

**Table S1** Alien plant species, those with uncertain origin, and extra-limital or range expansion species, recorded as invasive in five countries in eastern Africa, with the dates (where available) that the species were first recorded as present in Kenya, Rwanda, Tanzania or Uganda (date of first introduction to Ethiopia excluded)

| Species   | Growth form             | Cultivated use                               | Origin                                       | First record – East Africa |
|---|-------------------------|--|--|----------------------------|
| <i>Brillantaisia lamium</i> (Nees) Benth. (Acanthaceae)                   | Herb                    | Ornament                                     | Tropical Africa (Central and West)           | 1932                       |
| <i>Thunbergia grandiflora</i> Roxb. (Acanthaceae)                         | Climber                 | Ornament                                     | Tropical Asia                                | 1930                       |
| <i>Sambucus nigra</i> L. ssp. <i>canadensis</i> (L.) R. Bolli (Adoxaceae) | Tree or shrub           | Ornament, medicinal                          | Tropical America and Temperate North America | ?1961                      |
| <i>Agave americana</i> L. (Agavaceae)                                     | Succulent tree or shrub | Agricultural crop (fibre), barrier, ornament | Tropical America                             | 1907                       |
| <i>Agave angustifolia</i> Haw. (Agavaceae)                                | Succulent tree or shrub | Agricultural crop (fibre), barrier, ornament | Tropical America                             | 1908                       |
| <i>Agave sisalana</i> Perrine (Agavaceae)                                 | Succulent tree or shrub | Agricultural crop (fibre), barrier, ornament | Tropical America                             | 1892                       |
| <i>Furcraea foetida</i> (L.) Haw. (Agavaceae)                             | Succulent tree or shrub | Agricultural crop (fibre), barrier, ornament | Tropical America                             | 1907                       |
| <i>Allium neapolitanum</i> Cirillo (Alliaceae)                            | Herb                    | Ornament                                     | Tropical America                             | 1948                       |
| <i>Foeniculum vulgare</i> Mill. (Apiaceae)                                | Herb                    | Agricultural crop (herb)                     | North Temperate Mediterranean                | 1914                       |

|  |               |   |  |                           |
|--|---------------|---|--|---------------------------|
| <i>Hydrocotyle ranunculoides</i> L.f.<br>(Apiaceae)          | Aquatic       | Ornament  | Tropical America                         | 1963                      |
| <i>Calotropis gigantea</i> (L.) Dryand. (Apocynaceae)        | Tree or shrub | Barrier, medicinal, ornament                        | Tropical and Temperate Asia              | 1897                      |
| <i>Calotropis procera</i> (Aiton) Dryand. (Apocynaceae)      | Tree or shrub | Barrier, medicinal, ornament                        | ?Tropical Africa                         | ?Native                   |
| <i>Cascabela thevetia</i> (L.) Lippold (Apocynaceae)         | Tree or shrub | Barrier, medicinal, ornament                        | Tropical America                         | 1904                      |
| <i>Catharanthus roseus</i> (L.) G. Don (Apocynaceae)         | Herb          | Medicinal, ornament                                 | Tropical Madagascar                      | 1931                      |
| <i>Cryptostegia grandiflora</i> Roxb. ex R. Br (Apocynaceae) | Tree or shrub | Ornament  | Tropical Madagascar                      | Only recorded in Ethiopia |
| <i>Landolphia owariensis</i> P.Beauv. (Apocynaceae)          | Climber       | Agricultural crop (food, rubber), medicinal         | Tropical Africa                          | 1904                      |
| <i>Vinca major</i> L. (Apocynaceae)                          | Climber       | Ornament  | Mediterranean and North Temperate Africa | 1950                      |
| <i>Pistia stratiotes</i> L. (Araceae)                        | Aquatic       | Ornament  | ?Tropical America                        | ?1895                     |
| <i>Areca catechu</i> L. (Arecaceae)                          | Palm          | Agricultural crop (dye, narcotic), ornament         | Tropical Asia                            | 1903                      |
| <i>Arenga pinnata</i> (Wurmb) Merr. (Arecaceae)              | Palm          | Agricultural crop (food, fibre, beverage); ornament | Tropical Asia                            | 1904                      |

