

A NEW VARIETY OF THE COLOMBIAN TUBER-BEARING SOLANUM GARCIA-BARRIGAE

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In Biota 11(90): 221-223, 1978, I presented a new wild tuber-bearing Solanum dedicated in honor of the well known Colombian botanist Dr. Hernando Garcia Barriga. Now, I am describing a variety of this species collected by Dr. José Gutiérrezcasas and Dr. R. Romero Castañeda in the Valley of Donachui River, Sierra Nevada de Santa Marta, Colombia

SOLANUM GARCIA-BARRIGAE var. DONACHUI Ochoa var. nov.

Herbaceum, tuberiferum. Plantae parvae 15-20 cm altae, erectae. Caules simplici ad basim 2-3 mm crassi, pili albis brevibus obsiti, alati, alae perangustae, rectae, internodia 10-20 mm longa. Stolones 25-30 cm, etiam plus longi, 1.5-2.5 mm crassi, tubera parva 1-2 cm longa, rotunda ad ovalia, alba. Folia imparipinnata, parva, lata, 4.5-8.3 cm x 3.5-7.0 cm, pauce dissecta, 2-3 juga, foliolis interjectis deficientibus; petioli brevi, 12-15 mm longi, supra tamquam raquis pilosi. Foliola elliptico-lanceolata, apice acuta vel obtusa, pilosa, subtus densioribus, pilis brevibus dense obtecti. Foliolum terminale lateralibus majus atque latius, late ellipticum 3.3-4.2 cm x 1.4-2.4 cm, apice acutus vel subacuminatus, basi breviter cuneatum. Foliorum basaliu foliola terminalia suborbiculata vel orbiculata, apice obtusa, 2.5-3.1 cm x 2.3-2.8 cm. Foliola lateralibus primi jugis 2.0-3.4 cm x 0.9-1.7 cm basi rotundata vel paulum asymmetrica, sessilia vel subsessilia. Foliola secundi jugis 1.0-2.8 cm x 0.7-1.4 cm. Foliola 3 jugis, num quando adsunt visibilibus minora, 4-8 mm x 3-5 mm. Foliola subestipulacea dense pilosa, elliptico-lanceolata usque ad subfalcata, asymmetrica, apice obtusa, 3-5 x 2-3 mm. Inflorescentia terminalis, cymosa, 3-4 flora, pedunculus 3 cm longus, 1 mm crassus, sparse pilosus, eodem modo quo calyx et pedicelli. Pedicelli paulo subtus medium articulati. Calyx 3.5-4 mm longus, lobi elliptico-lanceolati, apice acuti vel apiculati. Corolla rotacea, parva, alba, 15 mm diam; acuminata brevia, apice pilosissima, antherae parvae, late lanceolatae, 3.5 mm longae. Stylus 6.0 mm longus, breviter exsertus, stigma parvum, capitatum; ovarium longum, conicum. Fructus longi, conici.

Herbaceous, tuber-bearing. Plants small, 15-20 cm in height, erect; stem simple, 2-3 mm thick towards the base, pilose, hairs very short and white; stem winged, wings very narrow and straight, internodes 10-20 mm in length; stolons 25-30 cm or more in length, 1.5-2.5 mm thick; tubers small, 1-2 cm long round to ovate, white. Leaves odd-pinnate, small, rather wide, 4.5-8.3 x 3.5-7.0 cm somewhat dissected, 3-5 folioles without interjected leaflets; short petiole, 12-15 mm long,

pilose above like on the rachis. Folioles elliptic-lanceolate apex acute to obtuse, pilose above, much more dense and shortly pilose below. Terminal foliole larger and more widely elliptic-lanceolate than the lateral ones, 3.3-4.2 x 1.4-2.4 cm, apex acute to subacuminate, base shortly cuneate; terminal folioles of the basal leaves sub-orbiculate to orbiculate, apex obtuse, 2.5-3.1 x 2.3-2.8 cm. Lateral folioles of the first superior pair 2.0-3.4 x 0.9-1.7 cm, base rounded or slightly asymmetric, sessile or subsessile. Folioles of the second pair 1.0-2.8 x 0.7-1.4 cm. Folioles of the third pair when present, much smaller than the two previous pairs, 4.8 x 3.5 mm. Pseudostipular leaves densely pilose asymmetrically elliptic-lanceolate to subfalcate, apex obtuse, 3.5 x 2.3 mm. Inflorescence terminal, cymose, 3-4 flowers; peduncle 3 cm long, 1 mm thick, sparsely pilose as the pedicels and calyx; pedicels articulated below the middle of its length. Calyx 3.5-4.0 mm long, lobules elliptic-lanceolate apex acute or apiculate; corolla rotate, white, small, 15 mm of diameter, acumens short with its apex very pilose; anthers small, widely lanceolate, 3.5 mm long; style short, 6 mm long, shortly exserted; stigma small, capitate, ovary long conical. Fruit long conical.

COLOMBIA: Magdalena, Sierra Nevada de Santa Marta, southeastern slopes, basin of Donachui River: Meollaca (or Meuyaca) paramo bushy prairies and thickest, 3260-3320 m alt. Coll.: J. Cuatrecasas and R. Romero Castañeda 24473, September 28, 1959.

Holotype: US.



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