PLANT FACT SHEET

Glycosmis pentaphylla (Retz.) DC.

GENUS *Glycosmis* **FAMILY** Rutaceae

COMMON NAMES Orangeberry, Pink Lime

EDIBLE PARTS AND USES

Edible parts: Fruit, Leaves

The fleshy portion of the ripe fruit is eaten raw.

DESCRIPTION

A spineless shrub or tree. It grows 2-6 m tall and spreads 1-3 m wide. The young shoots are bright green. The leaves are 10-18 cm long. The leaves are compound with 1 to 5 leaflets. The leaflets are 6-12 cm long by 3-4 cm wide. The edges are entire and they are arranged alternately. Leaflets taper to the tip. The flowers are small in short narrow irregular flower arrangements in the axils of leaves. The flowers are 0.6 cm wide and white. They have a scent. The fruit is round and fleshy and is a 1 to 3 seeded berry. The fruit is 0.8-1 cm wide. The fruit are edible.

HABITAT

It is a tropical plant. Plants need a shady or protected position. They need a well drained soil. They occur in the Philippines from Palawan and also in Mindanao in secondary forests at low and medium altitudes. In China it grows between 600-1,200 m above sea level. Adelaide Botanical Gardens. In Yunnan.

PRODUCTION

Cultivation

Plants are grown from seed. Seed germinate erratically. It can also be grown from cuttings.

Harvesting and Seed Production

Plants are slow growing. In southern India plants flower and fruit September to April.

NOTES

A food plant of the Capaneus butterfly. There are about 60 Glycosmis species.

PICTURES



Credit: Food Plants International (Bruce French)



Credit: Food Plants International (Bruce French)



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REFERENCES

Ajesh, T. P., et al, 2012, Ethnobotanical Documentation of Wild Edible Fruits used by Muthuvan Tribes of Idukki, Kerala-India. International Journal of Pharma and Bio Sciences 3(3): 479-487

Ambasta, S.P. (Ed.), 2000, The Useful Plants of India. CSIR India. p 240

Arinathan, V., et al, 2007, Wild edibles used by Palliyars of the western Ghats, Tamil Nadu. Indian Journal of Traditional Knowledge. 6(1) pp 163-168

Baishya, S. Kr., et al, 2013, Survey of Wild Edible Fruits of Dhubri District, Assam, India. Plant Archives Vol 13 (1): 155-158 (As Glycosmis arborea)

Bohra, N., et al, 2017, Ethnobotany of wild edible plants traditionally used by the local people in the Ramnagar regions from Nainital District, Uttarakhand, India. Biolife 5(1): 12-19

Binu, S., 2010, Wild edible plants by the tribals in Pathanamthitta district, Kerala. Indian Journal of Traditional Knowledge. 9(2): 309-312

Cengel, D. J. & Dany, C., (Eds), 2016, Integrating Forest Biodiversity Resource Management and Sustainable Community Livelihood Development in the Preah Vihear Protected Forest. International Tropical Timber Organization p 121

Chanda, M., et al, 2018, Assessment of Traditionally Used Wild Edible Plants and Its Impact on Health and Livelihood among the Ethnic Communities of Tripura. Asian Journal of Agricultural and Horticultural Research. 2(3): 1-13

Deb, D., et al, 2013, Wild Edible Plants and Their Utilization in Traditional Recipes of Tripura, Northeast India. Advances in Biological Research 7(5):203-211 (As Glycosmis arborea)

Dhyani, S.K., & Sharma, R.V., 1987, Exploration of Socio-economic plant resources of Vyasi Valley in Tehri Garwhal. J. Econ. Tax. Bot. Vol. 9 No. 2 pp 299-310

Elliot, W.R., & Jones, D.L., 1992, Encyclopedia of Australian Plants suitable for cultivation. Vol 4. Lothian. p 372

Facciola, S., 1998, Cornucopia 2: a Source Book of Edible Plants. Kampong Publications, p 221

Hedrick, U.P., 1919, (Ed.), Sturtevant's edible plants of the world. p 330

Hibbert, M., 2002, The Aussie Plant Finder 2002, Florilegium. p 112

Jadhav, R., et al, 2015, Forest Foods of Northern Western Ghats: Mode of Consumption, Nutrition and Availability. Asian Agri-History Vol. 19, No. 4: 293-317

Jeeva, S., 2009, Horticultural potential of wild edible fruits used by the Khasi tribes of Meghalaya. Journal or Horticulture and Forestry Vol. 1(9) pp. 182-192

Jones D, L, 1986, Ornamental Rainforest Plants in Australia, Reed Books, p 111, 340

Jose, D. T. & Sasidharan, N., 2016, Checklist of wild edible plants of Aralam Wildlife sanctuary, Kerala, India. South Indian Journal Of Biological Sciences 2016; 2(1); 141144

Kiran, K. C., et al, 2019, Diversity and Seasonal Availability of Potential Wild Edible Plants from Vidarbha Region of Maharashtra State, India. Int.J.Curr.Microbiol.App.Sci (2019) 8(2): 1434-1446

Lazarides, M. & Hince, B., 1993, Handbook of Economic Plants of Australia, CSIRO. p 122

Liu, S., et al, 2023, Wild edible plants and their cultural significance among the Zhuang ethnic group in Fangchenggang, Guangxi, China. Journal of Ethnobiology and Ethnomedicine. 19:5

Mahapatra, A. K., et al, 2012, Nutrient Analysis of some selected wild edible fruits of deciduous forests of India. Advance Journal of Food Science and Technology 4(1):15-21

Mallick, S. N., et al, 2020, Ethnobotanical study of wild edible food plants used by the tribals and rural populations of Odisha, India. Plant Archives Vol. 20, No. 1, 2020 pp. 661-669

Martin, F. W., et al, 1987, Perennial Edible Fruits of the Tropics. USDA Handbook 642 p 74

Martin, M.A., 1971, Introduction L'Ethnobotanique du Cambodge. Centre National de la Recherche Scientifique. Paris.

Miguel, E., et al, 1989, A checklist of the cultivated plants of Cuba. Kulturpflanze 37. 1989, 211-357

Misra S. & Misra M., 2016, Ethnobotanical and Nutritional Evaluation of Some Edible Fruit Plants of Southern Odisha, India. International Journal of Advances in Agricultural Science and Technology, Vol.3 Issue.1, March- 2016, pg. 1-30

Misra, S., 2020, Survey of edible plants for human consumption in south Odisha, India. Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 7, Issue 12 p 278

Monsalud, M.R., Tongacan, A.L., Lopez, F.R., & Lagrimas, M.Q., 1966, Edible Wild Plants in Philippine Forests. Philippine Journal of Science. p 540

Pasha, M. K. & Uddin, S. B., 2019, Minor Edible Fruits of Bangladesh. Bangladesh J. Plant Taxon. 26(2): 299–313

Patiri, B. & Borah, A., 2007, Wild Edible Plants of Assam. Geethaki Publishers. p 22 (As Glycosmis arborea (Roxb.) Corr.

Prodr. 1:538. 1824

PROSEA (Plant Resources of South East Asia) handbook, Volume 12 (2), 2001,

Ramachandran, V. S., 2007, Wild edible plants of the Anamalais, Coimbatore district, western Ghats, Tamil Nadu. Indian Journal or Traditional Knowledge. 6(1) pp 173-176

Rasingam, L., 2012, Ethnobotanical studies on the wild edible plants of Irula tribes of Pillur Valley, Coimbatore district, Tamil Nadu, India. Asian Pacific Journal of Tropical Biomedicine. (2012) S1493-S1497

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