|  |                  |                                      |   |      |
|--|------------------|--------------------------------------|---|------|
| <i>Elaeis guineensis</i> Jacq.<br>(Arecaceae)  | Palm             | Agricultural crop<br>(oil), ornament | Tropical Africa –<br>invasive in<br>East<br>Usambaras, TZ<br>and possibly<br>parts of<br>Uganda | 1845 |
| <i>Aristolochia littoralis</i><br>Parodi (Syn.:<br><i>Aristolochia elegans</i><br>Mast.)<br>(Aristolochiaceae) | Climber          | Ornament                             | Tropical America  | 1929 |
| <i>Ageratina adenophora</i><br>(Spreng.) R.M. King &<br>H. Rob. (Asteraceae)                                   | Herb             | Ornament                             | Tropical America  | 1963 |
| <i>Ageratum conyzoides</i> L.<br>(Asteraceae)  | Herb             | Ornament                             | Tropical America  | 1895 |
| <i>Ageratum houstonianum</i><br>Mill. (Asteraceae)   | Herb             | Ornament                             | Tropical America  | 1950 |
| <i>Chromolaena odorata</i><br>(L.) R.M. King & H.<br>Rob. (Asteraceae)   | Tree or<br>shrub | Barrier, ?Ornament                   | Tropical America  | 2009 |
| <i>Cirsium vulgare</i> (Savi)<br>Ten. (Asteraceae)   | Herb             | Agricultural crop<br>(bee forage)    | North<br>Temperate<br>Eurasia   | 1956 |
| <i>Dahlia imperialis</i> Roezl<br>ex Ortgies (Asteraceae)  | Herb             | Ornament                             | Tropical America  | 1953 |
| <i>Erigeron karvinskianus</i><br>DC. (unresolved)<br>(Asteraceae)  | Herb             | Ornament                             | Tropical America  | 1956 |
| <i>Euryops chrysanthemoides</i> (DC.)<br>B. Nord. (Asteraceae)   | Tree or<br>shrub | Ornament                             | Temperate<br>Southern<br>Africa   | 1981 |
| <i>Montanoa hibiscifolia</i><br>Benth. (Asteraceae)  | Tree or<br>shrub | Ornament                             | Tropical America  | 1950 |

|   |               |   |                           |                           |
|---|---------------|---|---------------------------|---------------------------|
| <i>Parthenium hysterophorus</i> L.<br>(Asteraceae)  | Herb          | None  | Tropical America          | 1973                      |
| <i>Senecio madagascariensis</i> Poir.<br>(Asteraceae)                                     | Herb          | None  | Temperate Southern Africa | 1986                      |
| <i>Sphagneticola trilobata</i> (L.) Pruski (Asteraceae)                                   | Herb          | Cover/binder, ornament                              | Tropical America          | Unknown                   |
| <i>Tithonia diversifolia</i> (Hemsl.) A. Gray<br>(Asteraceae)                             | Tree or shrub | Agricultural crop (green manure); barrier, ornament | Tropical America          | 1917                      |
| <i>Tithonia rotundifolia</i> (Mill.) S.F. Blake<br>(Asteraceae)                           | Tree or shrub | Agricultural crop (bee forage), barrier, ornament   | Tropical America          | 1949                      |
| <i>Xanthium spinosum</i> L.<br>(Asteraceae)   | Herb          | Medicinal   | Tropical America          | Only recorded in Ethiopia |
| <i>Xanthium strumarium</i> L.<br>(Asteraceae)   | Herb          | Medicinal   | Tropical America          | 1962                      |
| <i>Zinnia peruviana</i> (L.) L<br>(Asteraceae)  | Herb          | Ornament  | Tropical America          | 1932                      |
| <i>Azolla filiculoides</i> Lam.<br>(Azollaceae)<br><br>Possibly <i>A. cristata</i> Kaulf. | Aquatic       | Ornament  | Tropical America          | Unknown                   |
| <i>Anredera cordifolia</i> (Ten.) Steenis.<br>(Basellaceae)                               | Climber       | Ornament  | Tropical America          | ?1932                     |
| <i>Dolichandra unguis-cati</i> (L.) L.G. Lohmann<br>(Bignoniaceae)                        | Climber       | Ornament  | Tropical America          | 1930                      |

