PLANT FACT SHEET

Dendrocalamus hamiltonii Nees & Arn. ex Munro

GENUS *Dendrocalamus* **FAMILY** Poaceae

COMMON NAMES Tufted bamboo

EDIBLE PARTS AND USES

Edible parts: Shoots

Young shoots are cooked as a vegetable. They are also used in curry and pickles.
The parts near the base are washed, boiled and cooked as a vegetable.
The shoots are fermented and used to flavour meat.

DESCRIPTION

A bamboo. It grows to 25 m tall. It forms dense thickets. The stems are 7-12 cm across. The stems are curved downwards and the nodes are marked with root scars. The internodes are 20-40 cm long. The stem sheath is triangular. The leaves are narrow and sword shaped. They have small teeth along the edge. The leaves are rough underneath. The leaf sheaths have stiff hairs. The flower is reddish brown. The fruit is a grain which is oval and beaked. It flowers both annually and gregariously after 30 years.

HABITAT

A tropical and subtropical plant. It grows in Nepal between 500-2000 m altitude. It grows up to 900 m altitude in Uttar Pradesh in India. In Sikkim it grows between 700-4,000 m above sea level. In XTBG Yunnan.

PRODUCTION

Cultivation

Plants can be grown from seed or by splitting the rhizome. It can also be grown by cuttings of the stems.

NOTES

There are about 29 Dendrocalamus species.

PICTURES



Credit: Food Plants International (Bruce French)



Credit: Food Plants International (Bruce French)



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REFERENCES

Acharya K. P. and Acharya, R., 2010, Eating from the Wild: Indigenous knowledge on wild edible plants in Parroha VDC of Rupandehi District, Central Nepal. International Journal of Social Forestry. 3(1):28-48

Ambasta, S.P. (Ed.), 2000, The Useful Plants of India. CSIR India. p 166

Anderson, E. F., 1993, Plants and people of the Golden Triangle. Dioscorides Press. p 209

Angami, A., et al, 2006, Status and potential of wild edible plants of Arunachal Pradesh. Indian Journal of Traditional Knowledge 5(4) October 2006, pp 541-550

Aryal, K. P., et al, 2018, Diversity and use of wild and non-cultivated edible plants in the Western Himalaya. Journal of Ethnobiology and Ethnomedicine (2018) 14:10

Balkrishna, A., et al, 2022, Indigenous Uses of Plants among Forest-dependent Communities of Seijosa, Arunachal Pradesh. International Journal of Economic Plants 2022, 9(1):064-080

Bhatt, B. P., et al, 2003, Commercial edible bamboo species and their market potentiality in three Indian tribal states of the North Eastern Himalayan Region. J. Bamboo and Rattan. 2(2): 111-133

Burkill, I.H., 1966, A Dictionary of the Economic Products of the Malay Peninsula. Ministry of Agriculture and Cooperatives, Kuala Lumpur, Malaysia. Vol 1 (A-H) p 793

Cao, Y., et al, 2020, Ethnobotanical study on wild edible plants used by three trans-boundary ethnic groups in Jiangcheng County, Pu'er, Southwest China. Journal of Ethnobiology and Ethnomedicine (2020) 16:66

Chettri, N. & Sharma, E., Non-timber Forest Produce: Utilization, Distribution and Status in the Khangchendzonga Biosphere Reserve, Sikkim, India.

Dangol, D. R. et al, 2017, Wild Edible Plants in Nepal. Proceedings of 2nd National Workshop on CUAOGR, 2017.

Dobriyal, M. J. R. & Dobriyal, R., 2014, Non Wood Forest Produce an Option for Ethnic Food and Nutritional Security in India. Int. J. of Usuf. Mngt. 15(1):17-37

Ethnobotany of Karbis. Chapter 4 in p 83, 107

Gautam, R. S., et al, 2022, Ethnobotanical Review of Wild Edible Plants of Nepal. Journal of Natural History Museum Volume 32, 2021-22 p 125

Ghimeray, A. K., Lamsal, K., et al, 2010, Wild edible angiospermic plants of the Illam Hills (Eastern Nepal) and their mode of use by local community. Korean J. Pl. Taxon. 40(1)

Ghorbani, A., et al, 2012, A comparison of the wild food plant use knowledge of ethnic minorities in Naban River Watershed Nature Reserve, Yunnan, SW China. Journal of Ethnobiology and Ethnomedicine; 8:17

Guite, C., 2016, A study of wild edible plants associated with the Paite tribe of Manipur, India, International Journal of Current Research. Vol. 8, Issue, 11, pp. 40927-40932

Hedrick, U.P., 1919, (Ed.), Sturtevant's edible plants of the world. p 269

http://www.plantnames.unimelb.edu.au/sorting/Bamboos_Edible.html

Joshi, N., et al, 2007, Traditional neglected vegetables of Nepal: Their sustainable utilization for meeting human needs. Tropentag 2007. Conference on International Agricultural Research for Development.

Joshi, N. & Siwakoti, M., 2012, Wild Vegetables Used by Local Community of Makawanpur District and Their Contribution to Food Security and Income Generation. Nepal Journal of Science and Technology Vol. 13, No. 1 (2012) 59-66

Kar, A., et al, 2013, Wild Edible Plant Resources used by the Mizos of Mizoram, India. Kathmandu University Journal of Science, Engineering and Technology. Vol. 9, No. 1, July, 2013, 106-126

Kayang, H., 2007, Tribal knowledge on wild edible plants of Meghalaya, Northeast India. Indian Journal of Traditional Knowledge. Vol. 6(1), January 2007, pp. 177-181

Khakurel, D., et al, 2021, Foods from the wild: Local knowledge, use pattern and distribution in Western Nepal. PLOS ONE.

Kumar, A., et al, 2012, Ethnobotanical Edible Plant Biodiversity of Lepcha Tribes. Indian Forester, 138 (9):798-803

Lungphi, P., Wangpan, T. & Tangjang, S., 2018, Wild edible plants and their additional uses by the Tangsa community living in the Changlang district of Arunachal Pradesh, India. Pleione 12(2): 151 - 164. 2018.

Maikhuri, R, K, and Gangwar, A. K., 1993, Ethnobiological Notes on the Khasi and Garo Tribes of Meghalaya, Northeast India, Economic Botany, Vol. 47, No. 4, pp. 345-357

Manandhar, N.P., 2002, Plants and People of Nepal. Timber Press. Portland, Oregon. p 193

Manju, S., and Sundriyal, R. C., 2001, Wild Edible Plants of the Sikkim Himalaya: Nutritive Values of Selected Species. Economic Botany 55(3): 377-390

Martin, F.W. & Ruberte, R.M., 1979, Edible Leaves of the Tropics. Antillian College Press, Mayaguez, Puerto Rico. p 194

Mukhia, P.K., et al, 2013, Wild plants as Non Wood Forest Products used by the rural community of Dagana, a southern foothill district of Bhutan, SAARC Journal, 27 pages

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

Negi, K.S., 1988, Some little known wild edible plants of U.P. Hills. J. Econ. Tax. Bot. Vol. 12 No. 2 pp 345-360

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