

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.009.026
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Bupleurum rotundifolium* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Bupleurum rotundifolium* Schousb., *B. rotundifolium* var. *alpinum* Lapeyr., *B. rotundifolium* var. *intermedium* Loisel., *B. rotundifolium* subsp. *intermedium* (Loisel.) DC., *B. rotundifolium* var. *minus* Brot., *B. rotundifolium* f. *oblongum* Bornm. ex H. Wolff, *B. rotundifolium* var. *protractum* (Hoffmanns. & Link) Munby, *B. rotundifolium* var. *subovatum* (Link ex Spreng.) Fiori & Paol.

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. rotundifolium* L.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Albania, Algeria, Austria, Belarus, Belgium, Bulgaria, Czechoslovakia, France, Germany, Greece, Hungary, Iran, Italy, Kirgizstan, Krym, Morocco, Poland, Romania, Sardegna, Sicilia, South European Russia, Spain, Switzerland, Turkey, Turkmenistan, Ukraine, Yugoslavia, Alabama, Altay, Amur, Baltic States, Denmark, Great Britain, Illinois, Kentucky, Netherlands Antilles, Northern Provinces, Norway, Primorye, Tennessee, West Siberia

India: North West Himalaya

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb; Cornfields, waste places and waysides, often as a weed of cultivated land

8. Life Form:Hemicryptophyte

9. Economic Importance:A tincture of the leaves has been used in the treatment of wound

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^{6,16}$

14. Gametic chromosome number(s): $n=8^{17}$

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):