

FORGOTTEN FORESTRY INFORMATION

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Now that the island is more than half covered with forests and we are having an unprecedented number of students searching for the ecology of nature in Puerto Rico there is an unexpected fundamental source of information about the trees and forests that appeared between 1940 and 1964. It was also a period in which the objectives were different. Reservation of abandoned farmland called for reforestation. It called for trees propagated, adapted, fast growing, and productive of useful woods.

Tree propagation in nurseries rose to 9 million trees per year, and in a 9-year period more than 29 million trees were planted. The number of tree species used was 500, 190 natives and 310 introduced species. An array of sites throughout the island was included, making the findings of interest almost everywhere. Much was learned and documented about both failures (roughly 1/3) and successes. Within the remaining natural forests the comparative growth rates of many species of trees under different conditions led to a practice for greatly accelerated tree growth.

Specific findings included:

- Seed culture and propagation of valuable tree species
- Solutions to pest problems in tree nurseries.
- Limitations of adaptation and rapid growth of native species
- Potentials of tree species rapid growing elsewhere
- Potentials of the world's most prized tropical timber species
- The most promising tree species for each of the public forests

- Land preparation for forest replanting
- Planting practice
- Weed control in young plantations
- Thinning of plantations and growth effects
- Forest density reduction and productivity effects
- Puerto Rico's woods, their properties and values
- Seasoning and preservation of local woods
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Results are published in the Caribbean Forester, copies indexed on a disk and copies available at the International Institute of Tropical Forestry library.

Study reports on forest areas:

- | | |
|-----------------|-------------------|
| • Aguirre 9 | Mona 3 |
| • Cambalache 17 | Río Abajo 2 |
| • Carite 16 | Río Piedras 4 |
| • El Yunque 48 | St. Just 7 |
| • Guajataca 19 | Susúa 7 |
| • Guánica 14 | Toro Negro 28 |
| • Guilarte 9 | Virgin Islands 18 |
| • Maricao 16 | |
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Native tree species with 5 references or more in the journal

<i>Alchornea latifolia</i>	7
<i>Alchorneopsis portoricensis</i>	9
<i>Anacardium occidentale</i>	9
<i>Andira inermis</i>	28
<i>Avicennia germinans</i>	9
<i>Buchenavia tetraphylla</i>	23
<i>Bucida buceras</i>	23
<i>Bursera simaruba</i>	17
<i>Byrsonima cuneata</i>	6
<i>Byrsonima spicata</i>	20
<i>Calophyllum calaba</i>	43

<i>Cecropia schreberiana</i>	29	<i>Pouteria multiflora</i>	25
<i>Cedrela odorata</i>	44	<i>Prestoea montana</i>	11
<i>Ceiba pentandra</i>	5	<i>Prunus occidentalis</i>	7
<i>Citharexylum fruticosum</i>	18	<i>Rhizophora mangle</i>	11
<i>Coccoloba diversifolia</i>	6	<i>Sabal causiarum</i>	6
<i>Coccoloba grandiflora</i>	6	<i>Schefflera morototoni</i>	23
<i>Coccoloba uvifera</i>	6	<i>Sideroxylon foetidissimum</i>	11
<i>Colubrina arborescens</i>	13	<i>Sloanea berteriana</i>	23
<i>Cordia alliodora</i>	55	<i>Spondias mombin</i>	9
<i>Cordia nitida</i>	6	<i>Stahlia monosperma</i>	9
<i>Cordia sulcata</i>	6	<i>Tabebuia heterophylla</i>	53
<i>Cupania americana</i>	10	<i>Tabebuia rigida</i>	11
<i>Cyrilla antillana</i>	16	<i>Tetragastris balsamifera</i>	26
<i>Dacryodes excelsa</i>	45	<i>Tetrazygia eleagnoides</i>	5
<i>Dipholis salicifolia</i>	5	<i>Thespesia grandiflora</i>	28
<i>Eugenia aeruginea</i>	5	<i>Vitex divaricate</i>	23
<i>Eugenia stahlia</i>	10	<i>Zanthoxylum flavum</i>	18
<i>Ficus laevigata</i>	6	<i>Zanthoxylum martinicense</i>	6
<i>Genipa americana</i>	9		
<i>Guaiacum officinale</i>	26	Introduced tree species with 10 references or more	
<i>Guarea guidonia</i>	48	<i>Albizzia lebbeck</i>	13
<i>Guazuma ulmifolia</i>	9	<i>Casuarina equisetifolia</i>	49
<i>Henriettia squamulosa</i>	13	<i>Cupressus lusitánica</i>	16
<i>Hernandia sonora</i>	13	<i>Eucalyptus alba</i>	10
<i>Hieronima clusioides</i>	17	<i>Eucalyptus resinifera</i>	15
<i>Homalium racemosum</i>	12	<i>Eucalyptus robusta</i>	31
<i>Hufelandia pendula</i>	7	<i>Eugenia jambos</i>	27
<i>Hura crepitans</i>	5	<i>Hibiscus elatus</i>	17
<i>Hymenaea courbaril</i>	29	<i>Laguncularia racemosa</i>	22
<i>Inga laurina</i>	20	<i>Pinus caribaea</i>	28
<i>Inga vera</i>	19	<i>Prosopis pallida</i>	13
<i>Linociera domingensis</i>	11	<i>Senna siamea</i>	20
<i>Lonchocarpus latifolius</i>	5	<i>Swietenia macrophylla</i>	63
<i>Magnolia portoricensis</i>	10	<i>Swietenia mahagoni</i>	83
<i>Magnolia splendens</i>	15	<i>Tectona grandis</i>	51
<i>Manilkara bidentata</i>	38		
<i>Mayapea domingensis</i>	19		
<i>Micropholis chrysophylloides</i>	26		
<i>Micropholis garcinifolia</i>	13		
<i>Ocotea leucoxylon</i>	10		
<i>Ocotea moschata</i>	21		
<i>Ocotea spathulata</i>	15		
<i>Ochroma lagopus</i>	13		
<i>Ormosia krugii</i>	12		
<i>Petitia domingensis</i>	37		
<i>Phyllanthus nobilis</i>	6		