

Species Datasheet

Datasheet No. A-403.060.003
(family.genus.species)

DBT- 1

1. Taxon:

Species: *Acmella uliginosa* (Sw.) Cass.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Caleasavannarum* Standl. & Steyerl., *Ceratocephalus acmella* var. *depauperata* Kuntze, *C. acmella* var. *uliginosa* (Sw.) Kuntze, *Coreopsis acmella* var. *uliginosa* (Sw.) E.H.L. Krause, *Spilanthes acmella* var. *uliginosa* (Sw.) Baker, *S. lundii* DeCandolle, *S. lundii* DC., *S. uliginosa* Sw., *S. uliginosa* var. *discoidea* Aristeg., *S. uliginosa* var. *uliginosa*

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: *Acmella* Rich. ex Pers.
- Species: *A. uliginosa* (Sw.) Cass.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Acmella* Rich. ex Pers.
Species: *A. uliginosa* (Sw.) Cass.

4. Distribution:

Global: American Samoa, Bolivia, Brazil, Burma, Cameroon, Caribbean, Central African Republic, China, French Guiana, Ghana, Guinea, Guyana, Honduras, India, Java, Liberia, Malaysia, Nepal, New Guinea, Panama, Philippines, Sarawak, Senegal, Sierra Leone, Sri Lanka, Sulawesi, Sumatra, Suriname, Tanzania, Thailand, USA, Venezuela,

India: Andaman and Nicobar Islands, East, North, and South India, Himalaya

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Erect annual herb. Found on damp ground in moist forests, in swampy sites, in grassland near rivers, and is considered a weed in rice fields.

8. Life Form: Chamaephytes

9. Economic Importance: Used for its medicinal properties.

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n= 26^1$

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 level²

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