

Species Datasheet

Datasheet No. P-015.001.002

(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Anemia schimperiana* C.Presl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Anemiaaethiopica Pic. Serm.

Anemiatomentosa var. *schimperiana* (C. Presl) T. Moore

Anemiawightiana Gardner

Hemianemiaschimperiana (C. Presl) C.F. Reed

Hemianemiaschimperiana var. *wightiana* (Gardner) C.F. Reed

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Schizaeales Shimp
- Family: Anemiaceae Link
- Subfamily:
- Genus: *Anemia* Sw.
- Species: *Anemia schimperiana* C.Presl
- Subspecies:

4.Distribution:

Global:Ethiopia (Northeast Tropical Africa), Congo (Kinshasa), Sudan, Eritrea ,Somalia

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=38^{2, 5, 6}$

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

14. Gametic chromosome number(s): $n=38^{5, 6}, 76^2$

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

Image file

16.Ploidylevel:Diploid (sexual)^{5, 6}, Tetraploid (sexual)²

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 Diploid: $38\text{II}^{5,6}$,

Tetraploid: 76II^2

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.):