

# Genus Datasheet

DatasheetNo. A-073.006  
(Family.Genus)

DBT- Network Progr

1. Genus: *Zephyranthes* Herb.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Genus: *Zephyranthes* Herb.

Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Epigynae  
Ordo: Amaryllideae Dumort.  
Genus: *Zephyranthes* Herb.

3. Species:

Global:88

India:2

4. Taxonomic riddles:

5. Distribution:

Global: Tropical& Subtropical America

India: Naturalized in several parts of India

6. Habit and Habitat: Herb. Tropical Dry Forest

7. Economic Importance: Ornamental and medicinal

8. DNA content range:

Methodology:

2C

4C

9. Basic chromosome number(s):  $x=6^{3,5,6}$

10. Zygotic chromosome number(s):  $2n=12^7$

$2n=24^{5,6}$

$2n=46^8$

$2n=48^{1,2,3,4}$

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neocentric chromosomes):

13. Ploidy level: Hyperhexaploid<sup>3</sup>, Polyploidy<sup>5,6</sup>, Tetraploid<sup>6</sup>

14. Nature of polyploidy (auto, segmental, allo, autoallo): Allopolyploid<sup>3</sup>

Autopolyploid<sup>6</sup>

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty): Aneuploidy<sup>5</sup>

16. Karyograms:<sup>4,5,6</sup>

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism(s) underlying evolution:

21. Linkage map:

22. Any other information: Pollen stainability- 88.1%<sup>3</sup>

