

## TWO NEW TUBER-BEARING SOLANUM FROM SOUTH AMERICA

by C.M. Ochoa\*

### SOLANUM INCASICUM Ochoa sp. nov.

Herbaceum, tuberiferum. Plantae validae 50-60 cm altae, caules simplici vel valde ramificati, 8 mm crassi, pilis albis 4 mm vel plus longis dense obsiti, caules alati, alae rectae, angustae, laete virides, caules profunde pigmentati, praecipue 1/3 supra basim, internodia 1.5-3.0-4 cm longa. Stolones albi, carnosii, 2 mm crassi, 70-80 cm longi; tubera alba, rotundata usque ad ovalia, 1-3 cm longa. Folia imparipinnata, valde dissecta, 6.5-12.0 x 4.5-9.7 cm, dense pilosa, plerumque 4-juga; foliola interjecta valde inaequalia, numerosa. Petioli 5-10 mm longi, eodem modo quo rhachis et petioluli pilis densissime praediti. Foliola anguste elliptico-lanceolata vel elliptico-lanceolata, pilis albis argenteis obsita et in marginibus sinuosi atque crenati. Foliolum terminale lateralibus paulo majus, 3.3-5.5 x 2.0-3.0 cm, apex acutus vel subacuminatus basi rotundatum. Foliola lateralibus apice acuta vel subobtusata, basi oblique rotundata, subsessilia vel petiolulis brevioribus praedita. Foliola primi jugis 2.2-5.0 x 1.0-2.0 cm, alia foliola ad basim gradatim minora. Foliola interjecta orbicularia et late elliptico-lanceolata, membranacea, sessilia, 1.0-0.6 mm longa. Foliola pseudostipulacea 5-7 mm longa, 3-4 mm lata, anguste elliptico-lanceolata, vel fere falcata. Inflorescentia cymosa vel cymoso-paniculata, 10-12-flora, pedunculi 5-8 cm longi, basi usque ad 2.5 mm crassi, dense pilosi tamquam pedicelli et calyx, pedicelli 1/3 supra articulati, pedicellus superior 7-8 mm longus, inferior 25-30 mm longus. Calyx 10-11 mm longus, subpigmentatus vel pigmentatus, lobi anguste lanceolati, late membranacei, acumina acuta, 3-4 mm longa. Corolla magna rotata, usque ad 4.5 cm diam., lilacina, acumina anguste acuta, stella alba vel griseo-alba. Columna antherarum subcylindrico-conica, asymmetra, antherae anguste lanceolatae 6.0-6.5 mm longae, basi cordatae; filamenta 1.5-2.5 mm longa, alba, glabra. Stylus 11 mm longus, 2.5 exsertus, basi ad 1/3 dense papillis praeditus, stigma capitatum, magnum, fissum; ovarium pyriforme; fructus rotundati. Ad seriem Tuberosa pertinet. Numerus cromosomatum  $2n = 2x = 24$ .

HABITAT: Adverso flumine Pacaymayo, 3900 m supra mare in regio maxime nubicola et frigida circa formosus reliquum architectonica inca inter virgultum et relictus nemus, Provinci Urubamba, Departamenti Cusco, PERU. C. Ochoa N°4001, Martius 1973. Holotypus: Herbarium Ochoanum.

### SOLANUM LITUSINUM Ochoa sp. nov.

Herbaceum, tuberiferum. Plantae 60-70 cm altae, caules simplici vel ramificati, in parte basilari 8-10 mm crassi, duabus tertiis partibus

4 mm crassi, dilute virides, pilis brevibus sparsis obtecti, anguste alati alae rectae. Stolones usque ad 100 cm longi; tubera alba, rotunda usque ad ovalia, 2-3 cm longa. Folia imparipinnata, 7.8-14.5 x 5.2-8.7 cm, in utraque pagina pilis teneris induti, etiam rhachis et petioli, pilis simplices, 2-3 cellularibus et pilis brevibus glanduligeris intermixtae, glandulae tetralobulatae, ad axillas et basim petiolorum plus abundantes. Folia 3-juga et 0-2 interfoliola minuscula ornati, petioli 2.5-3.0 cm longi; foliola elliptico-lanceolata vel anguste elliptico-lanceolata, marginibus pilosis, irregulariter subdenticulatis. Foliolum terminale lateralibus solum paulo majus, 4.6-5.5 x 2.1-2.7 cm, apice acutum vel subacuminatum, basi rotundatum. Foliola lateralalia 2-7 mm, petiolulata; foliola primi et secundi jugis 3.9-4.5 x 1.6-2.0 cm; foliola primi jugis apice acuta et basi oblique rotundata, secundi jugis etiam acuta et basi rotundata. Foliola interjecta, num quando adsunt, parva 1.5-2.0 x 1.0-1.5 mm, elliptica et sessilia. Folia pseudostipulacea minuta, 2.5-3.0 x 1.5-1.8 mm, subfalcata. Inflorescentia cymosa 15-18-flora, pedunculi 5-7 cm longi, basim 2 mm crassi tamquam pedicelli pilosi et cum pilis glandulosis tetralobulatis intermixti. Calyx 9-8 mm longus, laete viridus, pilosus, lobi anguste elliptico lanceolati, in acumina acuta 1.5-2.0 mm longa producti. Corolla stellata, 3.0-3.5 cm. diam., violacea, stella interna flavo viride; columna antherarum cylindrico-conica, laeviter asymmetrica. Antherae lanceolatae, 7 mm longae, basi 1.6 mm latae, visibiliter cordatae; filamenta 0.5-1.0 mm longa, albo-hialina, glabra. Stylus 12 mm longus, 3.5-4.0 mm exsertus; basi 1/3 longitudinis papillis dense instructus; stigma parvum, ovale. Ovarium oval-pyriformis. Fructus rotundati vel ovaes. Ad seriem Commersoniana pertinet; cromasomatum numerus  $2n = 2x = 24$ .

HABITAT: La Playa ca 2600 m supra mare in itinere Quebrada Seca-Ariruma interprovinces Valle Grande et Florida, prope Province Valle Grande circa finitimus Provinci Florida, Departamenti Santa Cruz, BOLIVIA. Col. C. Ochoa N°12027 Martius-1978. Holotypus: Herbarium Ochoanum, CIP.

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Solanum incasicum Ochoa. Holotypus  
OCH-4001, ca. x 1/3.



Solanum litusinum Ochoa. Holotypus

OCH-12027, ca. x 1/3.



Ochoa, C. 1981. "Two new tuber-bearing *Solanum* from South America." *Phytologia* 48, 229–232..

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