PLANT FACT SHEET

Dioscorea wallichii Hook.f.

GENUS *Dioscorea* **FAMILY** Dioscoreaceae

EDIBLE PARTS AND USES

Edible parts: Tubers, Root, Leaves

The tubers are cooked and eaten. They are sliced and boiled and washed thoroughly.

DESCRIPTION

A yam. The stem has prickles near the base. The stems twine in a right handed direction. The stems can be 20 m long. The tuber is up to 1 m long and 6 cm wide and deeply buried in the soil. The flesh is white. The leaves are a rounded heart shape. Plants are separately male and female.

HABITAT

A tropical plant. It grows in mixed deciduous and evergreen forests. In southern China it grows on mountain slopes between 900-1,300 m above sea level. In Yunnan.

NOTES

There are about 650 species of Dioscorea.

REFERENCES

Chauhan, S. H., et al, 2018, Consumption patterns of wild edibles by the Vasavas: a case study from Gujarat, India. Journal of Ethnobiology and Ethnomedicine (2018) 14:5

Flora Malesiana Vol 13 p 328

Ibrahim, N., 1994, Trace metals in tropical yam species: Dioscorea spp. Food Chemistry 51:5-6 (As Dioscorea wallichiana)

Harisha, R. P. & Padmavathy, S., 2013, Knowledge and Use of Wild Edible Plants in Two Communities in Malai Madeshwara Hills, Southern India. International Journal of Botany 9(2): 64-72.

Kahlon, L. K. & Singh, R., 2019, Traditional knowledge & Dynamics of edible plants of primitive tribal group 'Paudi Bhuyan' with changing demography migration patterns in Northern Odisha. Indian Journal of Traditional Knowledge Vol 18(1), pp 7-15

Kew, Plants of the World on Line

Lele, Y., et al, 2021, Wild Edible Plants of Nutritional and Medicinal Significance to the Tribes of Palghar, Maharashtra, India. Journal of Ecological Society. p 20

Lim, T. K., 2015, Edible Medicinal and Non Medicinal Plants. Volume 9, Modified Stems, Roots, Bulbs. Springer p 38

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

Mareenoon, K. et al, 2008, Ethnobotany of Dioscorea L. (Dioscoreaceae), a Major Food Plant of the Sakai Tribe at Banthad Range, Peninsular Thailand. Ethnobotany Reaearch & Applications 6:385-394

Misra, R. C., et al, 2013, Genetic resources of wild tuberous food plants traditionally used in Similipal Biosphere Reserve, Odisha, India. Genetic Resources and Crop Evolution. Vol. 60 No. 2. Springer

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

Murtem, G. & Chaudhrey, P., 2016, An ethnobotanical note on wild edible plants of Upper Eastern Himalaya, India. Brazilian Journal of Biological Sciences, 2016, v. 3, no. 5, p. 63-81

Pradhan, R., et al, 2020, Potential Wild Edible Plants and its Significance in Livelihood of Indigenous People of Male Mahadeshwara Hills, Karnataka. Economic Affairs Vol. 64, No. 4 pp. 01-14

Rahangdale, D. R. & Rahangdale, S.S., 2014, Potential Wild Edible Plant Resources from Maharashtra: Future Prospects for their Conservation and Improvement. Life Sciences Leaflets ISSN 0976-1098

Ramachandran, V.S. and Nair, V.J., 1981, Ethnobotanical studies in Cannanore District, Kerala State (India). J Econ. Tax. Bot. Vol 2 pp 65-72

Sheikh, N., et al, 2009, Status documentation of Dioscorea L. (Dioscoreaceae) in Meghalaya: an approach towards food security. Pleione 3(1): 74 - 82

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