

Species Datasheet

Datasheet No. A-140.043.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Gueldenstaedtiaverna* (Georgi) Boriss.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Amblytropis verna* Kitag., *Amblytropis delavayi* (Franch.) C.Y. Wu ex H.B. Cui,

Amblytropis maritima (Maxim.) Kitag., *Amblytropis pauciflora* (Pall.) Kitag., *Amblytropis stenophylla* (Bunge) Kitag.,

Amblytropis verna (Georgi) Kitag., *Astragalus biflorus* Pall., *Astragalus brevicarinatus* DC., *Astragalus cavaleriei* H. Lév.,

Astragalus mirpoureanus Cambess., *Astragalus vernus* Georgi, *Gueldenstaedtia brachyptera* Pamp.,

Gueldenstaedtia brachyptera var. *elongata* (Pavol.) Pamp., *Gueldenstaedtia delavayi* f. *alba* H.B. Cui, *Gueldenstaedtia delavayi* Franch.,

Gueldenstaedtia gansuensis H.B. Cui, *Gueldenstaedtia giraldii* f. *elongata* Pavol.,

Gueldenstaedtiagiraldii Harms, *Gueldenstaedtia giraldii* subsp. *glabra* JacotGuill., *Gueldenstaedtia giraldii* var. *alba* JacotGuill.,

Gueldenstaedtia gracilis H.B. Cui,

Gueldenstaedtiaguillonii Franch., *Gueldenstaedtia harmsii* Ulbr., *Gueldenstaedtia maritima* Maxim., *Gueldenstaedtia multiflora* Bunge,

Gueldenstaedtia multiflora f. *alba* F.Z. Li, *Gueldenstaedtia multiflora* var. *maritima* (Maxim.)

JacotGuill., *Gueldenstaedtia pauciflora* (Pall.) Fisch., *Gueldenstaedtia pauciflora* (Pall.) Fisch. ex DC., *Gueldenstaedtia pauciflora* (Pall.)

Fisch., *Gueldenstaedtia pauciflora* (Pall.) Fisch. ex DC., *Gueldenstaedtia stenophylla* Bunge, *Gueldenstaedtia verna* f. *alba* (H.B. Cui) P.C.

Li, *Gueldenstaedtia verna* f. *multiflora* (Bunge) H.B. Cui, *Gueldenstaedtia verna* subsp. *multiflora* (Bunge) H.B. Cui,

Gueldenstaedtia verna f. *alba* (H.B. Cui) P.C. Li

3. Systematic Position: APG IV; Bentham and Hooker:

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Polypetalae

Series: Calyciflorae

Cohors: Rosales Bercht. & J. Presl

Ordo: Leguminosae Juss.

Subordo: Papilionaceae Giseke

Genus: *Gueldenstaedtia* Fisch.

Species: *Gueldenstaedtiaverna* (Georgi) Boriss.

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Genus: *Gueldenstaedtia* Fisch.
- Species: *Gueldenstaedtiaverna* (Georgi) Boriss.

4. Distribution:

Global China, India, Laos, Mongolia, Pakistan, South Korea, Myanmar

India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^{2,3,4,5,6}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

Image file

17. Agamete ploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 level

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