Supplementary table 2

List of plant species sampled in Madagascar. Plants are ordered alphabetically by family and scientific name. Plant species previously recognized as potential hosts of Tephritidae in the world (Liquido et *al*., 1994; Allwood et *al*., 1999; Thomas et *al*., 2004; Copeland et *al*., 2006; Copeland et *al*., 2009; Mziray et *al*., 2010; Goergen et *al*., 2011; Raga et *al*. 2011; Leblanc et *al*., 2013; Badii et *al*., 2015; Isabirye et *al*., 2016; Stalažs & Balalaikins, 2017; Franck & Delatte, 2020) are indicated with asterix. C: cultivated, W: wild, E: exotic, I: indigenous, Un: unknown.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Plant Family** | **Plant species (scientific name)** | **Plant species (common name)** | **Habitat** | **Origin** | **Sampling month** | **Sampling site** | **No. of fruit** | **Total weight (Kg)** | **No. of sample for %F+ test** |
| Agavaceae | *Agave sisalana* | Sisal | W | E | Jan., Fev., Apr. | C28, D40, F02 | 46 | 0.57 |  |
| Anacardiaceae | *Anacardium occidentale \** | Cashew nut | C | E | Jan., June, Dec. | B17, E25 | 38 | 1.05 |  |
| Anacardiaceae | *Mangifera indica \** | Mango | C | E | Jan., Feb., Apr., Nov., Dec | A02, A03, A05, A07, B01, B14, B25, C44, D31, D32, D34, F12 | 468 | 99.06 | 468 |
| [Anacardiaceae](https://en.wikipedia.org/wiki/Meliaceae) | *Micronychia macrophylla* |  | W | I | Nov. | D20 | 403 | 0.45 |  |
| Anacardiaceae | *Sclerocarya birrea \** | Marula | W | I | Feb., Apr. | A02, A03, A08, F02, F05, F06 | 214 | 6.19 | 66 |
| Anacardiaceae | *Spondias dulcis \** | Jew plum | C | E | Feb., Apr., June, July, Nov. | A02, A07, B04, B17, B18, B22, D10, D34, E11, E21, F13, F15 | 205 | 12.70 | 195 |
| Annonaceae | *Annona muricata \** | Soursop | C | E | Feb., May, July | A07, E15, E35 | 8 | 4.95 |  |
| Annonaceae | *Annona reticulata \** | Bullock’s heart | C | E | Mar., Nov. | C50, D34 | 16 | 1.63 |  |
| Annonaceae | *Annona senegaliensis \** | Wild custard - apple | C | E | Jan. | E29 | 15 | 7.66 | 15 |
| Annonaceae | *Annona squamosa \** | Sugar - apple | C | E | Feb., Apr., June, July | A07, B03, E11, F13 | 19 | 5.10 | 19 |
| Annonaceae | *Xylopia sp* |  | W | I | Apr. | F01 | 200 | 0.11 | 0 |
| Annonaceae | *Xylopia sp1* |  | W | I | Dec. | B01 | 15 | 0.05 |  |
| Aphloiaceae | *Aphloia theiformis \** | Moutain peach | W | I | Jan., Nov., Dec. | D20, D25, E01, E06 | 760 | 0.18 |  |
| Apocynaceae | *Marsdenia cardifolia* |  | W | I | Apr. | F05 | 17 | 2.81 |  |
| Apocynaceae | *Pervillaea venenata* |  | W | I | Apr. | F12 | 15 | 0.68 |  |
| Apocynaceae | *Thevetia peruviana \** | Yellow oleander | W | E | Apr. | F13 | 120 | 0.20 |  |
| Aquifoliaceae | *Ilex sp* |  | W | Un | Jan. | D25 | 41 | 0.01 |  |
| Arecaceae | *Bismarckia nobilis* | Bismarck palm | C | I | June, Dec. | B19, B24 | 39 | 0.99 |  |
