



PLANT FACT SHEET

Monstera deliciosa Liebm.

GENUS *Monstera* FAMILY Araceae

COMMON NAMES Ceriman, Monsteria

EDIBLE PARTS AND USES

Edible parts: Fruit

The fruit is edible. The fruit are encouraged to ripen evenly by putting in a paper bag in a fridge for 24 hours then ripening at room temperature. The very ripe fruit are eaten.

The fruit pulp can be strained and used as a drink.

CAUTION The unripe fruit have irritant crystals which sting the mouth.

DESCRIPTION

A woody climber with large leaves with natural holes. It attaches itself to trees by roots at the nodes and climbs up to 15-20 m high. The stem is stout and crooked. The have a few branches. The leaves are glossy green. The leaves are divided around the edge. The leaves are 30-90 cm across. Young leaves are usually on shorter stalks, smaller and entire. The flowers are lily like and green. It has long (20-40 cm) cone like fruit.

HABITAT

A tropical plant. It does best in rich, moist, well-drained soils. It suits a protected, shady position. It bears fruit between 700 m and 2300 m altitude in the equatorial tropics but the plant grows down to the coast. It is damaged by drought and frost. Seed need to be sown at a temperature between 18-24°C. The plant needs a temperature above 15°C. It suits hardiness zones 11-12. In XTBG Yunnan.

PRODUCTION

Cultivation

It is easily propagated by cuttings. Stem cuttings with one or two nodes or eyes are used. These are placed horizontally in potting mix. Putting these in a warm place with bright light but not direct sunlight quickens rooting. It should have a trellis, tree or wall to climb against. Plants can be grown from seed. Fruit can be ripened evenly by cutting them as soon as the base starts to ripen then wrapping them in paper for few days.

Harvesting and Seed Production

Plants grown from seeds take 6 years to fruit. The fruit take about a year to mature after flowering.

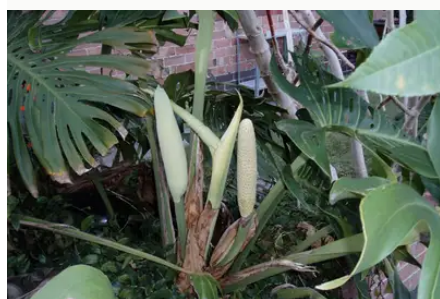
NOTES

There are about 40-60 *Monstera* species.

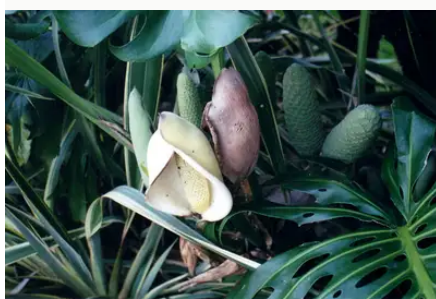
PICTURES



Credit: Food Plants International (Bruce French)



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REFERENCES

- Ambasta, S.P. (Ed.), 2000, *The Useful Plants of India*. CSIR India. p 379
- Andrare, G. M. M., et al, 2023, *Plantas Alimenticias Nao Convencionais (PANC) Nos Levantamentos Etnobotanicos do Brazil*. Novos Cadernos NAEA v. 25 No. 2 p 199
- Bodkin, F., 1991, *Encyclopedia Botanica*. Cornstalk publishing, p 707
- Brown, D., 2000, *Aroids. Plants of the Arum family*. Timber Press. (Second edition) p 271
- Bremness, L., 1994, *Herbs*. Collins Eyewitness Handbooks. Harper Collins. p 282
- Brickell, C. (Ed.), 1999, *The Royal Horticultural Society A-Z Encyclopedia of Garden Plants*. Convent Garden Books. p 681
- Burkill, I.H., 1966, *A Dictionary of the Economic Products of the Malay Peninsula*. Ministry of Agriculture and Cooperatives, Kuala Lumpur, Malaysia. Vol 2 (I-Z) p 1515
- Crandall, C & Crandall, B., 1996, *Flowering Fruiting and Foliage vines*. Sterling. p 91
- Cundall, P., (ed.), 2004, *Gardening Australia: flora: the gardener's bible*. ABC Books. p 902
- Dahlgren, B. E. & Standley, P. C., 1944, *Edible and Poisonous plants of the Caribbean Region*. Dept. of the Navy. p 30
- Darley, J.J., 1993, *Know and Enjoy Tropical Fruit*. P & S Publishers. p 121
- Facciola, S., 1998, *Cornucopia 2: a Source Book of Edible Plants*. Kampong Publications, p 25
- Flora of Pakistan. www.eFloras.org
- Flowerdew, B., 2000, *Complete Fruit Book*. Kyle Cathie Ltd., London. p 150
- French, B.R., 1986, *Food Plants of Papua New Guinea, A Compendium*. Asia Pacific Science Foundation p 286
- Hedrick, U.P., 1919, (Ed.), *Sturtevant's edible plants of the world*. p 418
- Hernandez Bermejo, J.E., and Leon, J. (Eds.), 1994, *Neglected Crops. 1492 from a different perspective*. FAO Plant Production and Protection Series No 26. FAO, Rome. p14
- Hibbert, M., 2002, *The Aussie Plant Finder 2002, Florilegium*. p 198
<http://www.botanic-gardens-ljubljana.com/en/plants>
- Janick, J. & Paul, R. E. (Eds.), 2008, *The Encyclopedia of Fruit & Nuts*. CABI p 77
- John, L., & Stevenson, V., 1979, *The Complete Book of Fruit*. Angus & Robertson p 195
- Kew Plants of the World Online
- Kiple, K.F. & Ornelas, K.C., (eds), 2000, *The Cambridge World History of Food*. CUP p 1816

