

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.009.025
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Bupleurum ramosissimum* Wight & Arn.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Bupleurum falcatum* var. *ramosissimum* (Wight & Arn.) Dalzell & A. Gibson, *B. mucronatum* Wight & Arn., *B. mucronatum* f. *ramosissimum* (Wight & Arn.) C.B. Clarke, *B. nervosum* Moon, *B. ramosissimum* f. *virgatum* (Wight & Arn.) C.B. Clarke, *B. ramosissimum* var. *mucronatum* Panigrahi & S.C. Mishra, *B. ramosissimum* var. *virgatum* (Clarke) Panigrahi & S.C. Mishra, *B. ramosissimum* var. *wightii* Bennet, *B. virgatum* Wight & Arn., *B. wightii* P.K. Mukh., *B. wightii* var. *ramosissimum* (Wight & Arn.) Chandrab

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Bupleurum* L.
- Species: *B. ramosissimum* Wight & Arn.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Bupleurum* L.
- Species: *B. ramosissimum* Wight & Arn.

4. Distribution:

Global: India, Sri Lanka

India:

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

6. Threat Status:

IUCN
BSI

7. Habit and Habitat:Herb

8. Life Form:Hemicryptophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=14^{15}$

14. Gametic chromosome number(s): $n=7^{15}$

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

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):