

Species Datasheet

Datasheet No. A-377.001.022
(family.genus.species)

DBT- N

1.Taxon:

Species: *Andrographis producta* (C.B. Clarke) Gamble
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Andrographis neesiana* var. *producta* C. B. Clarke.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Andrographis* Wall. ex Nees
- Species: *A.producta* (C.B. Clarke) Gamble

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Andrographis* Wall. ex Nees
- Species: *A.producta* (C.B. Clarke) Gamble

4.Distribution:

Global: India.

India: Karnataka, Kerala, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb, moist deciduous and evergreen forests between (550 and 1800m).

8. Life Form: Chamaephytes

9.Economic Importance: Medicinal

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=

14. Gametic chromosome number(s):n=

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

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, aneusomaty, polysomaty):
- 21.Somatic chromosomes:
- Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry:
- Image file
22. Banding pattern(s):
- Image file
- 23Physicalmappingofchromosomes:
- 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
- 27.Chromosome distribution at anaphase I:
28. Pollen Stain ability (%):
29. Genetic diversity:
- Chromosomal level

DNA level
30. Any other information:(Translocations; Inversion; Female meiosis; Male meiosis; Male sterility)