

Species Datasheet

Datasheet No. A-028.005.014
(family.genus.species)

DBT- Network Programme

-

1. Taxon:

Species *Arisaema flavum* (Forssk.) Schott

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Arisaema abbreviatum* Schott, *A. flavum* subsp. *abbreviatum* (Schott) J.Murata, *A. flavum* subsp. *Flavum*, *A. pertusum* Riedl, *Arum flavum* Forssk., *Dochafa flava* (Forssk.) Schott

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Arisaema* Mart.
- Species: *A. flavum* (Forssk.) Schott

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Juss.
Genus: *Arisaema* Mart.
Species: *A. flavum* (Forssk.) Schott

4. Distribution:

Global: Afghanistan, Africa Northeast, Africa, Arabian, China South-Central, China, Ethiopia, India, Nepal, Oman, Pakistan, Peninsula, Saudi Arabia, Somalia, Tibet, Western Asia, Yemen

India: East and West Himalaya

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

6. Threat Status:

IUCN: Not yet accessed

BSI:

7. Habit and Habitat: Perennial tuberous herbs grow in evergreen forest floor.

8. Life Form: Tuberous Geophyte

9. Economic Importance: Folk medicine

10. Probable Progenitor of:

11. DNA

C- value

1C (5.06 pg)³⁹
2C (10.12 pg)³⁹
4C (20.242 pg)³⁹

Methodology

Flow cytometry³⁹

12. Basic chromosome number(s):**13. Zygotic chromosome number(s):** $2n=56$ ^{34,40}**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, 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

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):