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TREC Tropical Fruit Collections

The tropical and subtropical fruit collections at the University of Florida's Tropical Research and Education Center are an integral part of the mission of the University of Florida's research, teaching, and extension programs. Trees in our collection are a partial source of propagation material for many of the fine nurseries in south Florida who provide commercial and urban residents with tropical fruit trees. In addition, plant material from our collections is used by applied and basic researchers throughout the U.S. and the world in their research investigations. Our collections are also part of the educational programs offered by educators from primary school through graduate training programs and other professional programs. The TREC collection is also used in the extension education and outreach programs of the University of Florida and are viewed, studied, and used for training and educating commercial clientele, interested professionals, and urban residents with an interest in tropical fruit trees.

The TREC collections are a part of an informal network of various research and educational institutions involved in tropical fruit germplasm (cultivars, varieties, clones, accessions) evaluation and preservation including:

- Tropical Research and Education Center <http://trec.ifas.ufl.edu>
- USDA-ARS Subtropical Horticulture Research Station and National Clonal Germplasm Repository <http://www.ars-grin.gov/mia/homeshrs.htm>
- Fairchild Tropical Botanical Garden <http://www.fairchildgarden.org/>
- Fruit and Spice Park (Miami-Dade County Parks and Recreation Dept.) http://www.miamidade.gov/parks/Parks/fruit_spice.asp
- The Kampong (Part of the National Tropical Botanical Garden) <http://www.ntbg.org/gardens/kampong.html>

The living collections at TREC are in a continual evolution of development and change. Some of this change is brought about by plant improvements and a desire to update the collections, others to preserve important selections or clones used by the local industry; still other changes are brought about by natural events such as hurricanes, floods, drought, and freezing temperatures.

In general, small amounts of propagation material (i.e., seeds, budwood, and graftwood) are available upon request. However, some of our collection may be found in commercial nurseries in south Florida.

Avocado (*Persea americana*) – The Florida Collection. At present we are expanding our collection of important avocado cultivars from Florida and beginning to include a collection of clones that produce seedless fruit.

| # | Cultivar |
|----|----------------|
| 1 | Bernecker |
| 2 | Beta |
| 3 | Booth 7 |
| 4 | Booth 8 |
| 5 | Brogdon |
| 6 | Brooks Late |
| 7 | Choquette |
| 8 | Donnie |
| 9 | Dupuis |
| 10 | Kampong |
| 11 | Lisa |
| 12 | Loretta |
| 13 | Miguel |
| 14 | Monroe |
| 15 | Nesbitt |
| 16 | Peterson |
| 17 | Pollock |
| 18 | Reed |
| 19 | Russell |
| 20 | Semil 34 |
| 21 | Simmonds |
| 22 | Taylor |
| 23 | Tonnage |
| 24 | Winter Mexican |

Mango (*Mangifera indica*) Collection – The World of Mangos. At present TREC has one of the most extensive mango collections in the U.S. Our cultivars come from Florida and all over the world.

| # | Cultivar | # | Cultivar |
|----|------------------|----|-------------------|
| 1 | Alfonso | 65 | Martin |
| 2 | Alice | 66 | Mesk |
| 3 | Ameeri | 67 | Miami Late |
| 4 | Anderson | 68 | Mon Tong 9822 |
| 5 | A6 Reasoner | 69 | Mulgoba |
| 6 | Baliley's Marvel | 70 | Nam Tam Teen 9884 |
| 7 | Baptiste | 71 | Nom Doc Mai |
| 8 | Besennara | 72 | No. 11 |
| 9 | Beverly | 73 | Ono |
| 10 | Bombay Green | 74 | Ott |
| 11 | Borsha | 75 | Paheri |