|  |                               |   |  |         |
|--|-------------------------------|---|--|---------|
| <i>Jacaranda mimosifolia</i><br>D. Don (Bignoniaceae)  | Tree or<br>shrub              | Agricultural crop<br>(bee forage), barrier,<br>domestic, ornament | Tropical<br>America                                      | 1908    |
| <i>Tecoma stans</i> (L.) Juss.<br>ex Kunth (Bignoniaceae)  | Tree or<br>shrub              | Barrier, ornament   | Tropical<br>America                                      | 1904    |
| <i>Cordia alliodora</i> (Ruiz<br>& Pav.) Oken<br>(Boraginaceae)  | Tree or<br>shrub              | Domestic, ornament,<br>silvicultural crop                         | Tropical<br>America                                      | 1909    |
| <i>Echium plantagineum</i> L.<br>(Boraginaceae)  | Herb                          | Agricultural crop<br>(bee forage),<br>ornament                    | North<br>Temperate<br>Eurasia                            | 1950    |
| <i>Austrocylindropuntia</i><br><i>subalata</i> (Muelenpf.)<br>Backeb. (Cactaceae)                        | Succulent<br>tree or<br>shrub | Barrier, ornament   | Tropical<br>America                                      | 1941    |
| <i>Cereus jamacaru</i> DC.<br>(previously identified as<br><i>C. peruvianus</i> in Kenya)<br>(Cactaceae) | Succulent<br>tree or<br>shrub | Barrier, ornament   | Tropical<br>America                                      | 1952    |
| <i>Opuntia cochenillifera</i><br>(L.) Mill. (Cactaceae)  | Succulent<br>tree or<br>shrub | Barrier, ornament   | Tropical<br>America                                      | 1942    |
| <i>Opuntia elatior</i> Mill.<br>(Cactaceae)  | Succulent<br>tree or<br>shrub | Barrier, ornament   | Tropical<br>America                                      | Unknown |
| <i>Opuntia engelmannii</i><br>Salm-Dyck ex Engelm.<br>(Cactaceae)  | Succulent<br>tree or<br>shrub | Barrier, ornament   | Tropical<br>America and<br>North<br>Temperate<br>America | ?1976   |
| <i>Opuntia ficus-indica</i> (L.)<br>Mill. (Cactaceae)  | Succulent<br>tree or<br>shrub | Agricultural crop<br>(fodder, food),<br>barrier, ornament         | Tropical<br>America                                      | 1903    |
| <i>Opuntia monacantha</i><br>(Willd.) Haw.<br>(Cactaceae)  | Succulent<br>tree or<br>shrub | Agricultural crop<br>(food), barrier                              | Tropical<br>America                                      | 1927    |

|  |                               |  |   |         |
|--|-------------------------------|--|---|---------|
| <i>Opuntia stricta</i> (Haw.)<br>Haw. (Cactaceae)                    | Succulent<br>tree or<br>shrub | Barrier, ornament  | Tropical<br>America                                 | 1949    |
| <i>Pereskia aculeata</i> Mill.<br>(Cactaceae)                        | Climber                       | Barrier, ornament  | Tropical<br>America                                 | 1968    |
| <i>Canna indica</i> L.<br>(Cannaceae)                                | Herb                          | Ornament   | Tropical<br>America                                 | 1895    |
| <i>Canna × generalis</i> L.H.<br>Bailey & E.Z. Bailey<br>(Cannaceae) | Herb                          | Ornament   | Tropical<br>America                                 | Unknown |
| <i>Casuarina<br/>cunninghamiana</i> Miq.<br>(Casuarinaceae)          | Tree or<br>shrub              | Barrier,<br>cover/binder,<br>domestic, ornament,<br>silvicultural crop | Tropical<br>Australia and<br>Temperate<br>Australia | 1904    |
| <i>Casuarina equisetifolia</i><br>L. (Casuarinaceae)                 | Tree or<br>shrub              | Barrier,<br>cover/binder,<br>domestic, ornament,<br>silvicultural crop | Tropical Asia<br>and Tropical<br>Australia          | 1895    |
| <i>Terminalia catappa</i> L.<br>(Combretaceae)                       | Tree or<br>shrub              | Agricultural crop<br>(food, tannins),<br>domestic, ornament            | Tropical Asia<br>and Australia                      | <1895   |
| <i>Callisia fragrans</i><br>(Lindl.) Woodson<br>(Commelinaceae)      | Herb                          | Ornament   | Tropical<br>America                                 | 1977    |
| <i>Callisia repens</i> (Jacq.) L.<br>(Commelinaceae)                 | Herb                          | Ornament   | Tropical<br>America                                 | 2003    |
| <i>Tradescantia fluminensis</i><br>Vell. (Commelinaceae)             | Herb                          | Ornament   | Tropical<br>America                                 | 1996    |
| <i>Tradescantia pallida</i><br>(Rose) D.R. Hunt<br>(Commelinaceae)   | Herb                          | Ornament   | Tropical<br>America                                 | 2003    |
| <i>Tradescantia zebrina</i><br>Bosse (Commelinaceae)                 | Herb                          | Ornament   | Tropical<br>America                                 | 2000    |

