

SOLANUM SAXATILIS, A NEW WILD POTATO SPECIES FROM PERU

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ABSTRACT

Solanum saxatilis is described as new from Perú.

KEY WORDS: *Solanum*, Solanaceae, Perú, new species

During preparation of my monographic work on the wild tuber bearing *Solanum* (Sect. *Petota*) of Perú, I am still finding some hitherto unknown taxa. To provide a valid name, I here describe the following species:

Solanum saxatilis Ochoa *sp. nov.* TYPE: PERU. Dept. de Puno, prov. Sandia: Cerca de Ccaccapata, aprox. 3550 m en taludes muy empinados de suelos húmedos, negros y pedregosos, cerca de grandes rocas, asociada con *Stipa ichu* y *Duranta rupestris* Hayek y *Saracha biflora* R. et P., Feb. 19, 1983; C. Ochoa y A. Salas 15082 (HOLOTYPE: Herb. OCH; Isotypes: CIP,MOL,MO). Pucpuquipata, aprox. 3650 m, cerca de Ccaccapata, entre suelos húmedos de acantilados y farallones rocosos, asociada con *Cortaderia* sp. y helechos herbáceos; C. Ochoa y A. Salas 15606 (Paratypes: Herb. OCH,CIP,GH,MOL).

Herbaceum, tuberiferum. Plantae usque ad 1.50 m altae, robustae, caules erecti, simplici vel ramificati, trigoni, basi 1.5-1.8 cm crassi, per totam longitudinem spisse atro-violaceo maculati, etiam alae; alae 3.5 mm latae, rectae, raro sinuosae. Caules pilis brevibus, mollibus, albis sparsim obsiti, sed difficulter manifesti. Stolones 1-2 m longi, 2-3 mm crassi, tubera parva, 3.0-4.5 cm diam., rotunda, alba. Folia imparipinnata 15.0-18.0(-25.0) x 9.5-12.8(-17.0) cm, petioli 2-3(-4) cm longi, folia 3-4(-5)-juga; foliolis interjectis 2-3-juga. Foliola anguste elliptico-lanceolatae, apice acuto, subacuminato vel acuminato. Foliolum terminale lateralibus fere conforme, 5.0-7.2 x 1.0-2.5 cm, basi attenuatum. Foliola primi jugis supera



Solanum saxatile Ochoa
(Drawn from holotypus Ochoa et Salas 15082)

4.7-6.7 x 1.0-1.7 cm, basi oblique rotundata, sessilia, aliquando in latere basis copio in rhachidem decurrentia, foliola reliqua petiolulis pigmentatis 1-3 mm longis praedita. Foliola interjecta 2-10 mm longa, suborbicularia ad subelliptica, basi membranacea, sessilia. Omnia foliola pilis tenerioribus supra praedita, subtus venis venulisque pilis brevibus solum oblecta, rhachis pilis longioribus albis atque nitidis instructus. Foliola pseudostipulacea reniformia, sive late falcata, auriculiformia satis magna, 10-14(-20) x 6-8(-12) cm. Inflorescentia cymosa ad cymoso paniculata, 10-15(-30)-flora, pedunculus 8-10(-14) cm longus, basi 1.5-2.0(-2.5) mm crassus, pigmentatus sicut pedicelli et calyx, brevissime pilosi tamquam pedicelli. Pedicelli ad 1/3 supra articulati, pedicellus superior 3-4 mm longus, inferior 10-18 mm longus. Calyx 5.5 mm longus, rarerer pilosus, lobi late elliptico-lanceolatae, acumina paulo manifesta 1.0-1.5 mm longa, acuta. Corolla rotata, parva 2.5-2.8 cm diam., atro-lilacina, stella griseo-flavida, columna antherarum cylindrico-conica, asymmetrica, antherae 5.0-5.5 mm longae, anguste lanceolatae, basi cordatae. Filamenta albo-hialina, glabra 1.0-1.5 mm longa; stylus 8.5-9.0 mm longus, 1.5-2.0 mm exsertus, ca. 1/3 partis inferioris papillis dense oblectum, stigma parvum, styli apice vix crassius, dilute viridus. Ovarium globosum vel ovatum. Baccae 15-18 mm longae, globosae ad ovaes, apicem versus pallide virides, ad basim atro-virides, lilacino-suffusae, pedicellus 5-6 mm longus. At series *Tuberosa* pertinent Numerus cromosomatum $2n=24$.

Habitat: In terrae praeruptis, non procul ab Ccaccapata, ad saxa et rupes, in locis humidis, inter *Stipa ichu*, *Duranta rupestris* Hayek, et *Saracha biflora* R. et P.

Solanum saxatilis has some far resemblance with *S. bukasovii* Juz.; however, in *S. saxatilis* the plant is taller, much more robust, the stem is thicker, never with a rosette at the base, and the average size of the corolla is smaller and more rotate.