

Species Datasheet

Datasheet No. A-074.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Drimia govindappae* (Boraiah & Fatima) Lekhak & P. B. Yadav

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Urginea govindappae* Boraiah & Fatima

3. Systematic Position:

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Coronarieae

Ordo: Liliaceae Juss.

Genus: *Drimia* Jacq.

Species: *D. govindappae* (Boraiah & Fatima) Lekhak & P.B. Yadav

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Asparagaceae Juss.
- Subfamily: Scilloideae Burnett
- Genus: *Drimia* Jacq.
- Species: *D. govindappae* (Boraiah & Fatima) Lekhak & P.B. Yadav

4. Distribution:

Global: Asia

India: South India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb, Tropical Dry Forest

8. **Life Form:** Bulbous geophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C- value

Methodology

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

13. **Zygotic chromosome number(s):** $2n=20$ ^{21, 30, 38}

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/ Sex chromosomes/ Polytene chromosomes/ Neocentric chromosomes): B chromosomes (7) ²¹

Image file

16. Ploidy level: Diploid ²¹

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 Majority subtelocentric chromosomes ²¹

Chromosome size Small to very large ²¹

NOR chromosome(s)

Degree of asymmetry: Stebbin's 1b class ²¹

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):