

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-085.002.029
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Musa sikkimensis* Kurz

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Musa hookeri* King ex A.M. & J.M. Cowan, *Musa ×paradisiaca* var. *hookeri* (King) K.Schum., *Musa ×sapientum* f. *hookeri* King

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Commelinids
- Order: Zingiberales Griseb.
- Family: Musaceae Juss.
- Genus: *Musa* L.
- Species: *M. sikkimensis* Kurz

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Epigynae
- Ordo: Scitamineae
- Genus: *Musa* L.
- Species: *M. sikkimensis* Kurz

4. Distribution:

Global: India, Bhutan, Bangladesh, Myanmar

India: Arunachal Pradesh, Manipur, Nagaland, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Large herb; grows at the elevation of 800-1200 m of moist subtropical forest

8. Life Form: Cormous geophyte

9. Economic Importance: Fruits are edible, tender inflorescences are consumed as vegetables

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

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; Translocation etc):