

## Species Datasheet

Datasheet No. A-403.069.005  
(family.genus.species)

DBT-1

### 1. Taxon:

Species: *Cotula hemisphaerica* Wall. ex Benth. & Hook.f.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Artemisia hemisphaerica* Roxb., *Cotula hemisphaerica* Wall., *Ethulia nepalensis* Spreng. ex DC.

### 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. hemisphaerica* (Roxb.) Wall.  
ex C.B. Clarke

#### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Gamopetalae  
Series: Inferae  
Cohors: Asterales Link  
Ordo: Compositae Giseke  
Genus: *Cotula* L.  
Species: *C. hemisphaerica* (Roxb.)  
Wall. ex C.B. Clarke

### 4. Distribution:

**Global:** Bhutan, Burma, Cambodia, China, India, Laos, Nepal, Pakistan, Thailand, Vietnam

**India:** East North & North East India through Upper Gangetic Plains & sub Himalayan tracts.

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

### 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herb. A weed of paddy fields

**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):**  $2n = 20^{2,16,17,18}$

**14. Gametic chromosome number(s):**  $n = 10^{2,16}$

**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; Translocation etc.):**