| Arecaceae | *Dypsis lutescens* | Yellow butterfly palm | C | I | Dec. | B16 | 15 | 0.02 |  |
| Arecaceae | *Dypsis sp* |  | W | Un | Jan. | D25 | 36 | 0.01 |  |
| Arecaceae | *Hyphaene coriacea* | Lala palm | W | I | June | B12 | 13 | 0.27 |  |
| Arecaceae | *Phoenix dactylifera \** | Date palm | W | I | Apr. | F14 | 24 | 0.19 |  |
| Arecaceae | *Raphia ruffia* | Raffia palm | W | I | Apr. | F05 | 3 | 0.04 |  |
| Asparagaceae | *Dracaena madagascariensis* | | W | I | Mars | C02 | 100 | 0,03 |  |
| Asparagaceae | *Dracaena marginata* |  | C | I | Nov. | D21, D24 | 213 | 0.08 |  |
| Asparagaceae | *Dracaena reflexa* | Dragon tree | C | I | Janv., Feb., Mar., May, Nov. | C09, C28, C32, D25, D39, E28 | 413 | 0.33 | 0 |
| Asphodelaceae | *Aloe divaricata* |  | W | I | Apr. | F04 | 43 | 0.07 |  |
| Bignoniaceae | *Stereospermum euphoroides* |  | W | I | Apr. | F01 | 14 | 0.11 |  |
| Bombacaceae | *Adansonia madagasariensis* | Baobab | W | I | Apr. | F14 | 8 | 0.18 |  |
| Bombacaceae | *Pachira aquatica* | Money tree | C | E | Mar. | C16 | 5 | 0.72 |  |
| Boraginaceae | *Cordia Mairei* |  | W | I | Apr. | F02 | 16 | 0.29 |  |
| Boraginaceae | *Cordia rothii* |  | W | E | Apr. | F06, F14 | 136 | 0.12 |  |
| Brassicaceae | *Thilachium sp* |  | W | I | Dec. | B16 | 15 | 0.03 |  |
| Bromeliaceae | *Ananas comosus \** | Pineapple | C | E | June | C31 | 9 | 2.93 |  |
| Burseraceae | *Commiphora apprevali* |  | W | I | Apr. | F05, F07, F09 | 121 | 0.31 |  |
| Burseraceae | *Commiphora sp* |  | W | I | Apr. | F05 | 76 | 0.05 |  |
| Cactaceae | *Austrocylindropuntia subulata* | Eve's pin | C | E | Mar. | C28 | 16 | 1.91 |  |
| Cactaceae | *Cereus peruvianus \** | Blue columns | W | E | Apr. | F03, F07 | 31 | 4.14 |  |
| Cactaceae | *Opuntia ficus - indica \** | Indian fig | W | E | Jan., Mar., Apr., Nov. | C02, C08, D12, D43, F02, F04, F06, F08, F10, F12 | 138 | 5.82 |  |
| Cactaceae | *Opuntia sp* |  | W | E | Apr. | F11 | 8 | 0.23 |  |
| Cardiopteridaceae | *Leptaulus sp* |  | W | I | Dec. | B01 | 15 | 0.03 |  |
| Caricaceae | *Carica papaya \** | Papaya | C | E | Apr., June, Dec. | B02, B08, B09, C38, D03, F03 | 26 | 13.71 |  |
| Celastraceae | *Maytenus sp* |  | W | Un | Apr. | F06 | 13 | 0.01 |  |
| Celastraceae | *Mystroxylon aethiopicum* |  | W | I | Apr. | F01 | 13 | 0.01 |  |
| Combretaceae | *Terminalia catappa \** | Tropical almond | C | E | Jan., Feb., Apr., June, Dec. | A05, B24, D39, D40, E18, E22, E34, F02, F13 | 178 | 3.88 | 143 |
| Connaraceae | *Agelaea madagascarienis* |  | W | I | Nov. | D35 | 167 | 0.14 |  |
| Connaraceae | *Agelaea pana* |  | W | I | Jan. | D25 | 23 | 0.02 |  |
| Convolvulaceae | *Ipomoea sp* |  | W | E | Mar | C25, C50 | 36 | 0.04 |  |
| Cucurbitaceae | *Citrullus colochynthis \** | Bitter apple | W | E | Apr. | F03, F04, F08, F11 | 57 | 5.79 | 57 |
| Cucurbitaceae | *Citrullus lanatus \** | Water melon | C | E | Apr. | F10, F11, F12 | 27 | 17.19 | 27 |
| Cucurbitaceae | *Citrullus sp* |  | C | Un | Mar., Apr., June | B10, C18, F02, F03 | 24 | 2.36 | 24 |
| Cucurbitaceae | *Cucumis sativus \** | Cucumber | C | E | Jan., Feb., Mar., Apr., June, July, Nov., Dec. | A04, A05, A07, B12, B15, C04, C05, C06, C20, C26, C30, C34, C55, C56, D02, D16, D18, E08, E09, E15, E24, E33 | 191 | 25.35 | 163 |
| Cucurbitaceae | *Cucumis sp* |  | W | E | July | E07 | 9 | 0.70 | 9 |
| Cucurbitaceae | *Cucumis sp1 \** | Muskmelon | C | E | Feb., Apr., Dec. | A03, C34, F04, F12 | 30 | 4.68 | 30 |
| Cucurbitaceae | *Cucurbita maxima \** | Pumpkin | C | E | Jan., Feb., Mar., Apr., May, June, July, Sep., Nov., Dec. | A04, A07, B12, C03, C07, C18, C23, C26, C34, C49, D09, D43, E15, E33, E37, F03, F05, F06, F08, F11, F12 | 164 | 34.87 | 150 |
| Cucurbitaceae | *Cucurbita pepo \** | Squash | C | E | Jan., Feb., Mar., May, June, July, Sept, Nov., Dec. | A05, B12, B15, B17, C04, C05, C13, C17, C20, C26, C34, C53, C55, C56, D03, D04, D05, D06, D07, D18, D41, D46, E36 | 183 | 15.90 | 178 |
| Cucurbitaceae | *Lagenaria leucaritha \** | Bottle - gourd | W | E | Feb., Apr. | A04, F07 | 15 | 7.44 |  |
| Cucurbitaceae | *Luffa cylindrica \** | Sponge gourd | C, W | E | Feb., Apr., June | A04, A05, A07, E20, F03, F08 | 48 | 6.85 | 48 |
| Cucurbitaceae | *Momordica charantia \** | Bitter gourd | C | E | Jan., Apr., June | B05, B12, E19, E20, E33, F13 | 60 | 0.59 | 58 |
| Cucurbitaceae | *Peponium hirtellum* |  | W | I | Apr. | F11 | 18 | 0.39 |  |
| Cucurbitaceae | *Peponium sp* |  | W | Un | Apr. | F05 | 6 | 0.04 |  |
| Cucurbitaceae | *Sechium edule \** | Chayote | C | E | Jan., Feb., Mar., Apr., July, Nov., Dec. | A05, A06, C02, C03, C06, C09, C13, C18, C23, C26, C37, C42, C47, C52, C54, C56, D04, D11, D12, D13, D21, D28, D36, E02, E05, E07 | 245 | 34.09 | 241 |
| Cucurbitaceae | *Trichosanthes cucumerina \** | Snakegourd | C, W | E | Apr., June, July | B01, E15, F03 | 40 | 2.96 | 19 |
| Ebenaceae | *Diospyros kaki \** | Japanese persimmon | C | E | Jan., Mars, Apr., June | C03, C07, C16, C19, C26, C28, C30, C37, C42, C50, C55, C56, D12 | 176 | 10.49 | 176 |
| Ericaceae | *Vaccinium emirnense* |  | W | I | Feb., Mar. | C02, C11 | 250 | 0.04 |  |
| Euphorbiaceae | *Jatropha curcas\** | Jatropha | C | E | Feb., Mar., Apr. | A03, A07, C09, C23, F02, F05 | 139 | 1.71 |  |
| Euphorbiaceae | *Macaranga cuspidata* |  | W | I | Nov. | D21 | 189 | 0.11 |  |
| Euphorbiaceae | *Manihot esculenta \** | Manihot | C | E | Mar., Apr., May, July | C07, C20, C26, C28, C47, E37, F02 | 268 | 0.71 |  |
| Euphorbiaceae | *Ricinus communis* | Castor | W | E | Mar., Apr., June | B05, C01, C26, C37, F03, F14 | 306 | 0.83 |  |
| Euphorbiaceae | *Ricinus sp* |  | W | Un | Feb. | A08 | 74 | 0.09 |  |
