

Final Species Datasheet

JamU+CalU+SUK-Phase I

Datasheet No. A-018.002.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species:*Annona reticulata* L.

Subspecies:

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Annona reticulata* var. *mucosa*(Jacq.) Willd., *A. reticulata* var. *primigenia*(Standl. & Steyererm.) Lundell, *A. reticulata* Sieber ex A.DC.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus:*Annona* L.
- Species: *A. reticulata* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Annona* L.
- Species: *A. reticulata* L.

4.Distribution:

Global:Belize, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico Central, Mexico Gulf, Mexico Northeast, Mexico Northwest, Mexico Southeast, Mexico Southwest, Nicaragua, Panamá, Venezuela,Andaman Island, Assam, Bahamas, Bangladesh, Bolivia, Brazil Northeast, Brazil Southeast, Cambodia, Cape Verde, Cayman Island, Christmas I., Cook Island, Cuba, Dominican Republic, Ecuador, Ethiopia, Guinea, Gulf of Guinea Island, Haiti, Jamaica, Laos, Leeward Island, Mauritius, Nauru, Nicobar Island, Peru, Puerto Rico, Réunion, Senegal, Seychelles, Society Island, Solomon Island, Trinidad-Tobago, Tuamotu, Vanuatu, Venezuelan Antilles, Vietnam, Windward Island

India: Andhra Pradesh, Assam, Bihar, Delhi, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Tamil Nadu,Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Tree

8. Life Form: Phanerophytes

9. Economic Importance: Fruits are edible

10. Probable Progenitor of:

11. DNA

C-value Methodology

2C (2.67±0.02 pg)⁸

Feulgen microdensitometry⁸

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=16⁴; 2n=14^{8,9,10}

14. Gametic chromosome number(s): n=7¹¹

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid⁸

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):