

100. PACHYRHIZUS Richard ex Candolle, Prodr. 2: 402. 1825, nom. cons.

豆薯属 dou shu shu

Wu Delin (吴德邻 Wu Te-lin); Mats Thulin

Cacara Thouars.

Vines, perennial, twining or erect, with fleshy tubers. Leaves pinnately 3-foliolate, stipulate; leaflets large, stipellate, ovate or rhomboid, entire or sinuately lobed. Racemes or panicles axillary, rachis often nodose. Bracts caducous; bracteoles small, subsistent or minute and caducous. Calyx 2-lipped, upper lip emarginate, lower 3-toothed. Corolla violet or white, exerted from calyx; standard broadly obovate, appendaged with 2 inflexed auricles; wings oblong or falcate, often adherent to middle of keel; keel sometimes beaked, subequal to wings. Stamens diadelphous; vexillary stamen free at base, connate with tube in middle; anthers uniform. Ovary many ovuled, hirsute, hairs extending up style, forming a false beard; style filiform, inflexed adaxially; stigma lateral to subterminal. Legumes linear-oblong, constricted between seeds. Seeds compressed, suborbicular or transversely oblong.

Five species: distributed in tropical America; one species (introduced) in China.

1. *Pachyrhizus erosus* (Linnaeus) Urban, Symb. Antill. 4: 311. 1905.

豆薯 dou shu

Dolichos erosus Linnaeus, Sp. Pl. 2: 726. 1753; *Pachyrhizus angulatus* Richard ex Candolle, nom. illeg. superfl.

Vines, robust, twining. Root tubers 10–20 cm in diam. Leaflets rhombic or ovate, 4–18 × 4–20 cm, upper margin often somewhat dentate or lobed, lateral ones very oblique, sparsely pubescent abaxially. Racemes axillary, 15–30 cm; flowers 3–5

at thickened nodes. Calyx campanulate, 9–11 mm, adpressed pilose. Corolla purplish or pink; standard suborbicular, 15–20 mm, with yellow-green spot and 2 thickenings near base; wings falcate, auriculate; keel subfalcate, 15–20 mm. Ovary yellowish hirsute; style curved. Legumes 7.5–13 × 1.2–1.5 cm, compressed, hirsute. Seeds 8–10, subsquare. Fl. Aug, fr. Nov.

Cultivated. Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hunan, Sichuan, Taiwan, Yunnan [native to tropical America; widely cultivated in tropical regions].

This species is used as a vegetable.