| Fabaceae | *Acacia sp* | Acacia | W | E | Apr. | F02 | 8 | 0.10 |  |
| Fabaceae | *Tamarindus indica \** | Tamarind | C | E | Feb., Apr., Dec. | A05, B24, C34, F02, F05, F06, F13 | 107 | 1.12 |  |
| Glusiaceae | *Garcinia mangostana \** | Mangosteen | C | E | Jan., May | E27, E29 | 19 | 1.79 |  |
| Lauraceae | *Persea americana \** | Avocado | C | E | Jan., Feb., Mar., Apr., May, Aug. | A05, C27, C30, C37, C39, C56, D32, E27 | 53 | 13.70 | 53 |
| Loganiaceae | *Strychnos spinosa \** | Monkey orange | C | I | Feb. | A07, A08 | 13 | 3.87 | 13 |
| Lythraceae | *Punica granatum \** | Pomegranate | C | E | Jan., Feb., Apr. | C09, D08, D24, F03, F14 | 54 | 7.09 |  |
| Malvaceae | *Byttneria biloba* |  | W | I | Apr. | F01 | 20 | 0.07 |  |
| Malvaceae | *Byttneria voulily* |  | W | I | Apr. | F05 | 8 | 0.06 |  |
| Malvaceae | *Gossypium herbaceum* | Cotton | C | E | Apr. | F06 | 18 | 0.29 |  |
| Malvaceae | *Theobroma cacao \** | Cocoa | C | E | July | E13 | 7 | 0.69 |  |
| Melastomataceae | *Clidemia hirta* | Soapbush | W | E | May, June | E26, E28 | 101 | 0.03 |  |
| Melastomataceae | *Tristemma virusanum* |  | W | I | Mar. | C02, C25, C50 | 188 | 0.07 |  |
| Meliaceae | *Azadirachta indica* |  | W | E | Apr., Dec. | B17, F05, F15 | 165 | 0.28 |  |
| Meliaceae | *Melia azedarach* | Chinaberry | W | E | Jan., Mar., Apr., Dec. | B17, C01, D39, F02, F06, F07 | 569 | 0.59 |  |
| Meliaceae | *Non identified* |  | W | I | Dec. | B01 | 15 | 0.05 | 15 |
| Monimiaceae | *Tambourissa religiosa* |  | W | I | Nov. | D20 | 11 | 1.03 |  |
| Moraceae | *Artocarpus altilis \** | Breadfruit | C | E | Jan., May | D32, E37 | 29 | 9.42 |  |
| Moraceae | *Artocarpus heterophyllus \** | Jackfruit | C | E | Jan., Nov. | D24 | 16 | 34.87 |  |
| Moraceae | *Ficus polita \** | Heart-leaved fig | C | I | Jan., Mar. | C23, E34 | 61 | 1.41 | 15 |
| Moraceae | *Ficus pyrifolia* |  | C | I | Apr., Nov. | D20, F02, F04 | 338 | 0.11 |  |
| Moraceae | *Ficus sakalavarum* |  | W | I | Feb., June | A01, B06, B07, B08 | 214 | 1.36 |  |
| Moraceae | *Ficus sp* |  | W | Un | Dec. | B19 | 15 | 0.03 |  |
| Moraceae | *Ficus sp1* |  | W | Un | Nov. | D23 | 58 | 0.04 |  |
| Moraceae | *Ficus sp2* |  | W | Un | Apr. | F01 | 200 | 0.20 |  |
| Moraceae | *Ficus sp3* |  | W | Un | Nov. | D23 | 102 | 0.09 |  |
| Moraceae | *Ficus sp4* |  | C, W | Un | Apr. | F03, F04 | 31 | 2.07 |  |
| Moraceae | *Ficus tiliifolia* |  | W | I | Apr., June | C19, F02 | 32 | 0.62 |  |
| Moraceae | *Morus alba \** | White mulberry | C | E | Feb. | A07 | 130 | 0.06 |  |
| Musaceae | *Musa sp \** | Banana | C | E | Apr. | F02 | 17 | 0.87 |  |
| Myrtaceae | *Eucalyptus sp* | Eucalyptus | W | E | Feb., Mar., Apr. | C02, C10, C28, C50, F04 | 837 | 0.23 |  |
| Myrtaceae | *Eugenia brasiliensis \** | Brasilian cherry | C | E | Jan., Nov. | D12, D42 | 50 | 0.16 |  |
