

Species Datasheet

Datasheet No. A-140.001.024
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:

Subspecies

Variety: *Arachis hypogaea* subsp. *hypogaea* var. *runner*

Cultivar

Hybrid

Image file

2. Synonyms:

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Arachis* L.
- Species: *A. hypogaea* L.
- Subspecies: *A. hypogaea* subsp. *hypogaea*
- Variety: *A. hypogaea* subsp. *hypogaea* var. *runner*

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: *Arachis* L.

Species: *A. hypogaea* L.

Subspecies: *A. hypogaea* subsp. *hypogaea*

Variety: *A. hypogaea* subsp. *hypogaea* var. *runner*

4. Distribution:

Global: South America

India: Experimental stations

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Herbaceous, Tropical, Subtropical and Warm temperate regions

8. Form:Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

2C (10.79 - 11.65 pg)⁸⁷

Methodology

Feulgenmicrodensitometry

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 40$ ^{18, 87}

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Tetraploid^{18, 87}

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 level¹⁸

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