

# Species Data Sheet

Datasheet No. A-098.022.026  
(family.genus.species)

DBT- Network Programme

**1. Taxon:** *Pycreus* P. Beauv

Species: *Pycreus sanguinolentus* (Vahl) Nees ex C.B.Cl.

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Cyperus sanguinolentus* Vahl, *Cyperus albidus* Lam., *Cyperus areolatus* R.Br., *Cyperus atratus* Steud., *Cyperus concolor* Steud., *Cyperus eragrostis* Vahl, nom. illeg.

**3. Systematic position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Pycreus* P. Beauv
- Species: *Pycreus sanguinolentus*

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Pycreus* P. Beauv  
Species: *Pycreus sanguinolentus*

**4. Distribution:**

**Global:** Africa, Bangladesh, Bhutan, Myanmar, Sri Lanka, Nepal and Pakistan

**India:** Tamil Nadu, Kerala, Maharashtra, Karnataka, Andhra Pradesh, Meghalaya, Kashmir, Bihar, Assam, Uttar Pradesh, Sikkim, Orissa, Punjab, Rajasthan, Goa, Gujarat and Andaman and Nicobar Islands

**5. Indigenous/Exotic/Endemic; Cultivated/Wild:** 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):  $x=5^{12}8^{9,13}$

13. Zygotic chromosome number(s):  $2n=50^{7,10,12}$

14. Gametic chromosome number(s):  $n=24^{2,3,11,13}25^{2,3,4,7,8,9}$

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

Image file

16. Ploidy level: Hexaploid<sup>9,13</sup> Decaploid<sup>12</sup>

Image file

17. Agamete ploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:

Karyotype: Metacentric and Submetacentric<sup>12</sup>

Chromosome size: Small size<sup>12</sup>

NOR chromosome(s): 2NOR<sup>12</sup>

Degree of asymmetry: Symmetrical<sup>12</sup>

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:**  $24\Pi^{2,13}25\Pi^{2,9}$

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):**