

Genus Datasheet
DBT- Network Programme

Datasheet No. A-403.017
(family.Genus)

1. Genus: *Calendula* 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: *Calendula* L.

Bentham and Hooker (1862)

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

3. Species:

Global: 12

India: 2

4. Taxonomic riddles:

5. Distribution:

Global: Argentina, Australia, Bolivia, Brazil, Chile, China, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Mexico, New Zealand, Peru, USA

India: Kashmir, Western Himalaya

6. Habit and Habitat: Herb.

7. Economic Importance:

8. DNA content range: Methodology

2C(5.41 pg) ¹Flow cytometry

9. Basic chromosome number(s): $x=8^{13}$

10. Zygotic chromosome number(s): $2n=28^{3,14}$, $2n=32^{5,15,16,17}$, $2n=36^{2,3,4}$, $2n=44^{1,5-10}$

11. Gametic chromosome number(s): $n=22$ ¹¹, $n=16$ ¹³

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:^{11,13}

17. Banding pattern(s):

18. Physical mapping of Chromosomes:GISH:

19. Phylogenetic relationship at:
Chromosomal level DNA level¹⁹

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: