

# Species Datasheet

Datasheet No. A-073.002.033  
(family.genus.species)

DBT- Network Programme

-

## 1. Taxon:

Species *Allium sikkimense* Baker

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Allium cyaneum* var. *brachystemon* Regel, *A. kansuense* Regel, *A. tibeticum* Rendle

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Subfamily: Allioideae Herb.
- Genus: *Allium* L.
- Species: *A. sikkimense* Baker

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Family: Liliaceae Juss.  
Genus: *Allium* L.  
Species: *A. sikkimense* Baker

## 4. Distribution:

**Global:** Bhutan, China, India, Mongolia, Nepal, Qinghai, Tibet

**India:** Sikkim

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

## 6. Threat Status:

**IUCN:** Not been assessed yet

**BSI:**

7. **Habit and Habitat:** Herbaceous, height ~5-25 cm; Temperate, on open grassy hillsides and on sandy soils along rivers and streams between 3600 m and 5200 m altitude.

**8. Life Form:** Perennial, bulb geophyte

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

C- value

**Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n=16^{45}$

$2n=32^{284,285}$

**14. Gametic chromosome number(s):**

**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; Translocations etc):**