- Lazarides, M. & Hince, B., 1993, Handbook of Economic Plants of Australia, CSIRO. p 166
- Llamas, K.A., 2003, Tropical Flowering Plants. Timber Press. p 84
- Lord, E.E., & Willis, J.H., 1999, Shrubs and Trees for Australian gardens. Lothian. p 334
- Lorenzi, H., Bacher, L., Lacerda, M. & Sartori, S., 2006, Brazilian Fruits & Cultivated Exotics. Sao Paulo, Instituto Plantarum de Estudos da Flora Ltda. p 365
- Lyle, S., 2006, Discovering fruit and nuts. Land Links. p 286
- Macmillan, H.F. (Revised Barlow, H.S., et al) 1991, Tropical Planting and Gardening. Sixth edition. Malayan Nature Society. Kuala Lumpur. p 304
- Marinelli, J. (Ed), 2004, Plant. DK. p 215
- Martin, F. W., et al, 1987, Perennial Edible Fruits of the Tropics. USDA Handbook 642 p 19
- Miguel, E., et al, 1989, A checklist of the cultivated plants of Cuba. Kulturpflanze 37. 1989, 211-357
- Morton, J. F., 1987, Fruits of Warm Climates. Wipf & Stock Publishers p 15
- Otway, C., Edible Weeds and Foraging around Perth, Australia. Terra Perma. p 29
- Pasha, M. K. & Uddin, S. B., 2019, Minor Edible Fruits of Bangladesh. Bangladesh J. Plant Taxon. 26(2): 299-313
- Piedra-Malagón, E. M. et al, 2022, Edible native plants of the Gulf of Mexico Province. Biodiversity Data Journal 10: e80565 p 10
- Purseglove, J.W., 1972, Tropical Crops. Monocotyledons. Longmans p 59
- Recher, P, 2001, Fruit Spirit Botanical Gardens Plant Index. www.nrg.com.au/~recher/seedlist.html p 2
- Roa, J. A. G. & Boada, D. S. G., 2018, Fundación para el Fortalecimiento de la Fruticultura y Plantas Alimenticias no Convencionales en Colombia.
- Segura, S. et al, 2018, The edible fruit species in Mexico. Genet Resour Crop Evol (2018) 65:1767-1793
- Standley, P. & Steyermark, J., 1958, Flora of Guatemala. Fieldiana: Botany, Volume 24 part 1 p 330
- Staples, G.W. and Herbst, D.R., 2005, A tropical Garden Flora. Bishop Museum Press, Honolulu, Hawaii. p 606
- Stone, B. C., 1970, The Flora of Guam. A Manual for the Identification of the Vascular Plants of the Island. Micronesica. Journal of the University of Guam. p 121
- Sukarya, D. G., (Ed.) 2013, 3,500 Plant Species of the Botanic Gardens of Indonesia. LIPI p 944
- Thaman, R. R., et al, 1994, The Flora of Nauru. Atoll Research Bulletin No. 392. Smithsonian Institute p 42
- Torre, de la L., et al, 2008, Enciclopedia de las Plantas Útiles del Ecuador. Herbario QCA. Pontificia Universidad Católica del Ecuador. p 184
- USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN). [Online Database] National Germplasm Resources Laboratory, Beltsville, Maryland. Available: www.ars-grin.gov/cgi-bin/npgs/html/econ.pl (10 April 2000)
- van Wyk, B., 2005, Food Plants of the World. An illustrated guide. Timber press. p 251
- Vidensk. Meddel. Dansk Naturhist. Foren. Kjobenhavn 1849:19. 1849
- Wiersema, J. H. & Leon, B., 2013, World Economic Plants. A Standard Reference CRC Press. 2nd Ed. p 452
- World Checklist of Useful Plant Species 2020. Royal Botanic Gardens, Kew

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