| Myrtaceae | *Psidium cattleyanum \** | Strawberry guava | C | E | Jan., Mar., Apr., May | C01, C06, C14, C28, C30, D08, D10, D25, D35, E31, E35, E37 | 683 | 4.61 | 75 |
| Myrtaceae | *Psidium friedrichsthalianum \** | Coronilla | C | E | Jan. | E29 | 15 | 1.22 | 15 |
| Myrtaceae | *Psidium guajava \** | Common guava | C | E | Jan., Mar., Apr., May, June, July, Dec. | B23, C02, C06, C15, C18, C19, C20, C23, C26, C28, C30, C34, C37, C41, C47, D10, D32, E08, E31, E35, F02, F03, F06 | 676 | 28.47 | 486 |
| Myrtaceae | *Syzygium cumini\** | Jambolan | C | E | Jan., Mar., Dec. | B17, C15, C21, C26, C28, D12, C14, D30 | 577 | 2.26 |  |
| Myrtaceae | *Syzygium jambos \** | Rose-apple | C | E | Mar., May, Nov., Dec. | C14, C33, C40, D27, D38, D44, E01, E28 | 150 | 2.83 | 87 |
| Myrtaceae | *Syzygium malaccense \** | Malay apple | C | E | Jan., Feb., Nov. | A05, D24, D33, E32 | 57 | 2.39 | 57 |
| Myrtaceae | *Syzygium samarangense \** | Water apple | C | E | Jan. | E16 | 15 | 0.07 |  |
| Oleaceae | *Ligustrum lucidum* | Broad-leaf privet | C | E | May | C23 | 400 | 0.06 |  |
| Oleaceae | *Noronhia emarginata* |  | W | I | Nov. | D23 | 14 | 0.04 |  |
| Oleaceae | *Olea europea\** | Olive | C | E | July | E13 | 28 | 0.22 |  |
| Oxalidaceae | *Averrhoa bilimbi \** | Pickle fruit | C | E | June | B04 | 18 | 0.23 |  |
| Oxalidaceae | *Averrhoa carambola \** | Star fruit | C | E | Jan., June, July | B17, E12, E13, E17, E26, E28, E29, E31 | 134 | 7.91 | 134 |
| Passifloraceae | *Passiflora edulis Giant \** | Giant granadilla | C | E | Jan., Feb., May, June | A06, E23, E24, E27, E37 | 78 | 5.29 |  |
| Passifloraceae | *Passiflora edulis\** | Granadilla | C | E | Jan., Mar., Nov. | C02, C56, D12, D38 | 24 | 0.68 |  |
| Passifloraceae | *Passiflora foetida \** | Wild waterlemon | W | E | Jan. | D32 | 26 | 0.04 |  |
| Passifloraceae | *Passiflora sp* |  | W | Un | Nov. | D23 | 10 | 0.22 |  |
| Passifloraceae | *Passiflora subpeltata* | White passionflower | W | E | Jan., Mar., Nov., Dec. | C01, C07, C14, C26, C28, C32, C52, D04, D05, D21 | 116 | 2.05 |  |
| Phyllanthaceae | *Bridelia pervilleana* |  | W | I | Apr. | F01 | 140 | 0.02 |  |
| Phyllanthaceae | *Phyllanthus acidus\** | Star gooseberry | W | E | Apr. | F15 | 106 | 0.10 |  |
| Phyllanthaceae | *Uapaca bojeri* | Tapia | W | I | June, Dec. | C30, C31, D01 | 1111 | 5.78 |  |
| Phytoaccaceae | *Phytolacca dodecandra* |  | W | I | Feb., Mar. | C07, C12, C26, C50 | 678 | 0.12 |  |
| Pittosporaceae | *Pittosporum sp* |  | W | Un | Jan. | D25 | 45 | 0.03 |  |
| Podocarpacae | *Podocarpus gaussenii \** | Bastard yellowwood | C | I | Nov. | C22 | 352 | 1.41 | 0 |
| Primulaceae | *Ardisia crenata* | Christmas berry | C | E | Nov. | D29 | 89 | 0.03 |  |
| Rhamnaceae | *Ziziphus jujuba \** | Common jujube | W | E | Apr., June, July | B01, B05, B11, B13, B21, E20, E38, F03, F04, F10 | 837 | 2.46 |  |
