

Species Datasheet

Datasheet No. A-086.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Canna flaccida* Salisb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Canna flaccida* Roscoe, *C. flava* Michx. ex Lam., *C. glauca* var. *flaccida* (Salisb.) Willd., *C. glauca* var. *flava* (Michx. ex Lam.) Willd., *C. reevesii* Lindl., *Eurystylus flaccida* (Salisb.) Bouché, *E. flaccidus* (Salisb.) Bouché, *E. reevesii* (Lindl.) Bouché

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Zingiberales Griseb.
- Family: Cannaceae Juss.
- Genus: *Canna* L.
- Species: *C. flaccida* Salisb.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Scitamineae
Genus: *Canna* L.
Species: *C. flaccida* Salisb.

4. Distribution:

Global: Alabama, Brazil, Caribbean, Cuba, Dominican Republic, Florida, Georgia, India, Louisiana, Malesia, Mexico, Panamá, Peru, Philippines, South Carolina, Texas, USA

India: Peninsular India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Grows naturally in wetlands, including marshes, savannas, and the edges of ponds and lakes

8. Life Form: Rhizomatous geophyte

9. Economic Importance: Ornamental plant and also used many times in hybridization.

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. **Zygotic chromosome number(s):** $2n= 18^{3,15,20}$

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, aneusomy, polysomy):**

21. **Somatic chromosomes:**

Karyotype: Majority metacentric chromosomes²⁰

Chromosome size:

NOR chromosome(s):

Degree of asymmetry: Symmetrical²⁰

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):