PLANT FACT SHEET

Oryza glumaepatula Griff.

GENUS *Oryza* **FAMILY** Poaceae

COMMON NAMES Wild rice, Red rice

EDIBLE PARTS AND USES

Edible parts: Seeds, Cereal

The seeds are eaten like rice. They are dried, have the skins removed and are then cooked.
It is used as a reserve and famine food.

DESCRIPTION

It is wild rice. It is a creeping grass. It has swollen roots. It keeps growing from year to year. It grows 2.5 m high. The flowers are light brown. They are in panicles 13-25 cm long.

HABITAT

It is a tropical plant. It grows on the edges of ponds or floating on water. It grows in wetlands. In southern China it grows below 700 m above sea level. In Argentina it grows below 500 m above sea level.

PRODUCTION

Cultivation

Because it shatters, poor people tie the awns together to collect the grain.

Harvesting and Seed Production

In Rajasthan in India, seed are produced in September to November.

NOTES

There are about 20 Oryza species. This is a diploid species with AA genome.

REFERENCES

Ambasta, S.P. (Ed.), 2000, The Useful Plants of India. CSIR India. p 415

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 219

Avinash, B. K., Kumar, R., et al, 2013, Ethnoboptany of Tharus of Dudhwa National Park, India. Mintage journal of Pharmaceutical & Medical Science 6-11

BARC, 2016, State of Biodiversity for Food and Agriculture in Bangladesh. Bangladesh Agricultural Research Council.

Bengal pl. 2:1184. 1903 (As Oryza sativa var. fatua)

Bortolotto, I. M., et al, 2015, Knowledge and use of wild edible plants in rural communities along Paraguay River, Pantanal, Brazil. Journal or Ethnobiology and Ethnomedicine. 11:46 (As Oryza glumaepatula)

Bortolotto, I. M., et al, 2018, Lista preliminar das plantas alimenticias nativas de Mato Grosso do Sul, Brasil. Iheringia, Serie Botanica, Porto Alegre, 73 (supl.):101-116 (As Oryza glumaepatula)

Chandrakumar, P., et al, 2015, Ethnobotanical studies of wild edible plants of Gond, Halba and Kawar tribes of Salekasa Taluka, Gondia District, Maharashtra State, India. International Research Journal of Pharmacy 6(8)

Chivers, I., et al, 2015, Native grasses make new products. A review of current and past uses and assessment of potential. Rural Industries Research and Development Corporation. Aust. Gvt. p 16

Cribb, A.B. & J.W., 1976, Wild Food in Australia, Fontana. p 101 (As Oryza sativa var. fatua)

Garde, M., et al, 2003, A Preliminary List of Kundedjnjenghmi Plant Names. Northern Land Council. (Arnhem Land, Australia)

Gomes, L.C.A., et al, 2023, Patterns of use of wild food plants by Brazilian local communities: systematic review and meta-analysis. Journal of Ethnobiology and Ethnomedicine. 19:47 p 10 (As Oryza glumaepatula)

Hussey, B.M.J., Keighery, G.J., Cousens, R.D., Dodd, J., Lloyd, S.G., 1997, Western Weeds. A guide to the weeds of Western Australia. Plant Protection Society of Western Australia. p 60

Indian J. Genet. Pl. Breed. 25:157, fig. 2, 3. 1965 (As Oryza nivara)

Isaacs, J., 1987, Bush Food, Aboriginal Food and Herbal Medicine. Weldons. p 115 (As Oryza sativa var. fatua)

King, M. & Horsfall, J., 2023, Kimberley Bush Food. Edible Plants of the Kimberley Region of Western Australia. UWAP. p 184

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 177

Leach, G.J., & Osborne, P.L., 1985, Freshwater Plants of Papua New Guinea. UPNG Press, p 137

Lokhande, K. S., 2020, Ethnobotanical Survey on Wild Edible Plants Used by Tribals & Rural People of Arjuni/Mor Taluka, Gondia District, Maharashtra State, India. Advances in Zoology and Botany 8(3): 209-217

Mishra, N., et al, 2016, Indigenous knowledge in utilization of wetland plants in Bhadrak district, Odisha, India. Indian Journal of Natural Products and Resources. Vol. 7(1) pp. 82-89

Morley, B.D., & Toelken, H.R., (Eds), 1983, Flowering Plants in Australia. Rigby. p 391

Not. pl. asiat. 3:5, t. 144, fig. 2. 1851

Paczkowska, G. & Chapman, A.R., 2000, The Western Australian Flora. A Descriptive Catalogue. Western Australian Herbarium. p 111

Petheram, R.J. and Kok, B., 2003, Plants of the Kimberley Region of Western Australia. UWA Press p 179

Phon, P., 2000, Plants used in Cambodia. © Pauline Dy Phon, Phnom Penh, Cambodia. p 480

Prashanth Kumar, G.M. and Shiddamallayya, N., 2015, Ethnobotanical Study of Less Known Wild Edible Plants of Hakki Pikki Tribes of Angadihalli, Hassan District, Karnataka. Journal or Medicinal Plants Studies 3(5):80-85

PROSEA (Plant Resources of South East Asia) handbook Volume 10 Cereals. p 103 (As Oryza nivara)

Pullaiah, Y., Krishnamurthy, K. V. & Bahadur, B., (Eds.), 2016, Ethnobotany of India, Volume 1: Eastern Ghats and Deccan. (Also as Oryza jeyporensis)

Purseglove, J.W., 1972, Tropical Crops. Monocotyledons. Longmans p 162

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

Reddy, B. M., 2012, Wild edible plants of Chandrapur district, Maharashtra, India. Indian Journal of Natural Products and Resources. 3(1) pp 110-117

Roa, J. A. G. & Boada, D. S. G., 2018, Fundación para el Fortalecimiento de la Fruticultura y Plantas Alimenticias no Convencionales en Colombia.

Shah, G.L., 1984, Some economically important plant of Salsette Island near Bombay. J. Econ. Tax. Bot. Vol. 5 No. 4 pp 753-765

Singh, H.B., Arora R.K.,1978, Wild edible Plants of India. Indian Council of Agricultural Research, New Delhi. p 84

Singh, V. and Singh, P., 1981, Edible Wild Plants of Eastern Rajasthan. J. Econ. Tax. Bot. Vol 2 pp 197-207

Wheeler, J.R.(ed.), 1992, Flora of the Kimberley Region. CALM, Western Australian Herbarium, p 1194

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