

Species Datasheet

Datasheet No. A-073.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Habranthus tubispathus* (L'Hér.) Traub
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Amaryllis andersonii* (Herb. ex Lindl.) Griseb., *A. depauperata* Poepp., *A. tubispatha* L'Hér., *Arviela tubispatha* (L'Hér.) Salisb., *Atamasco texana* (Herb.) Greene, *A. tubispatha* (L'Hér.) M.Gómez, *Habranthus andersonii* Herb. ex Lindl., *H. andersonii* var. *aureus* Herb., *H. andersonii* var. *brevilimbus* Lindl., *H. andersonii* var. *cupreus* Herb., *H. andersonii* var. *obscurus* Lindl., *H. andersonii* var. *parvulus* Herb., *H. andersonii* var. *texanus* (Herb.) Herb., *H. parvulus* (Herb.) Pritz., *H. texanus* (Herb.) Herb. ex Steud., *H. tubispathus* f. *bicolor* (Ravenna) Traub, *H. tubispathus* var. *bicolor* Ravenna, *H. tubispathus* subsp. *macranthus* Ravenna, *H. tubispathus* f. *roseus* (Ravenna) Traub, *H. tubispathus* var. *roseus* Ravenna, *H. tubispathus* subsp. *variabilis* Ravenna, *H. variabilis* (Ravenna) Ravenna, *Hippeastrum andersonii* (Herb. ex Lindl.) Baker, *H. texanum* (Herb.) Baker, *H. tubispathum* (L'Hér.) Baker, *Zephyranthes andersonii* (Herb. ex Lindl.) Benth. & Hook.f, *Z. andersonii* (Herb. ex Lindl.) Baker, *Z. andersonii* var. *rosea* E.Holmb., *Z. commersoniana* Herb., *Z. texana* Herb., *Z. texana* (Herb.) Baker, *Z. tubispatha* (L'Hér.) Herb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Genus: *Habranthus* Herb.
- Species: *H. tubispathus* (L'Hér.) Traub

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Amaryllideae Dumort.
Genus: *Habranthus* Herb.
Species: *H. tubispathus* (L'Hér.) Traub

4. Distribution:

Global: South Brazil to North East Argentina

India:

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Mediterranean Forest, woodlands and Scrub

8. Life Form: Bulbous geophytes

9. Economic Importance: Ornamental and medicinal

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=24$ ^{1,2,3,4,5,6}
 $2n=48$ ^{5,7}

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, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype: Majority submetacentric chromosomes³

Chromosome size

NOR chromosome(s): 6 NOR³

Degree of asymmetry: Symmetrical³

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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):