

Palm Research in 2003

COMPILED BY
WILLIAM J. BAKER
*Herbarium, Royal Botanic
Gardens, Kew, Richmond,
Surrey, TW9 3AE, UK*

Books

GIBBONS, M. 2003. A pocket guide to palms. Chartwell Books Inc., New Jersey. ISBN 0-7858-1562-7. 256 pages. US \$9.99. Reviewed in PALMS 48: 102.

COMEAU, P.L., Y.S. COMEAU AND W. JOHNSON. 2003. The Palm Book of Trinidad and Tobago, including the Lesser Antilles. International Palm Society, Lawrence, Kansas. ISBN 0-9740870-0-9. 108 pages. Price. US\$39.93. Reviewed in PALMS 48: 50.

FRANCKO, D.A. 2003. Palms won't grow here and other myths: Warm-climate plants for cooler areas. Timber press, Portland, Oregon. ISBN 0-88192-576-6. 267 pages. Price US\$27.95. Reviewed in PALMS 47: 110.

MOYA SANCHEZ, B., J. PLUMED SANCHO AND C. LITTARDI. 2003. La potatura delle Palme Ornamentali: Biologia, ecologia e gestione. Comune di San Remo, San Remo, Italy. Pp 160. Price unknown. An excellent guide to palms and their cultivation in Italian.

RIFFLE, R.L. AND P. CRAFT. 2003. An encyclopedia of cultivated palms. Timber Press, Portland, Oregon. ISBN 0-88192-558-6. 528 pages. Price: US\$49.95. Reviewed in PALMS 47: 162.

Articles

ABBAS, E.H. AND A.S. ABDULLA. 2003. First report of neck bending disease on date palm in Qatar. *Plant Pathology* 52: 790.

AGUIAR, M.O. AND M.S.D. MENDONÇA. 2003. Morpho-anatomy of the seeds of *Euterpe precatoria* Mart. *Rev. Brasil. Sementes* 25: 37–42.

ANTEN, N.P.R., M. MARTÍNEZ-RAMOS AND D.D. ACKERLY. 2003. Defoliation and growth in an understory palm: quantifying the contributions of compensatory responses. *Ecology* 84: 2905–2918.

DE ARRUDA FILHO, G.P. AND G.J. DE MORAES. 2003. Stigmaeidae mites (Acari: Raphignathoidea)

from Arecaceae of the Atlantic Forest in Sao Paulo State, Brazil. *Neotrop. Entomol.* 32: 49–57.

ASKARI, E., N.S. EL-KHALIFA, T. OHMURA, Y.S. AL-HAFENDH, F.A. KHAN, A. AL-HINDI AND R. OKAWARA. 2003. Molecular phylogeny of seven date palm (*Phoenix dactylifera* L.) cultivars by DNA fingerprinting. *Pakistan Jour. Bot.* 35: 323–330.

BADVE, R.M. AND C.V. SAKURKAR. 2003. On the disappearance of palm genus *Nypa* from the west coast with its present status in the Indian subcontinent. *Curr. Sci.* 85: 1407–1409.

BAKER, W.J., R.P. BAYTON, J. DRANSFIELD AND R.A. MATURBONGS. 2003. A revision of the *Calamus aruensis* (Arecaceae) complex in New Guinea and the Pacific. *Kew Bull.* 58: 351–370.

BAROT, S. AND J. GIGNOUX. 2003. Neighbourhood analysis in the savanna palm *Borassus aethiopum*: Interplay of intraspecific competition and soil patchiness. *Jour. Veg. Sci.* 14: 79–88.

BARFOD, A.S., T. BURHOLT AND F. BORCHSENIUS. 2003. Contrasting pollination modes in three species of *Licuala* (Arecaceae: Coryphoideae). *Telopea* 10: 207–223.