|  |                |                   |  |         |
|--|----------------|-------------------|--|---------|
| <i>Convolvulus arvensis</i> L.<br>(Convolvulaceae)   | Climber        | None              | Northern Temperate Eurasia                         | 1921    |
| <i>Cuscuta campestris</i><br>Yunck.<br>(Convolvulaceae)                                      | Climber        | None              | Tropical America and Temperate North America       | 1931    |
| <i>Ipomoea alba</i> L.<br>(Convolvulaceae)   | Climber        | Ornament          | Tropical America                                   | 1929    |
| <i>Ipomoea cairica</i> (L.) Sweet<br>(Convolvulaceae)  | Climber        | Ornament          | Africa and Tropical Asia                           | Native  |
| <i>Ipomoea carnea</i> Jacq.<br>subsp. <i>fistulosa</i> (Mart. ex Choisy)<br>(Convolvulaceae) | Tree or shrub  | Barrier, ornament | Tropical America                                   | 1949    |
| <i>Ipomoea hildebrandtii</i><br>Vatke (Convolvulaceae)                                       | Tree or shrub  | None              | Tropical Africa                                    | Native  |
| <i>Ipomoea indica</i> (Burm.) Merr.<br>(Convolvulaceae)                                      | Climber        | Ornament          | Tropical America                                   | Unknown |
| <i>Ipomoea purpurea</i> (L.) Roth<br>(Convolvulaceae)  | Climber        | Ornament          | Tropical America                                   | 1908    |
| <i>Bryophyllum delagoense</i><br>(Eckl. & Zeyh.) Druce<br>(Crassulaceae)                     | Succulent herb | Ornament          | Tropical Madagascar and South Temperate Madagascar | 1952    |
| <i>Bryophyllum fedtschenkoi</i> (Raym.- Hamet & H. Perrier)<br>Lauz.-March<br>(Crassulaceae) | Succulent herb | Ornament          | South Temperate Madagascar                         | <1952   |

|  |                   |  |                                   |         |
|--|-------------------|--|-----------------------------------|---------|
| <i>Bryophyllum proliferum</i><br>Bowie ex Hook.<br>(Crassulaceae)                  | Succulent<br>herb | Ornament   | Tropical<br>Madagascar            | 1947    |
| <i>Crassula sarmentosa</i><br>Harv. (Crassulaceae)                                 | Succulent<br>herb | Ornament   | South<br>Temperate<br>Africa      | 1977    |
| <i>Hevea brasiliensis</i><br>(Willd. ex A. Juss.)<br>Müll. Arg.<br>(Euphorbiaceae) | Tree or<br>shrub  | Agricultural crop<br>(rubber); domestic;<br>silvicultural crop                                       | Tropical<br>America               | ?1876   |
| <i>Hura crepitans</i> L.<br>(Euphorbiaceae)  | Tree or<br>shrub  | Ornament,<br>silvicultural crop  | Tropical<br>America               | 1911    |
| <i>Jatropha curcas</i> L.<br>(Euphorbiaceae)                                       | Tree or<br>shrub  | Agricultural crop<br>(oil), barrier,<br>medicinal, ornament  | Tropical<br>America               | 1895    |
| <i>Jatropha gossypiifolia</i> L.<br>(Euphorbiaceae)                                | Tree or<br>shrub  | Agricultural crop<br>(oil); barrier,<br>medicinal, ornament  | Tropical<br>America               | 1903    |
| <i>Ricinus communis</i> L.<br>(Euphorbiaceae)                                      | Tree or<br>shrub  | Agricultural crop<br>(oil), medicinal,<br>ornament   | ?Tropical<br>Africa               | ?Native |
| <i>Acacia auriculiformis</i><br>Benth. (Fabaceae)                                  | Tree or<br>shrub  | Domestic, ornament   | Tropical<br>Australia             | 1949    |
| <i>Acacia colei</i> Maslin &<br>L.A.J.Thomson (Fabacea<br>e)                       | Tree or<br>shrub  | Agricultural crop<br>(food); domestic,<br>ornament   | Tropical<br>Australia and<br>Asia | Unknown |
| <i>Acacia mearnsii</i> De<br>Wild (Fabaceae)                                       | Tree or<br>shrub  | Agricultural crop<br>(bee forage, tannins),<br>barrier, domestic,<br>ornament,<br>silvicultural crop | South<br>Temperate<br>Australia   | 1903    |
| <i>Acacia melanoxylon</i> R.<br>Br (Fabaceae)                                      | Tree or<br>shrub  | Barrier, domestic,<br>ornament,<br>silvicultural crop  | South<br>Temperate<br>Australia   | 1897    |

