

# Species Datasheet      CalU+SUK-Phase I

Datasheet No. A-028.026.002  
(family.genus.species)

DBT- Network Programme

-

## 1. Taxon:

Species: *Spirodela punctata* (E. Mey.) Thompson

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Landoltia punctata* (G.Mey.) Les & D.J.Crawford, *Lemna biperforata* W.D.J.Koch, *L. punctata* G.Mey., *Spirodela biperforata* W.Koch, *S. intermedia* W.Koch

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocot
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Spirodela* Schleid.
- Species: *S. punctata* (E. Mey.) Thompson

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Nudiflorae  
Ordo: Lemnaceae Gray  
Genus: *Spirodela* Schleid.  
Species: *S. punctata* (E. Mey.) Thompson

## 4. Distribution:

**Global:** Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, El India, Salvador, Panamá, Paraguay, Peru, Puerto Rico, Suriname, Uruguay, Venezuela, Bangladesh, Illinois, Kentucky, Leeward Island, Portugal, Spain, Tennessee

**India:** Assam

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

## 6. Threat Status:

IUCN:

BSI

**7. Habit and Habitat:** Aquatic herb; found in forest and woodland, savanna, shrubland, native grassland, wetlands

**8. Life Form:** Hydrophyte

**9. Economic Importance:** Used as fodder plant of ducks; it is also eaten by some fishes

**10. Probable Progenitor of:**

**11. DNA**

**C- value**

**Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n=20^1$ ;  $2n=30^1$ ;  $2n=40^1$

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

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

Image file

**16. Ploidy level:**

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**

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; Translocations etc):**