

Species Datasheet

Datasheet No. A-061.057.005
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Goodyerafusca* (Lindl.) Hook.f

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Cystorchisfusca* \(Lindl.\) Benth. & Hook.f](#)

[*Epipactisfusca* \(Lindl.\) A.A.Eaton](#)

[*Hetaerisfusca* Lindl.](#)

[*Orchiodesfuscum* \(Lindl.\) Kuntze](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Cranichideae
- Subtribe: Goodyerinae
- Genus: *Goodyera* R.Br.
- Species: *Goodyera fusca* (Lindl.) Hook.f

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Neottieae

Subtribus: Spiranthaeae

Genus: *Goodyera* R.Br.

Species: *Goodyera fusca* (Lindl.) Hook.f

4. Distribution:

Global: India (western and eastern Himalayas, Assam), the Chinese Himalayas, Nepal and Myanmar

India: Distributed from Kumaon to Sikkim 3700m

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial herb, grows on black humus rich soil under Rhododendron trees, 3700m

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=16$ ^{9, 18, 19, 20, 45}

13. Zygotic chromosome number(s): $2n=32+2B$ ^{9, 18, 19, 20, 45}

14. Gametic chromosome number(s): $n=16$ ⁴⁵

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes):0-2B's in root tip mitosis^{9, 19, 20}

Image file

16.Ploidy level:Diploid^{9, 18, 19, 20, 45}

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 14 II_s+1 IV³⁶

Image file

27. Chromosome distribution at anaphase I: 16:16 segregation at A-I³⁶

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):