BRAILOVSKY, H. AND G. COUTURIER. 2003. A new species of *Leptoglossus* (Heteroptera: Coreidae: Anisoscelini) associated with the Amazonian palm *Mauritia flexuosa* (Arecaceae: Lepidocaryeae) in Peru. *Entomol. News.* 114: 18–22.

BORA, P.S. AND R.V.R. MOREIRA. 2003. Catole palm (*Syagrus oleracea* Mart) fruits: Fatty and amino acids composition. *Grasas y Aceites.* 54: 145–150.

CAMPOS, M.T. AND C. EHRLINGHAUS. 2003. Plant virtues are in the eyes of the beholders: A comparison of known palm uses among indigenous and folk communities of Southwestern Amazonia. *Econ. Bot.* 57: 324–344.

CARDENA, R., G.R. ASHBURNER AND C. OROPEZA. 2003. Identification of RAPDs associated with resistance to lethal yellowing of the coconut

- (*Cocos nucifera* L.) palm. *Scientia Hort.* 98: 257–263.
- CHARLES-DOMINIQUE, P., J. CHAVE, M.A. DUBOIS, J.J. DE GRANVILLE, B. RIERA AND C. VEZZOLI. 2003. Colonization front of the understory palm *Astrocaryum sciophilum* in a pristine rain forest of French Guiana. *Glob. Ecol. Biogeogr.* 12: 237–248.
- CHEDIAK, S.E. AND M.F. BAQUEIRO. 2003. Pp 406–412. Harvesting and conservation of heart palm. In: C. GALINDO-LEAL AND I. DE GUSMÃO CÂMARA (Eds.) *The Atlantic forest of South America: biodiversity status, threats and outlook*. Island Press, Washington.
- CONRAN, J.G. AND A.C. ROZEFELDS. 2003. *Palmoxylon queenslandicum*: a permineralised Oligocene palm trunk from near Springsure, southeastern Queensland. *Alcheringa* 27: 125–134.
- CONTE, R., R.O. NODARI, R. VENCOVSKY AND M.S. DOS REIS 2003. Genetic diversity and recruitment of the tropical palm, *Euterpe edulis* Mart., in a natural population from the Brazilian Atlantic Forest. *Heredity* 91: 401–406.
- DIAZ, S., C. PIRE, J. FERRER AND M.J. BONETE. 2003. Identification of *Phoenix dactylifera* L. varieties based on amplified fragment length polymorphism (AFLP) markers. *Cell. Mol. Biol. Letters* 8: 891–899.
- DIXON, D., I. COWIE AND R. KERRIGAN. 2003. *Ptychosperma macarthurii* or *P. bleeseri*? The taxonomic status of *P. bleeseri* reconsidered. *The Beagle, Rec. Mus. Art Galleries Northern Territory* 19: 81–86.
- DRANSFIELD, J. 2003. Ny Fomba Fiotazana Santiona Tsara Amin'ny "Palmier" Malagasy (Guide to collecting palm specimens, in Malagasy language). *Ravintsara* 1: 20, 21, 23.
- DRANSFIELD, J. AND H. BEENTJE. 2003. Arecaceae, Palms. Pp 448–457. In: Goodman, S.M. and J.P. Benstead (eds.). *The Natural History of Madagascar*. Chicago University Press.
- DRANSFIELD, J. AND W.J. BAKER. 2003. An account of the Papuan species of *Calamus* (Arecaceae) with paired fruit. *Kew Bull.* 58: 371–387.
- DUFAY, M., M. HOSSAERT-MCKEY AND M.C. ANSTETT. 2003. When leaves act like flowers: how dwarf palms attract their pollinators. *Ecol. Lett.* 6: 28–34.
- EL-ASSAR, A.M., R.R. KRUEGER, P.S. DEVANAND AND C.T. CHAO. 2003. Genetic analyses of date palms (*Phoenix dactylifera* L.) from Egypt using fluorescent-AFLP markers. *Hortscience.* 38: 733, 734.
- FOOTE, A.L., N.T. KROGMAN, I.M. GRUNDY, N. NEMARUNDWE, B.M. CAMPBELL, J. GAMBIZA AND L. GIBBS. 2003. Ilala palm (*Hyphaene petersiana*) use in Southern Zimbabwe: social and ecological factors influencing sustainability. *Forests, Trees and Livelihoods* 13: 275–296.
- FRAGOSO, J.M.V., K.M. SILVIUS AND J.A. CORREA. 2003. Long-distance seed dispersal by tapirs increases seed survival and aggregates tropical trees. *Ecology* 84: 1998–2006.
- FRECKLETON, R.P., D.M.S. MATOS, M.L.A. BOVI AND A.R. WATKINSON. 2003. Predicting the impacts of harvesting using structured population models: the importance of density-dependence and timing of harvest for a tropical palm tree. *Jour. Appl. Ecol.* 40: 846–858.
- GAIOTTO, F.A., D. GRATTAPAGLIA AND R. VENCOVSKY. 2003. Genetic structure, mating system, and long-distance gene flow in heart of palm (*Euterpe edulis* Mart.). *Jour. Hered.* 94: 399–406.
- GRIMALDI, D., F. ERVIK AND R. BERNAL. 2003. Two new neotropical genera of Drosophilidae (Diptera) visiting palm flowers. *Jour. Kansas Entomol. Soc.* 76: 109–124.
- HAI SANG, L. 2003. A new key to genera of Coryphoideae (Palmae). *Acta Bot. Yunnanica* 25: 525–531.
- HARLEY, M.M. AND J. DRANSFIELD. 2003. Triporate pollen in the Arecaceae. *Grana* 42: 3–19.
- HENDERSON, A. 2002. Reply to Edwards, P., J. Kollmann & K. Fleishmann. 2003. Life history evolution in *Lodoicea maldivica* (Arecaceae). *Nordic Jour. Bot.* 22 : 227–237. *Nordic Jour. Bot.* 22 : 418.
- IBARRA-MANRÍQUEZ, G. AND A. MENDOZA. 2003. *Reinhardtia elegans* Mart. (Arecaceae): an endemic palm in Mexican cloud forest. *Acta Bot. Mexicana* 63: 47–54.
- JAYASREE, V.K., C. RENUKA AND P. RUGMINI. 2003. Root development in rattans 1. A quantitative study of the roots in two species of *Calamus* L. *Jour. Bamboo Rattan* 2: 135–151.
- KUIJPER, W. AND M. MANDERS. 2003. South American palm seeds (*Orbignya* sp.) in Dutch shipwrecks. *Environmental Archaeology* 8: 185–187.
- KUMAR, H.N.K. AND S.N. RAMASWAMY. 2003. Contributions to the study of microsporogenesis in *Calamus* L. (Arecaceae). *Taiwania* 48: 180–193.
- LEACH, B.J., M.A. FOALE AND G.R. ASHBURNER. 2003. Some characteristics of wild and managed coconut palm populations and their environment in the Cocos (Keeling) Islands,

