Species Datasheet

Datasheet No. A-078.010.001
(family.genus.species)

DBT- Network Programme

1. Taxon:
Species**:** *Murdannia blumei* (Hassk.) Brenan
Subspecies**:**
Variety**:**
Cultivar**:**
Hybrid**:**
Image file

2. Synonyms: *Aneilema blumei* (Hassk.) Bakh.f., *A. hamiltonianum* Wall. ex C.B.Clarke, *A. hamiltonianum* var. *minus* C.B.Clarke, *Callisia orientalis* Buch.-Ham. ex Wall., *Commelina callisia* Steud., *Dichaespermum blumei* Hassk., *D. repens* C.B.Clarke, *Murdannia hamiltoniana* (Wall. ex C.B.Clarke) G.Brückn., *Phaeneilema hamiltonianum* (Wall. ex C.B.Clarke) G.Brückn.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Murdannia* Royle
- Species: *M. blumei* (Hassk.) Brenan

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Murdannia* Royle
Species: *M. blumei* (Hassk.) Brenan

4. Distribution:

Global: Indian Subcontinent to Jawa

India: Arunachal Pradesh, Assam, Meghalaya

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

6. Threat Status:

IUCN: Not been assessed yet

BSI:

7. Habit and Habitat: Herb. Tropical moist forest, marshy ponds, rock pools, along the running streams.

8. Life Form: Therophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

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):