| Rhamnaceae | *Ziziphus mauritiana \** | Indian jujube | W | E | Mar., Apr. | C37, F02 | 140 | 0.56 |  |
| Rosaceae | *Cotoneaster franchetii* | Orange cotoneaster | W | E | Feb., Mar. | C09, C18, C23, C25, C28 | 1150 | 0.15 |  |
| Rosaceae | *Eriobotrya japonica \** | Loquat | C | E | Mar., Apr., May, June, July, Sep. | C16, C19, C23, C26, C27, C28, C30, C32, C34, C37, C39, C41, C42, C43, C45, C47, C48, C51, D10, E02, E05, E06 | 1131 | 11.21 | 388 |
| Rosaceae | *Mallus domestica \** | Apple | C | E | Jan., Dec. | C53, D02, D12 | 59 | 2.84 | 59 |
| Rosaceae | *Prunus armeniaca \** | Apricot | C | E | Dec. | C09 | 7 | 0.29 |  |
| Rosaceae | *Prunus cerasus \** | Cherry | C | E | Dec. | E01 | 334 | 1.17 |  |
| Rosaceae | *Prunus domestica \** | Plum | C | E | Jan., Dec. | C09, C51, C56, D04, D08 | 107 | 2.20 | 107 |
| Rosaceae | *Prunus persica \** | Peach | C | E | Jan., Nov., Dec. | C03, C04, C13, C18, C23, C35, C51, C53, C55, C56, C57, D05, D12 | 228 | 8.41 | 170 |
| Rosaceae | *Pyrus communis \** | Pear | C | E | Jan. | C55, C56 | 27 | 3.34 | 27 |
| Rosaceae | *Rosa sp* | Rose | C | E | Mar., Nov. | C06, C24, D21 | 62 | 0.17 |  |
| Rosaceae | *Rubus myrianthus \** | Blackberry | W | I | Mar., June, Nov., Dec. | C02, C50, D04, D23, E26, E28 | 682 | 0.42 | 0 |
| Rosaceae | *Rubus rosifolius* | Thimbleberry | W | E | Mar. | C08, C50 | 61 | 0.07 |  |
| Rubiaceae | *Coffea sp \** | Coffea | C | E | Jan., Mars, Apr., July, Nov. | C06, C14, C25, C37, C39, C43, C45, C47, D21, D25, D29, E02 | 954 | 1.08 | 0 |
| Rubiaceae | *Danais sp* |  | W | Un | Apr. | C52 | 70 | 0.02 |  |
| Rubiaceae | *Gaertnera macrostipula* |  | W | I | Jan. | D25 | 45 | 0.03 |  |
| Rubiaceae | *Morinda citrifolia \** | Noni | C | E | June, July | B20, E13, E14, E38 | 34 | 2.67 |  |
| Rubiaceae | *Paedeiria grevei* |  | W | I | Apr. | F04 | 150 | 0.01 |  |
| Rubiaceae | *Pauridiantha sp* |  | W | I | Jan. | D25 | 236 | 0.04 |  |
| Rubiaceae | *Schismatoclada sp* |  | W | I | Feb. | C10 | 50 | 0.01 |  |
| Rubiaceae | *Tarrena sp* |  | W | Un | Apr. | F01 | 97 | 0.02 |  |
| Rubiaceae | *Vangueria edulis* |  | W | I | Apr. | F03 | 24 | 0.58 |  |
| Rutaceae | *Citrus limon \** | Lemon | C, W | E | Jan., Feb., Apr., June, Dec. | A02, A07, B01, B02, D16, F02, F03, F04, F05, F13 | 158 | 6.82 |  |
| Rutaceae | *Citrus paradisi \** | Grapefruit | C | E | May, Nov. | D46, D36, E37 | 13 | 7.93 | 13 |
| Rutaceae | *Citrus reticulata \** | Mandarin | C | E | Jan., May, June | C27, C34, D12, E25, E28, E35, E37 | 118 | 6.95 | 118 |
| Rutaceae | *Citrus sinensis \** | Orange | C, W | E | Jan., Feb., Mar., Apr., May, June, July | A02, A04, B02, B04, B18, B25, C15, C26, C28, C34, C37, D12, D26, E08, E09, E10, E11, E13, E14, E24, E30, E35, E36, F13 | 327 | 30.29 | 327 |
