

# Genus Data Sheet

Datasheet No. A-098.014  
(family,genus,species)

DBT- Network Programme

1. Genus:*Isolepis* R. Br.

3. Systematic position:

**APG IV (2016)**

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

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division:Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Isolepis* R. Br.

3. Species:

Global:69

India:01

4. Taxonomic riddles:

5. Distribution:

Global:America, India, and Sri Lanka

India:Assam

6. Habit and Habitat:Herb

7.Economic Importance:

8. DNA content range:

Methodology

2C: 4C:

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

10. Zygotic chromosome number(s): $2n=26^4,828^{2,3,4,5,7,9}32^{10}56^6$

**11. Gametic chromosome number(s):** $n=13^4 14^{1,7,9}$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):**

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

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

**15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**Aneupolidy<sup>7,9</sup>

**16. Karyograms:**

**Meiosis:**

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

**18. Physical mapping of chromosomes:**GISH:

**19. Phylogenetic relationship at Chromosomal; DNA level:**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:**