- Indian Ocean. Genet. Resour. Crop Evol. 50: 627–638.
- LEPSCH-CUNHA, N., C.A. LUND AND M.B. HAMILTON. 2003. Isolation and characterization of nuclear microsatellite loci in the tropical arboreal palm *Oenocarpus bacaba* (Arecaceae). Mol. Ecol. Notes 3: 435–437.
- LIMA, E.S., J.M. FELFILI, B.S. MARIMON AND A. SCARIOT. 2003. Diversity, structure and spatial distribution of palm in a cerrado sensu stricto in central Brasil-DF. Rev. Bras. Bot. 26: 361–370.
- LOPES LIMA, A. AND J.J. SOARES. 2003. Aspectos florísticos e ecológicos de palmeiras (Arecaceae) da Reserva Biológica de Duas Bocas, Cariacica, Espírito Santo. Bol. Mus. Biol. Mello Leitão (n. sér.) 16: 5–20.
- MANGAT, R. 2003. Brooms of doum. SWARA (Magazine of the East African Wild Life Society) 26: 72, 73.
- McKEAN, S. G. 2003. Toward sustainable use of palm leaves by a rural community in Kwazulu-Natal, South Africa. Econ. Bot. 57: 65–72.
- McNEIL, A. AND R.K. BRUMMITT. 2003. The usage of the alternative names of eight flowering plant families. Taxon 52: 853–856.
- MEEKIJAROENROJ, A. AND M.C. ANSTETT. 2003. A weevil pollinating the Canary Islands date palm: between parasitism and mutualism. Naturwissenschaften 90: 452–455.
- MEHROTRA, R.C., R.P. TIWARI AND B.I. MAZUMDER. 2003. *Nypa* megafossils from the Tertiary sediments of northeast India. Geobios 36: 83–92.
- MOEGENBURG, S.M. AND D.J. LEVEY. 2003. Do frugivores respond to fruit harvest? An experimental study of short-term responses. Ecology 84: 2600–2612.
- MOORE, P.D. 2003. Ecology - Palms in motion. Nature 426: 26, 27.
- MORENO, L.R. AND O.I. MORENO. 2003. Una nueva variedad de *Attalea phalerata* Mart. ex Spreng. (Arecaceae) de Pando, Bolivia. Rev. Soc. Boliviana Bot. 4: 67–73.
- MORINI, M.S.D., R.R. DA SILVA AND L.M. KATO. 2003. Non-specific interaction between ants (Hymenoptera; Formicidae) and fruits of *Syagrus romanzoffiana* (Arecaceae) in an area of the Brazilian Atlantic Forest. Sociobiology 42: 663–673.
- NÚÑEZ-CASTILLO, O. AND F.J. ÁLVAREZ-SÁNCHEZ. 2003. Arbuscular mycorrhizae of the palm *Astrocaryum mexicanum* in disturbed and undisturbed stands of a Mexican tropical forest. Mycorrhiza 13: 271–276.
- PAIN, S. 2003. The lost palms of Para. New Sci. 178: 48, 49.
- PETTTT, N.E. AND J.L. DOWE. 2003. Distribution and population structure of the vulnerable riparian palm *Livistona lanuginosa* A.N. Rodd (Arecaceae) in the Burdekin River catchment, north Queensland. Pacific Conserv. Biol. 9: 207–214.
- PITTINGER, D.R., D.R. HODEL AND A.J. DOWNER. 2003. Transplanting specimen palms: Common practices and research-based information. Hortscience 38: 836.
- POLIZZI, G. AND A. VITALE. 2003. First report of leaf spot and blight caused by *Botrytis cinerea* on pygmy date palm in Italy. Plant Disease 87: 1398.
- POTVIN, C, R. CANSARI, J. HUTTON, I. CAISAMO AND B. PACHECO. 2003. Preparation for propagation: understanding germination of giwa (*Astrocaryum standleyanum*), wagara (*Sabal mauritiiiformis*), and eba (*Socratea exorrhiza*) for future cultivation. Biodivers. Conserv. 12: 2161–2171.
- QADDOURY, A. AND M. AMSSA 2003. Impact of indole butyric acid on the rooting capacity of young date palm offshoots. Acta Botanica Gallica. 150: 213–222.
- RUDALL, P.J., K. ABRANSON, J. DRANSFIELD AND W. BAKER. 2003. Floral anatomy in *Dypsis* (Arecaceae-Arecaeae): a case of complex synorganization and stamen reduction. Bot. Jour. Linn. Soc. 143: 115–133.
- SANCHEZ-CARRILLO, D. AND E. VALTIERRA-PACHECO. 2003. Social organization for the exploitation of camedor palms (*Chamaedorea* spp.) in the Lacandona rainforest, Chiapas. Agrociencia 37: 545–552.
- SAW, L.G, J. DRANSFIELD AND D.M. KEITH-LUCAS. 2003. Morphological diversity of the genus *Licuala* (Palmae). Telopea 10: 187–206.
- SMALL, E. AND P.M. CATLING. 2003. Blossoming treasures of biodiversity: 8. Coco de Mer (*Lodoicea maldivica*). What do you do with a 70 pound coconut? Biodiversity 4: 25–28.
- SOBRINO, E, M. SANZ ELORZA AND E.D. DANA. 2003. *Washingtonia robusta* Wendl. y *Phoenix canariensis* Chabaud (Arecaceae): dos palmeras aloctonas naturalizadas en el Parque Natural del delta del Ebro. Ann. Jard. Bot. Madrid 60: 233–234.
- SOUZA, A.F., F.R. MARTINS AND L.C. BERNACCI. 2003. Clonal growth and reproductive strategies of the understory palm *Geonoma brevispatha*: an ontogenetic approach. Canad. Jour. Bot. 81: 101–112.

