probably the Pacific Basin
56	<i>Cocos nucifera</i> var. “Pemba dwarf” - COCONUT/MADAFU - origin probably Pacific Basin
57	<i>Copernicia baileyana</i> - YAREY PALM - Endemic to Cuba
58	<i>Copernicia macroglossa</i> - Cuba
59	<i>Copernicia prunifera</i> - CARNAUBA WAX PALM - Northeastern Brazil
60	<i>Copernicia rigida</i> - Cuba
61	<i>Corypha umbraculifera</i> – India, South East Asia
62	<i>Cryosophila argentata</i> – SILVERY ROOTSPINE PALM– Western Mexico to Northern Columbia
63	<i>Cryosophila nana</i> - ROOTSPINE PALM - Western Mexico to Northern Columbia
64	<i>Cryosophila warscewizii</i> - Western Mexico to Northern Columbia
65	<i>Cyrtostachys renda</i> – SEALING WAX/LIPSTICK PALM – Peninsular Malaysia,
66	Southern Thailand, Borneo, Sumatra
67	<i>Deckenia nobilis</i> - PALMISTE - Seychelle Islands
68	<i>Dictyosperma album</i> var. <i>conjugatum</i> - HURRICANE/PRINCESS PALM - Mascarene Islands
69	<i>Dryophloeus olivaeformis</i> - Moluccas, New Guinea and Solomon Islands
70	<i>Dypsis ambasindare</i> - Madagascar
71	<i>Dypsis cabadae</i> - CABADAE PALM - Only known from cultivated plants, origin unknown;
72	believed to be from the Comoro Islands or Madagascar
73	<i>Dypsis decaryi</i> - TRIANGLE PALM - Southern Madagascar
74	<i>Dypsis decipiens</i> - Madagascar
75	<i>Dypsis lutescens</i> - GOLDEN CANE/ARECA/BUTTERFLY PALM - Eastern Madagascar
76	<i>Dypsis madagascariensis</i> - MADAGASCAR PALM - Nossi Be Island and Northwestern and Western Madagascar
77	<i>Dypsis pembana</i> (from seeds ex Ngezi Forest, Pemba) - PEMBA PALM/MPAPINDI - Endemic in Pemba Island, Tanzania
78	<i>Dypsis pembana</i> (hybridized variety from Sultan’s Palm Garden, Zanzibar) - PEMBA PALM - Zanzibar Island, Tanzania
79	<i>Elaeis guineensis</i> - AFRICAN OIL PALM /MKIKICHI - Tropical, West and Central Africa and Madagascar
80	<i>Euterpe oleracea</i> - ASSAI PALM - Brazil and North Coast of South America
81	<i>Gastrococos crispa</i> - CUBAN BELLY PALM - Cuba
82	<i>Gronophyllum ramsayii</i> – Northern Territory, Australia
83	<i>Heterospathe elata</i> – Phillipines, Moluccas, Guam, Palau Islands
84	<i>Howea belmoreana</i> - KENTIA BELMOREANA - Lord Howe Island
85	<i>Hyophorbe lagenicaulis</i> - BOTTLE PALM - Round Island (Mascarene Islands)
86	<i>Hyophorbe verschaffeltii</i> - SPINDLE PALM - Endemic to Rodriguez Island (Mascarene Islands)
87	<i>Hyphaene compressa</i> - EAST AFRICAN/BRANCHING DOUM PALM - Somalia, Kenya, Tanzania, Mozambique
88	<i>Hyphaene coriacea</i> - DOUM/ELALA PALM - from South Africa (Natal)
89	north through Tropical East Africa, Somalia & Madagascar
90	<i>Hyphaene petersiana</i> - SINGLE DOUM PALM - South Africa, Tanzania, Zaire, Angola, Namibia
91	<i>Latania loddigesii</i> - BLUE LATAN - Mascarene Islands
92	<i>Latania lontaroides</i> - RED LATAN - Mascarene Islands
93	<i>Latania verschaffeltii</i> - YELLOW LATAN - Rodriguez Island (Mascarene Islands)
94	<i>Licuala grandis</i> - RUFFLED FAN PALM - Vanuatu (New Hebrides Islands)
95	<i>Licuala lauterbachii</i> - New Guinea, Bougainville Islands, Solomon Islands
96	<i>Licuala peltata</i> - India, Bangladesh, Myanmar (Burma) and Thailand

97	<i>Licuala ramsayii</i> - Northeast Queensland (Australia)
98	<i>Licuala rumphii</i> - Eastern Indonesia
99	<i>Licuala spinosa</i> - SPINY LICUALA - Peninsular Malaysia, Phillipines,
100	Thailand, Andaman Islands, Sumatra, Java, Borneo
101	<i>Livistona australis</i> - AUSTRALIAN FAN PALM - Eastern Australia
102	<i>Livistona chinensis</i> - CHINESE FAN/FOUNTAIN PALM - Ryukyu and Bonin Islands,
103	Volcano Islands and Kyushu Islands (Japan)
104	<i>Livistona chinensis</i> var. <i>subglobosa</i> - WILD CHINESE FAN PALM - Japan, Ryukyu and Bonin Islands
105	<i>Livistona rotundifolia</i> - FOOTSTOOL PALM - Philippines, the Indonesian Islands
106	<i>Lytocarium weddellianum</i> - MINIATURE COCONUT - Brazil
107	<i>Nannorrhops ritcheana</i> – MAZARI PALM – Afghanistan, Arabia, Iran, Pakistan