|   |               |   |                           |      |
|---|---------------|---|---------------------------|------|
| <i>Acacia podalyriifolia</i> G. Don (Fabaceae)  | Tree or shrub | Barrier, ornament   | South Temperate Australia | 1930 |
| <i>Acacia saligna</i> Wendl (Fabaceae)  | Tree or shrub | Agricultural crop (tannins) barrier, cover/binder, domestic, ornament, silvicultural crop | South Temperate Australia | 1909 |
| <i>Acrocarpus fraxinifolius</i> Arn. (Fabaceae)   | Tree or shrub | Agricultural crop (bee forage), barrier, domestic, ornament, silvicultural crop           | Tropical Asia             | 1949 |
| <i>Albizia saman</i> (Jacq.) Merr. (Fabaceae)   | Tree or shrub | Domestic, ornament  | Tropical America          | 1897 |
| <i>Bauhinia variegata</i> L. (Fabaceae)   | Tree or shrub | Domestic, ornament  | North Temperate Asia      | 1924 |
| <i>Caesalpinia decapetala</i> (Roth) Alston (Fabaceae)  | Climber       | Agricultural crop (bee forage), barrier, ornament   | Tropical Asia             | 1895 |
| <i>Calliandra houstoniana</i> (Mill.) Standl. var. <i>calothrysus</i> (Meisn.) Barneby (Fabaceae) | Tree or shrub | Agricultural crop (fodder), barrier, domestic, ornament                                   | Tropical America          | 1974 |
| <i>Desmodium uncinatum</i> (Jacq.) DC. (Fabaceae)   | Herb          | Agricultural crop (fodder, nitrogen-fixation); cover/binder                               | Tropical America          | 1953 |
| <i>Leucaena leucocephala</i> (Lam.) de Wit (Fabaceae)   | Tree or shrub | Agricultural crop (fodder, nitrogen-fixation), barrier, cover/binder, domestic, ornament  | Tropical America          | 1895 |

|   |                  |   |                     |        |
|---|------------------|---|---------------------|--------|
| <i>Mimosa diplostachya</i><br>Sauvalle (Fabaceae)                         | Tree or<br>shrub | Barrier,<br>cover/binder,<br>ornament   | Tropical<br>America | 1943   |
| <i>Mimosa pigra</i> L.<br>(Fabaceae)                                      | Tree or<br>shrub | Agricultural crop<br>(green manure,<br>nitrogen-fixation),<br>barrier, ornament                     | Tropical<br>America | 1862   |
| <i>Mimosa pudica</i> L.<br>(Fabaceae)                                     | Herb             | Cover/binder,<br>ornament   | Tropical<br>America | 1895   |
| <i>Parkinsonia aculeata</i> L.<br>(Fabaceae)                              | Tree or<br>shrub | Agricultural crop<br>(bee forage, fodder),<br>barrier, ornament                                     | Tropical<br>America | 1895   |
| <i>Pithecellobium dulce</i><br>(Roxb.) Benth.<br>(Fabaceae)               | Tree or<br>shrub | Barrier, domestic,<br>ornament  | Tropical<br>America | 1895   |
| <i>Prosopis juliflora</i> (Sw.)<br>DC. (Fabaceae)                         | Tree or<br>shrub | Agricultural crop<br>(bee forage, food,<br>fodder), barrier,<br>cover/binder,<br>domestic, ornament | Tropical<br>America | 1910   |
| <i>Senna alata</i> (L.) Roxb.<br>(Fabaceae)                               | Tree or<br>shrub | Ornament, medicinal   | Tropical<br>America | 1930   |
| <i>Senna bicapsularis</i> (L.)<br>Roxb. (Fabaceae)                        | Climber          | Barrier, ornament   | Tropical<br>America | 1913   |
| <i>Senna didymobotrya</i><br>(Fresen.) H.S. Irwin &<br>Barneby (Fabaceae) | Tree or<br>shrub | Barrier, medicinal,<br>ornament   | Tropical<br>Africa  | Native |
| <i>Senna hirsuta</i> H.S. Irwin<br>& Barneby (Fabaceae)                   | Tree or<br>shrub | Ornament  | Tropical<br>America | 1929   |
| <i>Senna obtusifolia</i> (L.)<br>H.S. Irwin & Barneby<br>(Fabaceae)       | Tree or<br>shrub | Medicine, ornament  | Tropical<br>America | 1903   |
| <i>Senna occidentalis</i> (L.)<br>Link (Fabaceae)                         | Tree or<br>shrub | Domestic, medicinal,<br>ornament  | Tropical<br>America | 1895   |

