

Species Datasheet

Datasheet No. A-073.003.009
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Crinum malabaricum* Lekhak & S.R. Yadav
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms:

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Genus: *Crinum* L.
Species: *C. malabaricum* Lekhak & S.R. Yadav

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Amaryllideae Dumort.
Genus: *Crinum* L.
Species: *C. malabaricum* Lekhak & S.R. Yadav

4. Distribution:

Global: India

India: Kasaragod district, Kerala.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb, grows in a seasonal running stream

8. Life Form: Bulbous geophytes

9. Economic Importance:

10. Probable Progenitor of: Highest content of Galanthamine alkaloid

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 44$ ²⁶

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid²⁶

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:

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):