108	<i>Normanbya nomanbyii</i> - QUEENSLAND BLACK PALM - Northeastern Queensland
109	<i>Oncosperma tigilarium</i> – NIBUNG PALM– Sumatra, Borneo, Java, Peninsular Malaysia
110	<i>Orania palindan</i> - Islands of Luzon and Sibuyan (Phillipines)
111	<i>Pelagodoxa henryana</i> – Marquesas Islands
112	<i>Phoenix canariensis</i> - CANARY ISLAND DATE PALM - Canary Islands
113	<i>Phoenix dactylifera</i> - DATE PALM/MTENDE - North Africa, Middle East, India
114	<i>Phoenix reclinata</i> - AFRICAN WILD DATE PALM/MKINDU - Tropical and Southern Africa
115	<i>Phoenix roebelenii</i> - DWARF/PIGMY DATE PALM - Northeast India, Myanmar (Burma)
116	<i>Phoenix rupicola</i> - CLIFF DATE PALM - India
117	<i>Phoenix sylvestris</i> - INDIAN WILD DATE PALM - India
118	<i>Pinanga caesia</i> - Tropical Southeast Asia
119	<i>Pinanga coronata/kuhlii</i> - IVORY CANE/PINANG PALM - Sumatra, Java
120	<i>Polyandrococos caudescens</i> – BURI PALM - Brazil
121	<i>Pritchardia pacifica</i> - FIJI FAN PALM - Tonga, Western Samoa and Fiji
122	<i>Pritchardia thurstonii</i> - Fiji
123	<i>Ptychococcus paradoxus</i> – New Guinea rainforest
124	<i>Ptychosperma caryotoides</i> - New Guinea, Australia
125	<i>Ptychosperma cuneatum</i> - Tropical Southeast Asia to Northeastern Australia
126	<i>Ptychosperma elegans</i> - SOLITAIRE PALM - Northeastern Australia
127	<i>Ptychosperma lineare</i> - Southeastern New Guinea
128	<i>Ptychosperma macarthurii</i> - MACARTHUR PALM – S. Central New Guinea,
129	Torres Strait Islands, Eastern Cape York Peninsula
130	<i>Ptychosperma microcarpa</i> - Central New Guinea
131	<i>Ptychosperma propinquum</i> - Moluccas and
132	Islands adjacent to West Irian (E. Indonesia)
133	<i>Ptychosperma robustum</i> , var. <i>clumping</i> - New Guinea
134	<i>Ptychosperma sanderianum</i> – Easternmost New Guinea
135	<i>Raphia farinifera</i> - RAFFIA PALM/MWALE - humid regions of Africa
136	<i>Ravenea rivularis</i> - MAJESTY PALM - South Central Madagascar
137	<i>Ravenea xerophylla</i> - Madagascar
138	<i>Reinhardtia gracilis</i> – WINDOW PANE PALM – Mexico, Central America
139	<i>Rhapis excelsa</i> - LADY PALM - Southern China
140	<i>Rhapis lacensis</i> - Thailand
141	<i>Rhapis subtilis</i> var. <i>wild</i> , endemic - Pracinburi, Thailand
142	<i>Rhopaloblaste augusta</i> – NICOBAR MAJESTIC PALM – Nicobar Islands
143	<i>Roystonea dunlopiana</i> - Honduras
144	<i>Roystonea oleracea</i> - CARIBBEAN ROYAL/CABBAGE PALM - Trinidad, Tobago,
145	Barbados, Dominica, Guadeloupe, Martinique,

146	Guyana, Venezuela
147	Roystonea regia - CUBAN ROYAL PALM - Cuba, Honduras
148	Sabal causiarum - PUERTO RICAN HAT PALM - Puerto Rica, Anegada,
149	Haiti, Dominican Republic
150	Sabal mauritiiformis - SAVANNAH PALM - Mexico, Central America,
151	olumbia and Venezuela, Trinidad
152	Sabal palmetto - PALMETTO PALM/CABBAGE PALMETTO - Peninsular Florida,
153	Coastal Georgia, Carolina, Cuba, Bahamas
154	Sabal princeps - West Indies
155	Sabal riverside - South America
156	Salacca zalacca - SALAK PALM - Indonesia
157	Serenoa repens – SAW PALMETTO – Southeastern USA
158	Syagrus flexuosa - South America
159	Syagrus picrophylla - South America
160	Syagrus romanzoffiana - QUEEN PALM - Argentina, Paraguay, Uruguay, Bolivia, Brazil
161	Syagrus sancona - Peru
162	Thrinax parviflora - THATCH PALM - Jamaica
163	Trachycarpus fortunei - CHINESE WINDMILL/CHUSAN PALM - China
164	Veitchia joannis - Endemic to Fiji
165	Veitchia merrillii - CHRISTMAS/MANILA PALM - Endemic to the Phillipines
166	Veitchia montgomeryana - MONTGOMERY PALM - Vanuatu (New Hebrides)
167	Veitchia sp. - Vanuatu, Fiji, Phillipine Islands
168	Verschaffeltia splendida - STILT PALM - Seychelle Islands
169	Wallichia disticha - WALLICH PALM - India, Myanmar (Burma)
170	Washingtonia filifera - CALIFORNIA COTTON PALM - S.E. California,
171	W. Arizona, (USA) Baja, California (Mexico)
172	Washingtonia robusta - SKYDUSTER - Baja, California and Sonora, Mexico
173	Wodyetia bifurcate – FOXTAIL PALM – North Queensland, Australia