

## Species Data Sheet

Datasheet No. A-098.014.001  
(family.genus.species)

DBT- Networ

**1. Taxon:** *Isolepis* R. Br.  
Species: *Isolepis setacea* (L.) R. Br.  
Subspecies  
Variety  
Cultivar  
Hybrid

Image file

**2. Synonyms:** *Cyperus setaceus* (L.) Missbach & E.H.L.Krause, nom. illeg., *Isolepis monandra* Link, *Isolepis pleurocarpa* Hochst. ex Boiss., *Isolepis setacea* subsp. *gracillima* Nyman, *Isolepis setacea* var. *aberdarica* R.W.Haines & Lye, *Mariscus setaceus* (L.) Moench., *Schoenoplectus setaceus* (L.) Palla, *Scirpus clathratus* Rchb., *Scirpus gracillimus* Kohts, nom. illeg., *Scirpus setaceus* L., *Scirpus setaceus* var. *clathratus* (Rchb.) A.Terracc., *Scirpus setaceus* var. *dignus* Boeckeler, *Scirpus setaceus* var. *gracillimus* (Nyman) A.Terracc., *Scirpus setaceus* var. *major* Lej., *Scirpus setaceus* var. *minimus* Gaudin

### 3. Systematic position:

#### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Isolepis* R. Br.
- Species: *Isolepis setacea* (L.) R. Br.

#### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Isolepis* R. Br.  
Species: *Isolepis setacea* (L.) R. Br.

### 4. Distribution:

**Global:** America, India, Sri Lanka

**India:** Assam

**5. Indigenous/Exotic/Endemic; Cultivated/Wild:** Indigenous / Wild

### 6. Threat Status:

**IUCN:** Least Concern

**BSI:**

**7. Habit and Habitat:** Herb

**8. Life Form:** Annual or Perennial

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

**C-value**

**Methodology:**

**12. Basic chromosome number(s):**  $x=14^1$

**13. Zygotic chromosome number(s):**  $2n=26^{4,8}28^{2,3,4,5,7,9}32^{10}56^6$

**14. Gametic chromosome number(s):**  $n=13^414^{1,7,9}$

**15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):**

Image file

**16. Ploidy level:** Diploid<sup>1,7,9</sup>

Image file

**17. Agametoploidy:**

**18. Nature of polyploidy (auto, segmental, allo, autoallo):**

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):** Aneuploidy<sup>7,9</sup>

**21. Somatic chromosomes:**

**Karyotype:**

**Chromosome size:**

**NOR chromosome(s):**

**Degree of asymmetry:**

Image file

**22. Banding pattern(s):**

Image file

**23. Physical mapping of chromosomes:**

**In situ hybridization**

Image file

**Fluorescent in situ hybridization**

Image file

**24. Genomic in situ hybridization:**

Image file

**25. Linkage map:**

Image file

**26. Chromosome associations:**

**Female meiosis:**

**Male meiosis:** 14II<sup>1,7,9</sup>

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level:**

Image file

**DNA level**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):**