

Species Datasheet

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Datasheet No. P-042.009.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Sphaerostephanos unitus* (L.) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumcucullatum Blume

Cyclosorusunitus (L.) Ching

Dryopterisunita (L.) Kuntze

Nephrodiumcucullatum (Blume) Baker

Nephrodiuminsculptum Desv.

Nephrodiumleuconeuron Fée

Thelypterisunita C.V. Morton

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Sphaerostephanos* J.Sm.
- Species: *Sphaerostephanos unitus* (L.) Holttum
- Subspecies:
- Variety:

4.Distribution:

Global: Jawa (Jawa); Malaya; Sumatera (Sumatera); Thailand (Thailand) Burma: Ceylon: E. Africa: Guam: Lesser Sunda Is: Luzon: Mindanao: N. Queensland: N.E. India: S. India: S.W. Celebes: W. New Guinea:

E. Africa; Mascarene Islands; Sri Lanka, South and Northeast India, Myanmar, Thailand; Malesia (Malaya, Sumatra, Java, S.W. Celebes, Lesser Sunda Is., few specimens from Luzon and Mindanao, 1 from W. New Guinea); Guam, N. Queensland.

India: South and Northeast India

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

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): $x=36^{3, 7, 8, 9, 10, 11, 12}$

13. Zygotic chromosome number(s): $2n=72^{11, 12}$

14. Gametic chromosome number(s): $n=36^{3, 7, 8, 9, 10}$

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

Image file

16.Ploidylevel:Diploid (sexual) ^{3, 7, 8, 9, 10, 11, 12}

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 $36\text{II}^3, 7, 8, 9, 10$

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.):