| Rutaceae | *Melicope madagascariensis* |  | W | I | Mar. | C50 | 400 | 0.04 |  |
| Rutaceae | *Todalia asiatica* |  | W | E | Jan. | D25 | 97 | 0.05 |  |
| Salicaceae | *Flacourtia ramontchi* |  | W | I | Feb., Apr. | A05, A08, F02, F05 | 224 | 0.64 |  |
| Salicaceae | *Homalium sp* |  | W | Un | Apr. | F01 | 23 | 0.01 |  |
| Sapindaceae | *Allophylus cobbe* | Titberry | W | E | Apr. | F01 | 100 | 0.02 |  |
| Sapindaceae | *Dimocarpus longan \** | Longan | C | E | Jan., Feb., Mar. | C20, E19 | 63 | 0.39 |  |
| Sapindaceae | *Litchi chinensis \** | Lychee | C | E | Jan., Nov., Dec. | C18, C36, D03, D12, D26, D29, D34, E04 | 309 | 3.98 | 24 |
| Sapindaceae | *Nephelium lappaceum \** | Rambutan | C | E | May | E27 | 8 | 0.21 |  |
| Sapindaceae | *Tina sp1* |  | W | I | Nov. | D23 | 65 | 0.12 |  |
| Sapotaceae | *Manilkara zapota \** | Sapodilla | C | E | Jan. | D26 | 6 | 0.65 |  |
| Sapotaceae | *Mimusops coriacea \** |  | C | I | July, Nov. | D37, E38 | 28 | 1.04 | 28 |
| Smilacaceae | *Smilax kraussiana* |  | W | I | Mar. | C02 | 200 | 0.05 |  |
| Solanaceae | *Capsicum annum \** | Bell pepper | C | E | Feb., June, Sep., Nov., Dec. | A05, B09, B10, B12, C20, C26, D03, D18 | 149 | 1.19 | 123 |
| Solanaceae | *Capsicum bacatuum \** |  | C | E | Feb., Mars | A04, C06, C08 | 24 | 0.21 | 12 |
| Solanaceae | *Capsicum chinense \** | Habanero-type pepper | C | E | Jan., Fev., Mar., Apr., June | A04, C06, C28, D12, D26, E24 | 99 | 0.38 | 93 |
| Solanaceae | *Capsicum frutescens\** | Pepper pili | C | E | Jan., Feb., Mar., Apr., May, June, Nov. | A04, B12, C16, C20, C25, C28, C37, C56, D21, E27, F05 | 694 | 0.29 | 0 |
| Solanaceae | *Capsicum sp \** | Pepper | C | E | Jan., Feb., Mar., Apr., July | A04, A05, C02, C06, C20, C47, C50, D09, F02, F03, F15 | 370 | 0.95 | 73 |
| Solanaceae | *Datura sp* |  | W | Un | Apr. | F02 | 21 | 0.40 |  |
| Solanaceae | *Datura stramonium* | Jimson weed | W | E | Mar. | C28 | 15 | 0.15 |  |
| Solanaceae | *Lycopersicum esculentum \** | Tomato | C | E | Jan., Feb., Mar., Apr., June, July, Sept., Nov., Dec | A04, A05, A07, B09, B10, B17, C04, C05, C11, C15, C18, C20, C23, C26, C29, C32, C34, C37, C42, C46, C47, C52, C58, D02, D03, D04, D05, D12, D14, D17, D18, D19, D41, D43, D46, E33, F08 | 592 | 10.59 | 509 |
| Solanaceae | *Lycopersicum esculentum cerasiforme\** |  | C | E | Jan., Mar., July, Sept, Nov. | C01, C03, C06, C13, C18, C29, C45, C51, D21, D24, D28, D45 | 257 | 1.39 | 93 |
| Solanaceae | *Physalis peruviana \** | Goldenberry | W | E | Jan., Mar., May | C03, C07, C56, D05, D12, E37 | 49 | 0.06 |  |
| Solanaceae | *Solanum betaceum \** | Tree tomato | C | E | Jan., Feb., Mar., Sep. | C01, C02, C03, C04, C06, C09, C13, C18, C51 | 93 | 3.31 | 87 |
| Solanaceae | *Solanum erythracanthum* |  | W | I | Feb. | C10 | 70 | 0.02 |  |
