

Species Datasheet

Datasheet No. A-403.023.001
(family.genus.species)

DBT-1

1.Taxon:

Species: *Coreopsis tinctoria* Nutt.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:**[*Bidenstinctoria* \(Nutt.\) Baill.](#), [*Calliopsisatkinsoniana* \(Douglas ex Lindl.\) Hook.](#), [*C.atropurpurea* Hort. ex Steud.](#), [*C.bicolor* Rchb.](#), [*C.cardaminefolia* DC.](#), [*C.tinctoria* \(Nutt.\) DC.](#), [*Coreopsisatkinsoniana* Douglas ex Lindl.](#), [*C.bicolor* \(Rchb.\) Bosse ex Buchenau.](#), [*C.cardaminefolia* \(DC.\) Torr. & A.Gray.](#), [*C.cardaminefolia* var. *cardaminefolia*](#), [*C.gracilis* Blanco](#), [*C.tinctoria* var. *atkinsoniana* \(Douglas ex Lindl.\) H.M.Parker ex E.B.Sm.](#), [*C.tinctoria* f. *atropurpurea* \(Hook.\) Fernald](#), [*C.tinctoria* var. *imminuta* Sherff](#), [*C.tinctoria* var. *similis* \(F.E.Boynton\) H.M.Parker ex E.B.Sm.](#), [*C.tinctoria* var. *similis* H.M.Parker](#), [*C.tinctoria* var. *tinctoria*](#), [*C.tinctoria* f. *tinctoria*](#), [*Diplosasteratinctoria* \(Nutt.\) Tausch](#)

3. Systematic Position:

APG IV (2016)

- Kingdom:Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Coreopsis* L.
- Species: *C.tinctoria* Nutt.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Coreopsis* L.
Species: *C.tinctoria* Nutt.

4.Distribution:

Global:Canada, China, Costa Rica, El Salvador, Guatemala, Honduras, India, South Africa, USA

India:Cultivated

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Herbs.

8.Life Form:Chamaephytes

9.Economic Importance:Grown in gardens

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 24^{1-5}$, $2n = 26^{6, 7}$

14. Gametic chromosome number(s): $n = 12^{8, 9}$, $n = 13^{10}$

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:

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level¹¹

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