Species Datasheet

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Datasheet No. P-051.026.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Microsorum punctatum* (L.) Copel.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Acrostichumpunctatum L. f.
Acrostichumpunctatum L.
Colysisirioides (Poir.) J. Sm.
Drynariairioides (Poir.) J. Sm.
*Drynariapolycarpa*Brack.
Microsorumirioides (Poir.) Fée
Microsorumirregulare Link
Microsorumneoguineense (Copel.) Copel.
Microsorumpolycarpon (Cav.) Tardieu
*Microsorumsessile*Fée
Microsorumsubirideum (Christ) Copel.
Microsorumsuperficiale var. *australiense* (F.M. Bailey) S.B. Andrews
Microsorumvalidum (Copel.) Ching
Niphoboluspolycarpus (Cav.) Spreng.
Phymatodesirioides (Poir.) C. Presl
Phymatodeslingulata (Sw.) C. Presl
Phymatodespolycarpus (Cav.) C. Presl
Pleopeltisirioides (Poir.) T. Moore
Pleopeltismillisora (Baker) Alderw.
Pleopeltisneoguineensis (Copel.) Alderw.
Pleopeltispolycarpa (Cav.) T. Moore
Pleopeltispunctata (L.) Bedd.
Pleopeltissessilis T. Moore
Pleopeltisvalida (Copel.) Alderw.
*Polypodiumaspidistrifrons*Hayata
*Polypodiumcrassinerve*Schumach.

*Polypodiumirioides*Poir.
Polypodiumirioides f. *cristatum* F.M. Bailey
Polypodiumlingulatum Sw.
Polypodiummillisorum Baker
*Polypodiumneoguineense*Copel.
Polypodiumpolycarpon Cav.
Polypodiumpunctatum subsp. *subdrynariaceum* Christ
Polypodiumpunctatum var. *subdrynariaceum* (Christ) Alderw.
Polypodiumpunctatum subsp. *subirideum* Christ
Polypodiumpunctatum var. *subirideum* (Christ) Alderw.
Polypodiumsuperficiale var. *australiense* F.M. Bailey
*Polypodiumvalidum*Copel.

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl& C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Microsorum* Link
- Species: *Microsorum punctatum* (L.) Copel.
- Subspecies:
- Variety:

4.Distribution:

Global:

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[1, 5, 20, 34, 36]

13. Zygotic chromosome number(s):2n=72[8, 19, 34]

14. Gametic chromosome number(s):n=36[1, 5, 20, 34, 36] ,

72[1, 16]

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

Image file

16.Ploidy level: Diploid (sexual)[1, 5, 8, 19, 20, 34, 36] ,

Tetraploid (sexual)[1, 16]

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 Diploid: 36II[1, 5, 20, 34, 36] ,

Tetraploid: 72II [1, 16]

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;Translocationsetc.):