| | | | |
|----|---------------------------------|-----|-----------------------|
| 12 | Brander | 76 | Palmer |
| 13 | Brooks | 77 | Parris |
| 14 | Bullocks Heart | 78 | Pascual |
| 15 | Burgner | 79 | Peach |
| 16 | Cambodiana | 80 | Pettigrew |
| 17 | Carabao | 81 | Phillipine |
| 18 | Carabao N4116 | 82 | Pillsbury A |
| 19 | Carrie | 83 | Pope |
| 20 | Cushman | 84 | Pruter |
| 21 | Daid | 85 | Reasoner |
| 22 | Dot | 86 | Red Itamaraca |
| 23 | Duncan | 87 | Rockdale Saigon |
| 24 | Edward | 88 | Rosigold M 13269 (S1) |
| 25 | Edward x Earle | 89 | Royal Special |
| 26 | Edward x Kent 14 | 90 | Ruby |
| 27 | Eldon | 91 | Saber |
| 28 | Ewais | 92 | Safeda Lucknow |
| 29 | Fascell | 93 | Saigon |
| 30 | Florigon | 94 | Saigon M4329 |
| 31 | Ford | 95 | Saigon M13269 |
| 32 | Four-way Bombay Red Seedling | 96 | Sandersha |
| 33 | Gadoeng | 97 | Sandersha Sdlg |
| 34 | Glazier | 98 | Scuppernong |
| 35 | Glenn | 99 | Sensation |
| 36 | Gola | 100 | Sensation (Akbar) |
| 37 | Golden Lippens | 101 | Sandersha |
| 38 | Gouveia | 102 | Smith |
| 39 | Graham | 103 | Sprinfels |
| 40 | Graham 9794 | 104 | Sophie Fry |
| 41 | Haden | 105 | Stringless Peach |
| 42 | Harris | 106 | Toledo |
| 43 | Herman | 107 | Tommy Atkins |
| 44 | Himsagar | 108 | Tong Dam |
| 45 | Hindi | 109 | Tong Dam 9897 |
| 46 | Hodson | 110 | Tuehau |
| 47 | Honc Cambodian | 111 | Turpentine |
| 48 | Irwin | 112 | Turpentine N 2-1-5-3 |
| 49 | Itamaraca | 113 | Valencia Pride |
| 50 | Joellen | 114 | Vallenato |
| 51 | Julie | 115 | Van Dyke |
| 52 | Kala Keht 9874 | 116 | Wally |
| 53 | Keitt | 117 | Webber |
| 54 | Kensington Pride | 118 | Zebda |

| | | | |
|----|----------------|-----|------|
| 55 | Kent | 119 | Zill |
| 56 | Kyo Savoy | 120 | 9816 |
| 57 | Langra Benarsi | | |
| 58 | Lathrop | | |
| 59 | Lippens | | |
| 60 | Lucille | | |
| 61 | Madame Francis | | |
| 62 | Mallika | | |
| 63 | Mamme | | |
| 64 | Manzano | | |

Mamey sapote (*Pouteria sapota*) Collection – Florida and tropical America. TREC has one of the most comprehensive collections of mamey sapote germplasm in the U.S. emphasizing historically important cultivars including those of commercial important in Florida.

| # | Cultivar |
|----|--------------------|
| 1 | AREC#3 |
| 2 | Casillo#1 |
| 3 | Chunox |
| 4 | Copan |
| 5 | Florida |
| 6 | Pantin (Key West) |
| 7 | Lara |
| 8 | Lorita |
| 9 | Magaña |
| 10 | Mayapan |
| 11 | Pace |
| 12 | Piloto |
| 13 | Tazumal |
| 14 | Viejo |
| 15 | #9998 |
| 16 | Seedling not named |

Sapodilla (*Manilkara zapota*) Collection – Florida, Tropical America, and Asia. TREC has an extensive collection of older and newer sapodilla cultivars now being grown in south Florida. Our collection emphasizes the diversity of sapodilla fruit shapes and quality from small to large fruit, round to top-shaped, light brown to reddish-brown pulp color, and from gritty to smooth textured pulp.

| # | Cultivar |
|----|--------------------|
| 1 | Alano |
| 2 | Brown Sugar |
| 3 | Fruit & Spice Park |
| 4 | Hasya |
| 5 | Makok |
| 6 | Mead |
| 7 | Modello |
| 8 | Molix |
| 9 | Morena |
| 10 | O-B |
| 11 | O-X |
| 12 | O-2 |
| 13 | O-3 |
| 14 | O-4 |
| 15 | Piña |
| 16 | Prolific |
| 17 | Seedless seedling |
| 18 | Simmonds |
| 19 | Tikal |
| 20 | Tom Thers |

Annona Collection – Tropical and Subtropical Clones. At present the TREC collection maintains a small collection of tropically adapted sugar apple clones (*Annona squamosa*), soursop (*A. muricata*), custard apple (*A. eticulate*), and subtropically adapted atemoya (*A. cherimola* x *A. squamosa*) and ilama (*A. diversifolia*) cultivars

| Sugar apple | # | Cultivar name |
|-------------|---|----------------|
| | 1 | Green seedling |
| | 2 | Kampong Mauve |
| | 3 | Lessard Thai |
| | 4 | Red |
| Atemoya | 1 | African Pride |
| | 2 | Bradley |
| | 3 | Cabri |
| | 4 | Gefner |
| | 5 | Page |

| | | |
|------------------|---|------------|
| Mountain soursop | 1 | Seedling |
| Custard apple | 1 | Seedling |
| Soursop | 1 | Seedling |
| Ilama | 1 | Genova Red |
| | 2 | Pajapita |
| | 3 | Guillermo |

