

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-074.005.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species

Subspecies

Variety: *Agave angustifolia* var. *angustifolia*

Cultivar

Hybrid

Image file

2. Synonyms: *Agave aboriginum* Trel.; *A. angustifolia* var. *nivea* (Trel.) Gentry; *A. breedlovei* Gentry; *A. bromeliifolia* Salm-Dyck; *A. costaricana* Gentry; *A. cuspidata* Baker; *A. donnell-smithii* Trel.; *A. elongate* Jacobi; *A. endlichiana* Trel.; *A. excelsa* Jacobi; *A. exselsa* Baker; *A. flaccida* Haw.; *A. flavovirens* Jacobi; *A. houlletii* Jacobi; *A. ixtlioides* Hook.f.; *A. jacquiniana* Schult. & Schult.f.; *A. kirchneriana* A.Berger; *A. lespinassei* Trel.; *A. nivea* Trel.; *A. owenii* I.M.Johnst.; *A. pacifica* Trel.; *A. prainiana* A.Berger; *A. prolifera* Schott ex Standl.; *A. rigida* Mill.; *A. serrulate* Karw.; *A. sicifolia* Trel.; *A. vivipara* var. *bromeliifolia* (Salm-Dyck) A.Terracc.; *A. vivipara* var. *nivea* (Trel.) P.I.Forst.; *A. wightii* J.R.Drumm. & Prain; *A. yaquiana* Trel.; *A. yxtli* Karw. ex G.Don; *A. zapupe* Trel.; *Furcraea rigida* (Mill.) Haw.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Asparagaceae Juss.
- Subfamily: Agavoideae
- Genus: *Agave* L.
- Species: *A. angustifolia* var. *angustifolia*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Amaryllideae
Tribus: Agaveae
Genus: *Agave* L.
Species: *A. angustifolia* var. *angustifolia*

4. Distribution:

Global: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panamá, Bangladesh, Canary Island, Cape Provinces, Caroline Island, Cayman Island, Cuba, Ecuador, India, Leeward Island, Northern Provinces, Pakistan, Puerto Rico, Queensland, Réunion, South China Sea, St. Helena, Tunisia, Venezuelan Antilles, Windward Island

India: Himalayas

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

6. Threat Status:

IUCN: Not evaluated

BSI:

7. Habit and Habitat:

8. Life Form:

9. Economic Importance:

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. Agameteoploidy

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):