

# Species Datasheet

Datasheet No. A-140.094.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Lupinus albus* L.  
Subspecies  
Variety  
Cultivar  
Hybrid

Image file

## 2. Synonyms:

## 3. Systematic Position: APG IV; Bentham and Hooker:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Lupinus* L.
- Species: *Lupinus albus* L.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: Rosales Bercht. & J. Presl  
Ordo: Leguminosae Juss.  
Subordo: Papilionaceae Giseke  
Genus: *Lupinus* L.  
Species: *Lupinus albus* L.

## 4. Distribution:

Global : Europe, Asia

## India

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

## 6. Threat Status:

IUCN

BSI

## 7. Habit and Habitat: Erect. Herbaceous

## 8. Life Form:

9. Economic Importance: Human food. Green manure. Forage

## 10. Probable Progenitor of:

## 11. DNA

C-value Methodology

2C(1.16 pg)<sup>1</sup>

Flow Cytometry

## 12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n= 50<sup>1-6</sup>, 2n=48<sup>7</sup>

14. Gametic chromosome number(s): n=24<sup>7</sup>

**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, aneusomy, polysomy):**

**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: 18S-25S rDNA<sup>2</sup>**

Image file

**24.Genomic in situ hybridization:**

Image file

**25. Linkage map:<sup>8,9</sup>**

Image file

**26.Chromosome associations:**

**Female meiosis**

**Male meiosis<sup>24</sup> $\Pi$ <sup>7</sup>**

Image file

**27.Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level<sup>10,11</sup>**

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