PLANT FACT SHEET

Sarcomphalus mistol (Griseb.) Hauenschild

GENUS *Sarcomphalus* **FAMILY** Rhamnaceae

COMMON NAMES Mistol, Oblong leaf jujube, Sacha mistol

EDIBLE PARTS AND USES

Edible parts: Fruit

The ripe fruit are eaten fresh. They can be dried and stored.
The fruit are used to prepare an alcoholic drink in the Andes. Caution: Alcohol is a cause of cancer.
The fruit are also pounded and used as a drink.

DESCRIPTION

A small tree. It grows 4-8 m high. The trunk is 20-40 cm across. The branches zigzag. The branches are hairy and there are spines near the leaves. The leaves are alternate. They are entire and oblong. They are 4-5 cm long by 2.5-3 cm wide. There are 3 parallel veins running from the base to the tip. The fruit stalks are hairy and 3-4 mm long. The fruit is fleshy with a hard stone inside. It is round and 1.5 cm across. They are green and turn purple. The seed is oval and 1 cm long.

HABITAT

A tropical plant. It grows naturally in dry, thorny scrubland in Brazil.

PRODUCTION

Cultivation

Plants are grown from seed.

REFERENCES

Abh. Koenigl. Ges. Wiss. Goettingen 19:99; Pl. lorentz. 51. 1874 (As Ziziphus mistol)

Arenas, P. and Scarpa, G. F., 2006, Edible wild plants of the Chorote Indians, Gran Chaco, Argentina. Botanical Journal of the Linnean Society. Vol. 153 (1): pp 73-85 (As Ziziphus mistol)

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 Ziziphus mistol)

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 Ziziphus oblongifolius)

Grandtner, M. M. & Chevrette, J., 2013, Dictionary of Trees, Volume 2: South America: Nomenclature, Taxonomy and Ecology. Academic Press p 715 (As Ziziphus oblongifolius)

INFOODSUpdatedFGU-list.xls (As Ziziphus mistol)

Kermath, B. M., et al, 2014, Food Plants in the Americas: A survey of the domesticated, cultivated and wild plants used for Human food in North, Central and South America and the Caribbean. On line draft. p 942 (As Ziziphus mistol)

Lorenzi, H., Bacher, L., Lacerda, M. & Sartori, S., 2006, Brazilian Fruits & Cultivated Exotics. Sao Paulo, Instituto Plantarum de Estuados da Flora Ltda. p 279 (As Ziziphus mistol)

Malezas Comestibles del Cono Sur, INTA, 2009, Buernos Aires (As Ziziphus mistol)

Montani, M. C. & Scarpa, G. F., 2016, Recursos vegetales y prácticas alimentarias entre indígenas tapiete del noreste de la provincia de Salta, Argentina. Darwiniana, nueva serie vol.4 no.1 San Isidro jul. 2016 (As Ziziphus mistol)

NYBG herbarium "edible" (As Ziziphus mistol)

Palmieri, V. S., et al, 2018, Aproximaciones etnobotánicas de las especies y prácticas de frutos nativos comestibles de la Actualidad. Aportes para la interpretación del pasado prehispánico de cerro colorado (Córdoba, Argentina). Bol. Soc. Argent. Bot. 53 (1): 115-133

Palmeiri, V. S., & Geisa, M. G., 2019, Las plantas comestibles empleadas por las comunidades comechingonas de San Marcos Sierras (Córdoba, Argentina). Primeras aproximaciones. Bol. Soc. Argent. Bot. 54: 295-309.

Palmieri, V. S., et al, 2022, Wild edible plants of the Central Mountains in Argentina. Comparing subregions to understand the complexity of local botanical knowledge. Rodriguésia 73: e01092021. 2022

Polini, G., et al, Useful and edible plants of Paraguay Region of Chaco. p 110 (As Ziziphus mistol)

Scarpa, G. F., 2009, Wild food plants used by the indigenous peoples of South American Gran Chaco: A general synopsis and intercultural comparison. Journal of Applied Botany and Food Quality 83:90-101 (As Ziziphus mistol)

Schmedia-Hirschmann, G., 1994, Plants resources Used by the Ayoreo of the Paraguayan Chaco. Economic Botany Vol. 48. No. 3. pp. 252-258 (As Ziziphus mistol)

Slow Food (As Ziziphus mistol)

Smith, N., Mori, S.A., et al, 2004, Flowering Plants of the Neotropics. Princeton. p 324 (As Ziziphus mistol)

Toledo, B. A., et al, 2007, Knowledge and Use of Edible and Medicinal Plants in two Populations from the Chaco Forest, Cordoba Province, Argentina. Journal of Ethnobiology 27(2):218-232 (As Ziziphus mistol)

Toledo, B. A. et al, 2009, Ethnobotanical knowledge in rural communities of Cordoba (Argentina): the importance of cultural and biogeographical factors. Journal of Ethnobiology and Ethnomedicine. 9:22 (As Ziziphus mistol)

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) (As Ziziphus mistol)

van Wyk, B., 2005, Food Plants of the World. An illustrated guide. Timber press. p 391 (As Ziziphus mistol)

Vasquez, Roberto Ch. & Coimbra, German S., 1996, Frutas Silvestres Comestibles de Santa Cruz. p 196 (As Ziziphus mistol)

Wiersema, J. H. & Leon, B., 2013, World Economic Plants. A Standard Reference CRC Press. 2nd Ed. p 736 (As Ziziphus mistol)

World Checklist of Useful Plant Species 2020. Royal Botanic Gardens, Kew

www.colecionandofrutas.org (As Ziziphus oblongifolius)

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French, B.R. & Maynard, A.R. Food Plants International Database. Food Plants International

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