- STAUFFER, F.W. AND P.K. ENDRESS. 2003. Comparative morphology of female flowers and systematics in Geonomeae (Arecaceae). *Plant Syst. Evol.* 242: 171–203.
- STAUFFER, F.W., C.B. ASMUSSEN, A. HENDERSON AND P.K. ENDRESS. 2003. A revision of *Asterogyne* (Arecaceae: Arecoideae: Geonomeae). *Brittonia* 55: 326–356.
- TOMLINSON, P.B. AND M.H. ZIMMERMANN. 2003. Stem vascular architecture in the American climbing palm *Desmoncus* (Arecaceae-Arecoideae-Bactridinae). *Bot. Jour. Linn. Soc.* 142: 243–254.
- TSCHAPKA, M. 2003. Pollination of the understory palm *Calyptrogyne ghiesbreghtiana* by hovering and perching bats. *Biol. Jour. Linn. Soc.* 80: 281–288.
- WALTHER, G.R. 2003. Are there indigenous palms in Switzerland? *Bot. Helvetica* 113: 159–180.
- ZOLTZ, G. AND B. VOLLRATH. 2003. The epiphyte vegetation of the palm *Socratea exorrhiza* – correlations with tree size, tree age and bryophyte cover. *Jour. Trop. Ecol.* 19: 81–90.
- ZONA, S. 2003. Endosperm condition and the paradox of *Ptychococcus paradoxus*. *Telopea* 10: 179–185.

