Species Datasheet

Datasheet No. A-403.069.003 **DBT-** 1
(family.genus.species)

1.Taxon:

Species: *Cotula australis*(Sieber ex Spreng.) Hook.f.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Anacyclusaustralis*Sieber ex Spreng., *Cotulavenosa* Colenso, *Lancisiaaustralis* (Sieber ex Spreng.) Rydb., *Solivatenella*A.Cunn., *Strongylospermaaustrale* (Sieber ex Spreng.) Less.

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: *Cotula* L.
- Species: *C. australis*(Sieber ex Spreng.) Hook.f.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Cotula* L.
Species: *C.australis*(Sieber ex Spreng.)Hook.f.

4.Distribution:

Global: Argentina, Australia, Bolivia, Canada, Chile, China, Colombia, Ecuador,Guatemala, Mexico, New Zealand,Peru, South Africa, USA, Uruguay

India: Arunachal Pradesh, Himachal Pradesh, Kerala, Meghalaya, Tamil Nadu, Uttar Pradesh, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Herb, Wide spread weed among rivers, marshy places etc. between 1500- 2000m.

8.Life Form: Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-value **Methodology**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n= 36 [3,4], 2n=40 [5,6]

14. Gametic chromosome number(s):n= 18[7,8]

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 level

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