

## (II) ***Bothriochloa insculpta* (Hochst. Ex. A. Rich.) A. Camus (Poaceae) : A new record for the flora of Telangana, India**

While exploring the floral diversity of Kinnerasani Wildlife Sanctuary, Telangana, the first author collected interesting grass specimens from Bhadradi-Kothagudem district, which on critical study were identified as *Bothriochloa insculpta* (Hochst. ex A. Rich.) A. Camus belonging to the family of Poaceae (Gramineae). The perusal of relevant literature revealed that this species was not reported from Telangana (Pullaiah, 2015; Reddy and Reddy, 2016) and hence reported here as new distributional record to the flora of Telangana. Detailed description and photo plate are provided to facilitate its easy identification. Voucher specimens are deposited at Botanical Survey of India, Deccan Regional Centre (BSID), Hyderabad, Telangana.

### Taxonomic treatment

***Bothriochloa insculpta*** (Hochst. ex A. Rich.) A. Camus in Ann. Soc. Linn. Lyon Ser. 2, 76: 165. 1931; Bor, Grasses Burma, Ceylon, India & Pakistan 107. 1960; Karthik. *et al.*, Fl. Ind. Enum. Monocot. 189. 1989. *Andropogon insculptus* Hochst. ex A. Rich., Tent. Fl. Abyss. 2: 458. 1851. *A. pertusus* (L.) Willd. var. *insculptus* (Hochst. ex A. Rich.) Hack. in A. DC. & C. DC., Monogr. Phan. 6: 482. 1889; Hook. f., Fl. Brit. India 7: 174. 1896. *Amphilophis insculpta* (Hochst. ex A. Rich.) Stapf in Prain, Fl. Trop. Africa 9 (1): 176. 1917. *Dichanthium insculptum* (Hochst. ex A. Rich.) Clayton in Kew Bull. 32 (1): 3. 1977.

Perennials. Culms tufted, erect to decumbent, 25 - 80 cm high, smooth; nodes bearded, whitish. Leaf blade usually basal, linear-lanceolate, 3 - 12 x ca. 0.4 cm, acuminate to attenuate, cartilaginous and serrulate at margins, midnerve prominent, sparsely tuberculate hairy, slightly aromatic when fresh; ligule 1 - 1.2 mm long, membranous with fimbriate hairs at apex; leaf sheath 3 - 5 cm long, terete to keeled, sparsely tuberculate hairy towards base, mouth sparsely bearded. Inflorescence of 1 - 6 digitate to subdigitate 3 - 10 cm long racemes, nodes hairy; peduncle 5 - 23 cm long, smooth. Spikelets two together, one sessile which is fertile and other pedicelled, purplish green; joints and pedicels similar, 1.5 - 2.5 mm long, solid, with median translucent furrow at times appearing as a dark purple line, hairy along margins hairs ca. 1.2 mm long; entire spikelet disarticulating from joints and pedicels; callus bearded ca. 1.2 mm long. Sessile spikelet oblong to ovate-lanceolate, acuminate, awned, chartaceous, yellowish green to purplish at

maturity. Lower glume oblong-lanceolate, 3 - 3.5 x ca. 1 mm, glabrous, acute to acuminate, chartaceous, 9 - 11-nerved; 2-keeled above middle and inrolled below, keel pectinate to scabrid, 1-pitted, greenish yellow to purplish. Upper glume ovate-lanceolate, 3 - 4 x ca. 1 mm, acuminate, boat shaped, margins infolded and ciliate above middle, chartaceous, 3-nerved, greenish yellow. Lower lemma oblong to lanceolate, 2.8 - 3 x ca. 0.8 mm, acute to obtuse, membranous, hyaline, nerveless. Upper lemma reduced to hyaline base of awn, 1.5 - 2 x ca. 0.3 mm; awn geniculate, column 6 - 8 mm, twisted, ciliate, rufous, bristle 3 - 7 mm long, barbellate. Lodicules 0.2 - 0.3 mm long, membranous,



Fig. 1: *Bothriochloa insculpta* (Hochst. ex A. Rich.) A. Camus A. Habit, B. Roots with lower portion of plant. C. Node. D. Leaf blade. E. Inflorescence. F - G. Portion of racemes. H. Spikelets. I. Lower glume of sessile spikelet. J. Lower glume of pedicelled spikelet.