

Species Datasheet

Datasheet No. A-416.023.006 DBT-Network Program
(family.genus.species)

1. Taxon:

Species: *Hydrocotylesibthorpioides* Lam.

Subspecies

Variety

Cultivar

Hybrid

Image File

2. Synonyms: *Chondrocarpusibthorpioides* (Lam.) Sweet, *Hydrocotyle americana* var. *monticola* (Hook.f.) Hiern, *H. confuse* H. Wolff, *H. ecostate* Collett & Hemsl., *H. formosana* Masam., *H. gracilentia* Hook.f., *H. keelungensis* Tang S.Liu, CYChao & T.I. Chuang, *H. latisecta* Zoll., *H. minima* Hochst. ex A. Rich., *H. monticola* Hook.f., *H. nitidula* A. Rich., *H. peduncularis* R.Br. ex A. Rich., *H. peduncularis* var. *gracilentia* (Hook.f.) Benth., *H. perexigua* Hance, *H. puncticulata* Miq., *H. rotundifolia* Roxb. ex DC., *H. sibthorpioides* var. *sibthorpioides*, *H. splendens* Blume, *H. tenella* D. Don, *H. zollingeri* Molke.

3. Systematic Position:

APG-IV (2016)

- Kingdom: Plantae
- Clade : Angiosperms
- Clade : Eudicot
- Clade: Asteroids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Hydrocotyle* Tourn. ex L.
- Species: *H. sibthorpioides* Lam.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Hydrocotyle* Tourn. ex L.
- Species: *H. sibthorpioides* Lam.

4. Distribution:

Global: Angola, Bangladesh, Borneo, Burundi, Cameroon, China, Congo, Ethiopia, Guinea, Gulf of Guinea Is., Hainan, India, Japan, Jawa, Kenya, Korea, Laos, Lesser Sunda Is., Malawi, Malaya, Maluku, Mozambique, Myanmar, Nansei-shoto, Nepal, New Guinea, New South Wales, Ogasawara-shoto, Pakistan, Palestine, Philippines, Queensland, Rwanda, Sri Lanka, Sudan, Sulawesi, Sumatera, Taiwan, Tanzania, Tasmania, Thailand, Togo, Uganda, Victoria, Vietnam, West Himalaya, Yemen, Zambia, Zaïre, Zimbabwe

India: Assam, Andhra Pradesh, Arunachal Pradesh, Jammu and Kashmir, Kerala, Karnataka, Meghalaya, Madhya Pradesh, Manipur, Sikkim, Tripura, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN: Least concern

BSI

7. Habit and Habitat: Delicate slender creeping herb; marshy areas in grasslands

8. Life-Form:

9. Economic Importance: Young leaves and shoots are cooked as vegetable especially with small fish etc., also prepare chutney. Leaves are used in healing wounds of man and animals.

10. Probable progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=18^{10}$; $2n=24^{11,12,13,14}$

14. Gametic chromosome number(s): $n=12^{14,15}$

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

meiosis of the male

Image File

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image File

DNA Levels

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