| Solanaceae | *Solanum indicum \** | African eggplant | C | E | Jan., Feb., Mar., Apr., June, July, Sept., Nov., Dec | A04, A05, C03, C04, C14, C39, C47, C49, C51, C59, D03, D04, D15, D16, D18, D21, D25, D26, D46, D47, E04, E05, E06, E15, E21, E24 | 497 | 3.29 | 147 |
| Solanaceae | *Solanum macranthum \** | Potato tree | C | E | Jan., Apr., Sept. | C34, C51, E30 | 29 | 1.77 | 0 |
| Solanaceae | *Solanum mammosum \** | Nipplefruit | C | E | June | C34 | 5 | 0.08 |  |
| Solanaceae | *Solanum mauritianum \** | Bugweed | W | E | Jan., Feb., Mar., July, Sept., Nov., Dec. | C01, C03, C07, C09, C11, C14, C23, C26, C32, C33, C50, D06, D12, D21, D22, D37, E03, E06, E16 | 1354 | 1.72 | 0 |
| Solanaceae | *Solanum melongena \** | Egg plant | C | E | Jan., Feb., Apr., June, July, Nov., Dec. | A03, A04, A05, B05, B08, B09, B12, D46, E15, F02, F13 | 162 | 9.11 | 162 |
| Solanaceae | *Solanum muricatum \** | Melon pear | C | E | Mar., Sept., Dec. | C07, C51, D04 | 31 | 2.00 | 31 |
| Solanaceae | *Solanum nigrum \** | Black nightshade | C, W | E | Jan., Feb., Mar., Apr., June, July, Sept., Nov. | B05, B12, C04, C05, C06, C07, C08, C11, C13, C14, C18, C20, C25, C26, C28, C29, C32, C34, C37, C47, C49, C55, C56, D46, E15, F05 | 3401 | 1.46 | 0 |
| Solanaceae | *Solanum pseudocapsicum \** | Jerusalem cherry | C | E | Mar., Nov., Dec. | C21, C37, D03, D13 | 63 | 0.12 | 0 |
| Solanaceae | *Solanum seaforthianum \** | Brazilian nightshade | C | E | Mar., June | C23,C32 | 216 | 0.14 | 0 |
| Solanaceae | *Solanum sp* |  | W | Un | Jan. | D22, D40 | 75 | 0.11 |  |
| Solanaceae | *Solanum torvum \** |  | W | E | Mar., Sept., Nov. | C22, C28, C51 | 202 | 0.20 | 0 |
| Solanaceae | *Solanum tuberosum \** | Potato | C | E | Jan. | C04 | 13 | 0.01 | 0 |
| Sphaerosepalaceae | *Rhopalocarpus lucidus* |  | W | I | Apr | F05 | 22 | 0.18 |  |
| Tiliaceae | *Grewia apetala* |  | W | I | Mar. | C37 | 50 | 0.02 |  |
| Tiliaceae | *Grewia sp* |  | W | Un | Apr. | F04, F06 | 312 | 0.04 |  |
| Tiliaceae | *Grewia sp1* |  | W | Un | Apr. | F02 | 2 | 0.03 |  |
| Tiliaceae | *Grewia sp2* |  | W | Un | Apr. | F01 | 39 | 0.09 |  |
| Tiliaceae | *Grewia sp3* |  | W | Un | Mar. | C18 | 26 | 0.04 |  |
| Verbenaceae | *Durenta repens* | Golden dewberry | W | E | Feb., Mar., July, Sep., Nov. | C01, C06, C09, C14, C15, C26, C28, C32, C52, D11, E06 | 1860 | 0.53 |  |
| Verbenaceae | *Lantana camara* | Wild - sage | W | E | Mar., Apr., June, Nov., Dec. | C02, C07, C32, C34, C50, D04, D17, F03 | 1562 | 0.10 |  |
| Vitaceae | *Cissus sp* |  | W | I | Mar. | C02 | 200 | 0.02 |  |
| Vitaceae | *Cissus sp1* |  | W | I | Mar. | C02 | 37 | 0.01 |  |
| Vitaceae | *Vitis vinifera \** | Grapes | C | E | Jan., Apr., Dec | C56, D08, D12, D16, E06, F12 | 640 | 0.66 |  |

Reference list of supplemetary table S2

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