PLANT FACT SHEET

# *Solanum juzepczukii* Bukasov

**GENUS** *Solanum* **FAMILY** Solanaceae

**COMMON NAMES** Bitter potato

## EDIBLE PARTS AND USES

**Edible parts:** Root, Tuber, Leaves

The tubers are frozen, thawed and dried. This removes the glycoalkaloids which make them bitter. The processed product is called chuno. This is added to soups and stews. It can be made into a sweet dessert with fruit and molasses.

## DESCRIPTION

A natural hybrid. It is a herb. It is a potato relative. It grows 40-80 cm tall. It has a tuberous rootstock.

## HABITAT

A tropical plant. It grows above 4,000 m above sea level in Bolivia and can tolerate freezing. In Peru it grows between 3,900-4,200 m above sea level.

## NOTES

There are about 1400 Solanum species.
A triploid.

## REFERENCES


Facciola, S., 1998, Cornucopia 2: a Source Book of Edible Plants. Kampong Publications, p 237

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 819

Kiple, K.F. & Ornelas, K.C., (eds), 2000, The Cambridge World History of Food. CUP p 1733

Lim, T. K., 2015, Edible Medicinal and Non Medicinal Plants. Volume 9, Modified Stems, Roots, Bulbs. Springer p 78

Murillo, R. A. & Mendoza, V., 2003, p 87 in IAEA-TECDOC0-1426 Genetic improvement of under-utilized and neglected crops in low income food deficit countries through irradiation and related techniques. FAO.

Plants for a Future database, The Field, Penpol, Lostwithiel, Cornwall, PL22 0NG, UK. http://www.scs.leeds.ac.uk/pfaf/

Samuels, J., 2015, Biodiversity of Food Species of the Solanaceae Family: A Preliminary Taxonomic Inventory of Subfamily Solanoideae. Resources 2015, 4. 277-322

Tapia, M. E., The role of under-utilised plant species with regard to increased food security and improved health of poor poeople, in mountain regions. IIAP-PNUD/Peru

Ulian, T., et al, 2020, Unlocking plant resources to support food security and promote sustainable agriculture. Plants, People, Planet. 2020;2:421–445.

Velasquez-Milla, D., et al, 2011, Ecological and socio-cultural factors influencing in situ conservation of crop diversity by traditional Andean households in Peru. Journal of Ethnobiology and Ethnomedicine 7:40

Wiersema, J. H. & Leon, B., 2013, World Economic Plants. A Standard Reference CRC Press. 2nd Ed. p 644

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

**PROVIDED BY** **Food Plants International**

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

**LICENCE** CC BY-NC-SA 3.0

**ONLINE FACT SHEET** https://www.echocommunity.org/en/resources/b0e519a3-4623-4c8a-8901-bbea1beb7b79