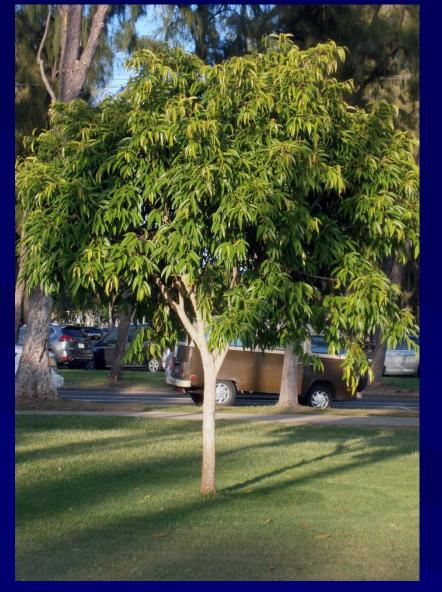
Propagation of Ornamental Ficus

F. maclellandii 'Ali'i'



F. maclellandii -- landscape



F. benjamina for interiors





F. triangularis - variegated





F. benjamina – Terminal cutting

F. elastica – Single node cuttings with whole leaf blade, 2/3 and 1/3 blade. Reduced leaf area reduced extent of rooting after 4 weeks.

F. carica fruits

F. benghalensis fruits are

seedless in Hawaii as their



used in breeding

of edible fig and

efforts in Asia.

Viability differs

among the

species.

F. religiosa fruits now bear

pollinator does not exist there. pollinator wasp has been introduced.

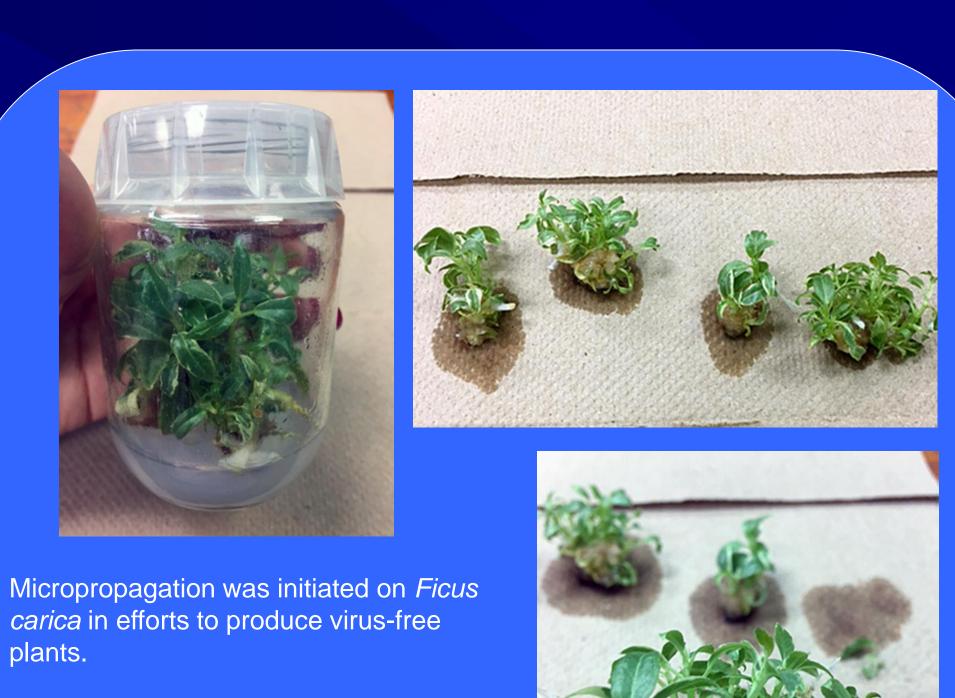
viable seeds in Hawaii as their

F. pumila has juvenile and mature growth forms.

F. benghalensis – Two node stem cutting

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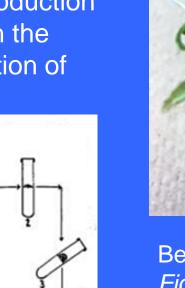
Many species of Ficus are used in interiorscaping and landscaping. Their growth habits range from prostrate groundcovers to shrubs, trees, and vines. Nearly all are easily propagated by the usual vegetative techniques of cutting, layering, grafting, and micropropagation. Fewer are propagated by seed as pollination requires specialized wasps, but some of those that do seed have become invasive. Ficus are suitable subjects for plant propagation classes as many, such as F. elastica, F. rubiginosa, and F. benghalensis can be propagated by single node cuttings as well as by stem cuttings and air layers. Aerial roots are characteristic of some species, which also signal ease of rooting. Many of the selections used in interiorscapes have been tissuecultured, giving rise to diverse forms, some of which are more compact and better branched.



Meristem culture and plantlet production from leaf blade callus have been the principal forms of micropropagation of Ficus.



14:156-164



Ficus 'Tineke' propagules.

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F. benjamina air layers grown on the island of Hawaii were finished in a nursery on Oahu.



A split Grow Tech plug is easier than sphagnum moss to apply.



Grafting and budding were used for efforts to find suitable rootstocks for *F. carica*. Cutting grafts (stenting) have been used for slow-to-root variegated *F. benjamina*. Bark grafts



Ficus benghalensis

Forms of Ficus elastica

Ficus religiosa -- Bo tree

Ficus microcarpa as bonsai

F. microcarpa var. crassifolia



F. religiosa has become invasive.



were used for this compact Ficus standard. Ficus grafts could be used for plant propagation classes.