CLASSIFIED

PERMANENT BOTANICAL GARDEN SIGNS FOR PRIVATE OR PUBLIC COLLECTIONS. Call or write for brochure. Phone: (760) 723-1354; Fax: (760) 723-3220; e-mail: <palmnut@pacbell.net>. Gary Wood, PLANT SIGNS, 960 El Caminito, Fallbrook, CA 92028. Web Page: <http://www.plantsigns.com>

AMAZONIA. Palm, cycad and exotic fresh seeds. Catalog: 707 palm species. Tell us your preferences, we will advise you when seeds are available. Amateurs (10 seeds minimum) and nurseries. <http://www.amazonia-online.com> Our address: amazonia@amazonia-online.com

PALM SEEDS – We sell **RARE** and **UNCOMMON PALM / CYCAD** seeds from all over the world. Seeds from Madagascar, New Caledonia, Bolivia, Seychelles, Solomon Islands, Lord Howe Island and most other countries – including seeds of Coco-de-mer, the infamous Double Coconut.

Our list now runs to over 200 species from over 25 countries. We supply any quantity. No quantity is too small and none too big. Fresh and viable seeds only.

For more details – please visit our website at <http://www.ortanique.com> or email us at plants@ortanique.com or fax us at 510 494 0105 or write to us at Ortanique, 35314, Rutland Court, Newark, CA 94560, USA.