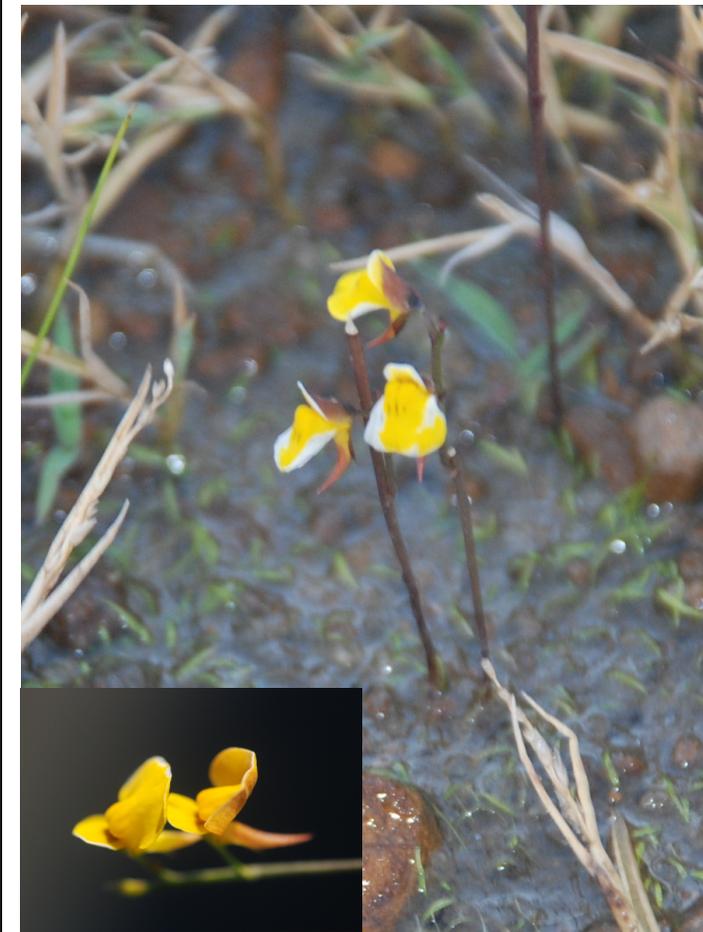


## LENTIBULARIACEAE

***Utricularia recta*** P. Taylor [= *Utricularia wallichiana* Wight var. *firmula* Oliv.; *U. scandens* Benj. var. *firmula* (Oliv.) Subr. & Banerjee]

**Description:** Herbs; rhizoids up to 1.5 cm long, thick, glandular, branches up to 3 mm long, papillose; stolons up to 8 cm long, sparsely branched. Foliar organs up to 5 cm long, linear, gland-dotted, 1-nerved,



***Utricularia recta*** P. Taylor

Courtesy: S.R. Yavad

rounded or obtuse at apex. Traps c 1 mm across, subglobose, slightly compressed; often a columnar appendage present on stalk; mouth basal; appendages 2, subulate, simple, glandular, gland-tipped. Racemes up to 20 cm long, erect, terete, each up to 10-flowered; scales 1-2 mm long, basifixed, lanceate to ovate-deltoid, 1-nerved, acute to acuminate at apex; bracteoles shorter than bracts, subulate to linear, 1-nerved; flowers up to 15 mm long; pedicels 3-6 mm long, erect, winged. Calyx-lobes unequal; upper lobe c 3.2 x 2.7 mm (c 5 x 4 mm in fruit), broadly ovate, acuminate at apex, acuminate to caudate at apex in fruit; lower lobe c 3 x 1.5 mm (c 5 x 3 mm in fruit), oblong to oblanceolate, or obovoid, bidentate at apex. Corolla yellow, purple streaked; upper lip up to 4 mm long, oblong, constricted at middle, crested across on ventral surface, ciliate at lower margin, obtuse at apex; lower lip up to 6 mm across, suborbicular to ovate, hairy in throat, gibbous at base, rounded to truncate at apex; spur up to 5 mm long, curved and acute at apex. Stamens c 1 mm long; filaments twisted; anther thecae

distinct. Pistil c 1.2 mm long; ovary ovoid; style short; stigma 2-lipped. Capsules c 3 x 2.2 mm, ovoid, dehisce by a marginally thickened vertical slit; placenta c 2 mm long, ovoid. Seeds subglobose to obovoid; hilum terminal, prominent; testa reticulate, cells oblong.

**Fl. & Fr.:** August-November.

**Habitat:** Terrestrial herb in wet or marshy places in open ground up to an elevation of 3,300 m.

**Chromosomes:**  $n = 7$  (Subramanyam & Kamble, 1968 - as *U. scandens*, the specimen from Shillong alone).

**Pollen:** 4-colporate,  $21 \times 25 \mu$  (Taylor, 1989).

**Distribution:** **India** - Endemic of Khasi hills and Himalayas: recorded from Uttar Pradesh, Sikkim, Arunachal Pradesh, Assam and Meghalaya. Nepal, Bhutan, India & Southwest China.

**Notes:** *Utricularia recta* is allied to *U. scandens* Benj. but differs in its erect inflorescence and unequal calyx-lobes in fruit. The specific epithet "recta" is based on its rather stiffy erect inflorescence.

### References:

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Janarthanam, M.K. & Henry, A.N. 1992. Bladderworts of India. Pp. 89-9.

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Taylor, P. 1989. The genus *Utricularia* – a taxonomic monograph. *Kew Bull. Add. Ser.* 14: 1-724.