

Genus Datasheet
DBT- Network Programme

Datasheet No. A-403.069
(family.Genus)

1. Genus:*Cotula* L.

2. 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.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Cotula* L.

3. Species:

Global: 62

India: 6

4. Taxonomic riddles:

5. Distribution:

Global: Burma, Cambodia, China, India, Indonesia, Laos, Nepal, Pakistan, Thailand and Vietnam

India: Central East & North India, Gangetic Plains, Himalaya

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6. Habit and Habitat: Herb. Found in marshy places

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=16^{19}$, $2n=18^{20}$, $2n=20^{1,2,3,9-12,16,17,18}$,

$2n=36^{2,3,4}$, $2n=40^{5,6}$

11. Gametic chromosome number(s): $n=8^{19,21}$, $n=10^{2,13-16}$, $n=18^{2,7,8}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ 1 chromosomes):

13. Ploidy level:

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: Meiosis: 2, 7, 8, 13-16, 19, 21

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Chromosome number is not reported in the following taxa:

Cotula aurea Loefl.