Species Datasheet

Datasheet No. A-140.001.027
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Arachiskrapovickasii*C.E. Simpson, D. E. Williams,Valls& I.G. Vargas.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Arachis* L.
- Species: *A. krapovickasii* C.E. Simpson, D. E. Williams, Valls & I. G. Vargas.

Bentham and Hooker(1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass:Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo:Papilionaceae Giseke
Genus: *Arachis* L.
Species: *A. krapovickasii* C.E. Simpson, D. E. Williams, Valls& I. G. Vargas.

4.Distribution:

Global: Bolivia

India: Experimental stations

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Herb, Tropicalregions

8.Life Form: Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
2C (2.74pg)[2]	Flow cytometry

12.Basic chromosome number(s):x = 10 [2]

13. Zygotic chromosome number(s):2n = 20[2 , 115]

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level: Diploid [2 , 115]

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:KK [2 , 100]

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:[2 , 100,115]

KaryotypeMajority metacentric / submetacentric chromosomes

Chromosome size Small

NOR chromosome(s)2 - 4

Degree of asymmetry Symmetrical

Image file

22. Banding pattern(s): Heterochromatic DAPI [+]bands[2 , 100]

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:18S - 5.8S - 26S and 5S ribosomal genefamilies [100]

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;Translocationsetc.):