

# Species Datasheet

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**Datasheet No. P-002.002.002**  
- **(family.genus.species)**

**DBT- Network Programme**

## 1.Taxon:

**Species:** *Isoetes indica* Pant & Srivastava (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms: Nil

## 3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Lycopodiidae Bek.
- Order: Isoetales Prantl
- Family: Isoetaceae Reichenb.
- Subfamily:
- Genus: *Isoetes* L.
- Species: *Isoetes indica* Pant & Srivastava (unresolved)
- Subspecies:
- Variety:

## 4.Distribution:

**Global:**India, Thailand, Sri Lanka, Vietnam

**India:** Karnataka ,Tamil Nadu, Kerala, Karnataka, Maharashtra, Gujarat, Madhya Pradesh, Uttar Pradesh, Bihar, Orissa, West Bengal

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

## 6.Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**Grows around shallow ponds

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=11^{2, 11, 13}$

**13. Zygotic chromosome number(s):** $2n=44+1f^{2, 11, 13}$

**14. Gametic chromosome number(s):**

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

Image file

**16.Ploidy level:**Tetraploid<sup>2, 11, 13</sup>

Image file

**17.Agametoploidy:**

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

**19.Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**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** Tetraploid  $44I+1f^{11, 13}$

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.):**