

# Species Datasheet

Datasheet No. P-017.001.001

(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Pilularia americana* A.Braun

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Calamistrum americanum* Kuntze

*Pilularia mandonii* A. Br.

## 3. Systematic Position:

**Christenhusz 2011**

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Salviniales Bartl. in Mart
- Family: Marsiliaceae Mirb. in Lamb & Mirb.
- Subfamily:
- Genus: *Pilularia* L.
- Species: *Pilularia americana* A.Braun
- Subspecies:

## 4. Distribution:

**Global:** throughout much of California and south-central Oregon.

**India:**

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**fronds essentially consist of the stems only, aquatic

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=10^1$

**13. Zygotic chromosome number(s):** $2n=18,20^2$

**14. Gametic chromosome number(s):** $n=10^1$

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

Image file

**16.Ploidy level:**Diploid (sexual)<sup>1, 2</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 10II<sup>1</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.):**