Species Datasheet

Datasheet No. A-403.018.001 **DBT-** 1
(family.genus.species)

1.Taxon:

Species: *Callistephuschinensis*(L.) Nees
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Amellusspeciosus*Gaterau,*Asterchinensis* L.,*A.lacinians*Borbas,*A.regalis*Salisb.,*Asteriscodeschinense* (L.) Kuntze,*A.chinensis* (L.) Kuntze,*Brachyactischinensis* (L.) Bureau &Franch.,*Callistemmachinensis* (L.) Skeels,*C.hortense*Cass.,*Callistephushortensis* (Cass.) Cass.,*C.lacinians*Borbas,*Diplopappuschinensis* (L.) Less.

3. Systematic Position:

APG IV (2016)

- Kingdom:Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: AsteraceaeBercht. & J. Presl
- Genus: *Callistephus*Cass.
- Species: *C.chinensis*(L.) Nees

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Callistephus*Cass.
Species: *C.chinensis*(L.) Nees

4.Distribution:

Global: Argentina, Australia, Brazil, Canada, China, El Salvador, Honduras, Japan, Mexico, New Zealand, North Korea, Peru, South Korea, Suriname, USA

India: Cultivated

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Herb.

8.Life Form: Chamaephytes

9.Economic Importance: Grown in gardens as ornamental

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n= 18 [1-6]

14. Gametic chromosome number(s):n= 9[7]

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

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:4

Karyotype Majority metacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetry Symmetrical

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

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.):