|   |               |  |                        |         |
|---|---------------|--|------------------------|---------|
| <i>Senna septemtrionalis</i> (Viv.) H.S. Irwin & Barneby (Fabaceae) | Tree or shrub | Ornament   | Tropical America       | 1902    |
| <i>Senna siamea</i> (Lam.) H.S. Irwin & Barneby (Fabaceae)          | Tree or shrub | Domestic, ornament   | Tropical Asia          | 1933    |
| <i>Senna spectabilis</i> (DC.) H.S. Irwin & Barneby                 | Tree or shrub | Barrier, domestic, ornament  | Tropical America       | 1935    |
| <i>Tephrosia vogelli</i> Hook. f. (Fabaceae)                        | Tree or shrub | Agricultural crop (nitrogen-fixation), domestic, medicine                          | ?Tropical Africa       | ?Native |
| <i>Myriophyllum aquaticum</i> (Vell.) Verdc. (Haloragaceae)         | Aquatic       | Ornament   | Tropical America       | 1956    |
| <i>Myriophyllum spicatum</i> L. (Haloragaceae)                      | Aquatic       | Ornament   | North temperate Europe | ?Native |
| <i>Hyptis suaveolens</i> (L.) Poit. (Lamiaceae)                     | Herb          | Medicinal  | Tropical America       | 1953    |
| <i>Salvia coccinea</i> Buc'hoz ex Etl. (Lamiaceae)                  | Herb          | Ornament   | Tropical America       | 1953    |
| <i>Cinnamomum camphora</i> (L.) J.Presl (Lauraceae)                 | Tree or shrub | Agricultural crop (oils), ornament   | North Temperate Asia   | 1904    |
| <i>Clidemia hirta</i> (L.) D. Don (Melastomataceae)                 | Tree or shrub | Ornament   | Tropical America       | 1921    |
| <i>Azadirachta indica</i> A. Juss. (Meliaceae)                      | Tree or shrub | Agricultural crop (bee forage, insecticide), barrier, domestic, medicine, ornament | North Temperate Asia   | 1895    |
| <i>Cedrela odorata</i> L. (Meliaceae)                               | Tree or shrub | Ornament, silvicultural crop   | Tropical America       | 1909    |

|   |                  |   |  |           |
|---|------------------|---|--|-----------|
| <i>Melia azedarach</i> L.<br>(Meliaceae)                            | Tree or<br>shrub | Agricultural crop<br>(bee forage,<br>medicine), domestic,<br>ornament       | North<br>Temperate<br>Asia and<br>Tropical Asia<br>and Australia | 1895      |
| <i>Toona ciliata</i> M.Roem.<br>(Meliaceae)                         | Tree or<br>shrub | Barrier, domestic,<br>medicinal, ornament,<br>silvicultural crop            | Tropical Asia  | 1909      |
| <i>Artocarpus heterophyllus</i> Lam.<br>(Moraceae)                  | Tree or<br>shrub | Agricultural crop<br>(food, fodder),<br>domestic, medicine                  | Tropical Asia  | 1902      |
| <i>Broussonetia papyrifera</i><br>(L.) L'Her.ex Vent.<br>(Moraceae) | Tree or<br>shrub | Ornament,<br>silvicultural crop   | North<br>Temperate<br>Asia                                       | 1953      |
| <i>Castilla elastica</i> Cerv.<br>(Moraceae)                        | Tree or<br>shrub | Agricultural crop<br>(rubber), ornament                                     | Tropical<br>America  | 1903      |
| <i>Psidium cattleianum</i><br>Afzel. ex Sabine<br>(Myrtaceae)       | Tree or<br>shrub | Agricultural crop<br>(food), domestic,<br>ornament                          | Tropical<br>America  | 1897      |
| <i>Psidium guajava</i> L.<br>(Myrtaceae)                            | Tree or<br>shrub | Agricultural crop<br>(food), domestic,<br>ornament                          | Tropical<br>America  | 1510-1530 |
| <i>Syzygium cumini</i> (L.)<br>Skeels (Myrtaceae)                   | Tree or<br>shrub | Agricultural crop<br>(bee forage, food)<br>domestic, medicinal,<br>ornament | Tropical Asia  | 1331      |
| <i>Syzygium jambos</i> (L.)<br>Alston (Myrtaceae)                   | Tree or<br>shrub | Agricultural crop<br>(bee forage, food),<br>domestic, ornament              | Tropical Asia  | ?1331     |
| <i>Mirabilis jalapa</i> L.<br>(Nyctaginaceae)                       | Herb             | Ornament  | Tropical<br>America  | 1895      |
| <i>Fraxinus pennsylvanica</i><br>Marshall (Oleaceae)                | Tree or<br>shrub | Domestic, ornament,<br>silvicultural crop                                   | Temperate<br>North America                                       | 1950      |
| <i>Lonicera japonica</i><br>Thunb. (Oleaceae)                       | Climber          | Barrier, ornament   | North<br>Temperate<br>Asia                                       | 1949      |

