

Genus Datasheet
DBT- Network Programme

Datasheet No. A-403.020
(family.Genus)

1. Genus: *Carpesium* 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: *Carpesium* L.

Bentham and Hooker (1862)

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

3. Species:

Global: 24

India: 6

4. Taxonomic riddles:

5. Distribution:

Global: Austria, Afghanistan, Azerbaijan, Bhutan, Burma, China, Georgia, Hungary, India, Iran, Italy, Japan, Nepal, North Korea, Pakistan, Russian Federation, South Korea, Turkey, Vietnam, Yugoslavia

India: Himalaya, Himachal Pradesh, Jammu & Kashmir, Sikkim, Uttar Pradesh

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6. Habit and Habitat: Herb.

7. Economic Importance: Medicinal

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n = 36^{1,2}$, $2n = 40^{3,5,6}$, $2n = 54^4$

11. Gametic chromosome number(s):

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:

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:

Carpesium napalense Less.

Carpesium napalense var. *nepalense*.

Carpesium napalense var. *ciliatum* (Hook.f.) Sarv. Kumar

Carpesium napalense var. *griffithii* (Hook. f.) Sarv. Kumar

Carpesium napalense var. *lanatum* (Hook. f. & Thomson ex C.B. Clarke) Kitam.

Carpesium napalense var. *nilagiricum* (C.B. Clarke) Sarv. Kumar

Carpesium pedunculatum Wall. ex DC.

Carpesium pubescens Wall. ex DC.

