

# Species Datasheet

Datasheet No. A-140.001.034  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Arachis praecox* Krapov., W.C. Gregory & Valls

Subspecies

Variety

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. praecox* Krapov.,  
W.C. Gregory & Valls

### 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. praecox* Krapov.,  
W.C. Gregory & Valls

## 4. Distribution:

**Global:** South America

**India:** Experimental stations

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herbaceous, Tropical regions

**8. Life Form:** Annual

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA;**

**C-value                      Methodology**

2C (3.61pg)<sup>88</sup> Feulgencytophotodensitometry

**12.Basic chromosome number(s):**x = 9<sup>5, 88, 117, 118, 119</sup>

**13. Zygotic chromosome number(s):**2n = 18<sup>5, 26, 28, 88, 117, 118</sup>

**14. Gametic chromosome number(s):**

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

Image file

**16.Ploidy level:**Diploid<sup>5, 26, 28, 88, 117, 118</sup>

Image file

**17.Agametoploidy:**

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

**19.Genomic formula:**BB<sup>26</sup>, GG<sup>117</sup>

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

**21.Somatic chromosomes:**<sup>117, 118</sup>

**Karyotype**Majority metacentric/submetacentric chromosomes

**Chromosome size**Small

**NOR chromosome(s)**2

**Degree of asymmetry**Symmetrical

Image file

**22. Banding pattern(s):** Heterochromatic DAPI<sup>+</sup> bands<sup>117</sup>

Image file

**23.Physical mapping of chromosomes:**

**In situ hybridization**

Image file

**Fluorescent in situ hybridization:** 18S - 5.8S - 26S and 5S ribosomal gene families <sup>117</sup>

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**<sup>26, 28, 51, 57</sup>

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