|   |                |   |                       |         |
|---|----------------|---|-----------------------|---------|
| <i>Argemone mexicana</i> L.<br>(Papaveraceae)                             | Herb           | None  | Tropical America      | 1860    |
| <i>Argemone ochroleuca</i><br>Sweet (Papaveraceae)                        | Herb           | None  | Tropical America      | Unknown |
| <i>Passiflora caerulea</i> L.<br>(Passifloraceae)                         | Climber        | Ornament  | Tropical America      | 1897    |
| <i>Passiflora edulis</i> Sims<br>(Passifloraceae)                         | Climber        | Agricultural crop<br>(food), ornament           | Tropical America      | 1896    |
| <i>Passiflora suberosa</i> L.<br>(Passifloraceae)                         | Climber        | Ornament  | Tropical America      | 1935    |
| <i>Passiflora subpeltata</i> L.<br>(Passifloraceae)                       | Climber        | Ornament  | Tropical America      | 1938    |
| <i>Passiflora tarminiana</i><br>Coppens & V.E. Barney<br>(Passifloraceae) | Climber        | Ornament  | Tropical America      | 1940    |
| <i>Rivina humilis</i> L.<br>(Phytolaccaceae)                              | Herb           | Ornament  | Tropical America      | 1949    |
| <i>Pinus caribaea</i> Morelet<br>(Pinaceae)                               | Tree or shrub  | Barrier, ornament, silvicultural crop           | Tropical America      | 1949    |
| <i>Pinus patula</i> Schiede ex Schltl. & Cham.<br>(Pinaceae)              | Tree or shrub  | Barrier, domestic, ornament, silvicultural crop | Tropical America      | 1946    |
| <i>Piper aduncum</i> L.<br>(Piperaceae)                                   | Tree or shrub  | Agricultural crop (spice), medicinal, ornament  | Tropical America      | 1930    |
| <i>Chimonobambusa quadrangularis</i> Makino<br>(Poaceae)                  | Grass (bamboo) | Barrier, ornament                               | North Temperate China | Unknown |
| <i>Antigonon leptopus</i><br>Hook. & Arn.<br>(Polygonaceae)               | Climber        | Ornament  | Tropical America      | 1903    |