Carambola (*Averrhoa carambola*) Collection – The Star Fruit. TREC has one of the most extensive carambola collections in the U.S. and has embarked on a carambola selection program. Our cultivars come from tropical and subtropical Asia, Hawaii, and Florida.

| # | Cultivar |
|----|---------------|
| 1 | B-2 |
| 2 | B-6 |
| 3 | B-8 |
| 4 | B-10 |
| 5 | B-17 |
| 6 | Bell |
| 7 | Cheng Chui |
| 8 | Erlin |
| 9 | Fwang Tung |
| 10 | Golden Star |
| 11 | Hart |
| 12 | Kajang |
| 13 | Kary |
| 14 | Lara |
| 15 | Leng Bael |
| 16 | Maher Dwarf |
| 17 | Miss |
| 18 | M18960 |
| 19 | Pasi |
| 20 | Sri Kembangan |
| 21 | Wai Wei |
| 22 | Wubentou |

Jackfruit (*Artocarpus heterophyllus*) Collection – Largest of Fruits. TREC maintains a small collection of this interesting fruit with a range of fruit sizes from 5 to 50 lbs per fruit.

| | |
|----|---------------|
| 1 | Black Gold |
| 2 | Chenna |
| 3 | Cochin |
| 4 | Dang Rasimi |
| 5 | Golden Nugget |
| 6 | Honey Gold |
| 7 | Lemon Gold |
| 8 | NS-1 |
| 9 | Tabouy |
| 10 | Varaka |

Lychee (*Litchi sinensis*) Collection – Subtropical. TREC maintains a small collection of this fruit which originated from south China and has been under cultivation for over 4,000 years. Lychee cultivars vary in ease of flowering, fruit color, and fruit size.

| | |
|----|-----------------|
| 1 | Amboina |
| 2 | Annie Wong |
| 3 | Early Large Red |
| 4 | Emperor |
| 5 | Garnett |
| 6 | Gee Kee |
| 7 | Groff |
| 8 | Hak Ip |
| 9 | Kwai Mai Pink |
| 10 | Kaimana |
| 11 | Peerless |
| 12 | Seedling |
| 13 | Yellow Red |
| 14 | Wai Chee |

Longan (*Dimocarpus longan*) Collection – Dragon’s Eye. TREC maintains a small collection of this fruit which is very popular throughout Asia. Longan cultivars vary in ease of flowering and flavor.

| | |
|---|----------------|
| 1 | No. 14 |
| 2 | No. 12 |
| 3 | No. 30 |
| 4 | Pon Yai |
| 5 | Kohala |
| 6 | Edau |
| 7 | Beau Kaew |
| 8 | Wong’s Special |
| 9 | Seymour |

| | |
|----|-------------------|
| 10 | Tigers eye |
| 11 | Big leaf (IFAS#3) |
| 12 | Seedling |

Wax jambu (*Syzygium samarangense*) Collection – Wax apple. TREC has started a small collection of this interesting fruit with a range of colors from deep magenta red to pink to white to green. Grown commercially in Asia this fruit is appreciated for its mild and aromatic flavor.

| | |
|---|-------------|
| 1 | Borneo Red |
| 2 | Kong White |
| 3 | Pink |
| 4 | Sinark |
| 5 | Taiwan Pink |
| 6 | Thai Green |
| 7 | Tyty |

Miscellaneous Fruits Collection. TREC maintains a few trees of various tropical fruits of scientific interest and potential utilization in the future.

| Common name | Scientific name | Cultivar |
|--------------|-----------------------------|--------------------|
| Akee | <i>Blighia sapida</i> | Seedling |
| Canistel | <i>Pouteria campechiana</i> | Trompo (9681) |
| Canistel | <i>Pouteria campechiana</i> | Oro (9680) |
| Green sapote | <i>Calocarpum viride</i> | Seedling |
| Macadamia | <i>Macadamia</i> spp. | Beaumont |
| Macadamia | <i>Macadamia</i> spp. | Elimbah |
| Spanish lime | <i>Melicoccus bijugatus</i> | Montgomery (Large) |
| Spanish lime | <i>Melicoccus bijugatus</i> | Late |
| Spanish lime | <i>Melicoccus bijugatus</i> | Key West |
| Spanish lime | <i>Melicoccus bijugatus</i> | Newcomb |
| Velvet apple | <i>Dispiros discolor</i> | Seedling |
| Wampi | <i>Clausena lansium</i> | Seedling |
| White sapote | <i>Casimiroa edulis</i> | McDill |
| White sapote | <i>Casimiroa edulis</i> | Suebelle |
| White sapote | <i>Casimiroa edulis</i> | Densler |
| White sapote | <i>Casimiroa edulis</i> | Seedling |