|   |               |  |                             |       |
|---|---------------|--|-----------------------------|-------|
| <i>Eichhornia crassipes</i><br>(Mart.) Solms<br>(Pontederiaceae)                              | Aquatic       | Ornament                                     | Tropical America            | 1953  |
| <i>Hovenia dulcis</i> Thunb.<br>(Rhamnaceae)  | Tree or shrub | Agricultural crop (rubber), ornament         | North Temperate Asia        | 1902  |
| <i>Maesopsis eminii</i> Engl.<br>(Rhamnaceae)   | Tree or shrub | Domestic, ornament, silvicultural crop       | Tropical Africa             | 1913  |
| <i>Rubus niveus</i> Thunb.<br>(Rosaceae)  | Tree or shrub | Agricultural crop (food), barrier, ornament  | Tropical Asia               | 1937  |
| <i>Rubus rosifolius</i> Sm.<br>(Rosaceae)   | Tree or shrub | Agricultural crop (food), barrier, ornament  | Tropical Asia and Australia | 1931  |
| <i>Dovyalis caffra</i> (Hook.f. & Harv.) Sim<br>(Salicaceae)                                  | Tree or shrub | Agricultural crop (fruit), barrier, ornament | Temperate Southern Africa   | 1910  |
| <i>Salvinia molesta</i> D.S. Mitch.<br>(Salviniaceae)   | Aquatic       | Ornament                                     | Tropical America            | 1957  |
| <i>Cardiospermum grandiflorum</i> Sw.<br>(Sapindaceae)  | Climber       | Ornament                                     | Tropical America            | 1895  |
| <i>Brugmansia suaveolens</i><br>(Humb. & Bonpl. ex Willd.) Bercht. & J. Presl<br>(Solanaceae) | Tree or shrub | Ornament                                     | Tropical America            | 1950  |
| <i>Capsicum annuum</i> L.<br>(Syn. : <i>Capsicum frutescens</i> L.)<br>(Solanaceae)           | Herb          | Agricultural crop (food), ornament           | Tropical America            | 1600s |
| <i>Cestrum aurantiacum</i><br>Lindl. (Solanaceae)   | Tree or shrub | Barrier, ornament                            | Tropical America            | 1914  |
| <i>Cestrum elegans</i><br>(Brongn. ex Neumann)<br>Schltdl. (Solanaceae)                       | Tree or shrub | Barrier, ornament                            | Tropical America            | 1950  |

|  |               |                              |  |         |
|--|---------------|------------------------------|--|---------|
| <i>Cestrum nocturnum</i> L.<br>(Solanaceae)                    | Tree or shrub | Barrier, ornament            | Tropical America                             | 1952    |
| <i>Datura innoxia</i> Mill.<br>(Solanaceae)                    | Herb          | None                         | Tropical America                             | 1976    |
| <i>Datura metel</i> L.<br>(Solanaceae)                         | Herb          | Medicinal, ornament          | Tropical America                             | 1893    |
| <i>Datura stramonium</i> L.<br>(Solanaceae)                    | Herb          | Ornament                     | Tropical America                             | 1916    |
| <i>Nicotiana glauca</i><br>Graham (Solanaceae)                 | Tree or shrub | Medicinal, ornament          | Tropical America and Temperate South America | 1950    |
| <i>Physalis peruviana</i> L.<br>(Solanaceae)                   | Herb          | Agricultural crop (food)     | Tropical America                             | <1896   |
| <i>Solanum campylacanthum</i> Hochst. ex A. Rich. (Solanaceae) | Tree or shrub | Medicinal                    | ?Tropical Africa                             | Native  |
| <i>Solanum mauritianum</i> Scop. (Solanaceae)                  | Tree or shrub | Ornament                     | Tropical America                             | 1931    |
| <i>Solanum seaforthianum</i> Andrews (Solanaceae)              | Climber       | Ornament                     | Tropical America                             | 1949    |
| <i>Solanum torvum</i> Sw.<br>(Solanaceae)                      | Tree or shrub | Ornament                     | Tropical America                             | Unknown |
| <i>Duranta erecta</i> L.<br>(Verbenaceae)                      | Tree or shrub | Barrier, ornament            | Tropical America                             | 1895    |
| <i>Lantana camara</i> L.<br>(Verbenaceae)                      | Tree or shrub | Barrier, medicinal, ornament | Tropical America                             | 1932    |
| <i>Stachytarpheta jamaciensis</i> (L.) Vahl<br>(Verbenaceae)   | Herb          | Ornament                     | Tropical America                             | 1930    |
| <i>Verbena bonariensis</i> L.<br>(Verbenaceae)                 | Herb          | Ornament                     | Tropical America                             | 1953    |

|  |      |          |                           |                           |
|--|------|----------|---------------------------|---------------------------|
| <i>Verbesina encelioides</i><br>(Cav.) Benth. & Hook.f.<br>ex A. Gray<br>(Verbenaceae) | Herb | Ornament | Tropical America          | Only recorded in Ethiopia |
| <i>Hedychium coronarium</i><br>J.Koenig (Zingiberaceae)                                | Herb | Ornament | Temperate<br>Northen Asia | 1949                      |
| <i>Hedychium flavescens</i><br>Carey ex Roscoe<br>(Zingiberaceae)                      | Herb | Ornament | Temperate<br>Northen Asia | Unknown                   |