

# Species Datasheet

Datasheet No. A-140.085.015  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Viciahirsuta* (L.) A. Gray

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Craccahirsuta* (L.) Gennari, *Cracca minor* Godr. & Gren., *Endiusahirsuta* Alef., *Erviliahirsuta* Opiz, *Ervilia vulgaris* Godr., *Ervumfiliforme* Roxb., *Ervumhirsutum* L., *Ervumhirsutum* Lour., *Ervumsardoum* Spreng., *Ervumterronii* Ten., *Viciacoreana* H. Lév., *Viciahirsuta* var. *hefeiana* J.Q. He, *Viciameyeri* Boiss., *Viciamitchellii* Raf., *Viciaparviflora* Lapeyr., *Vicia taquetii* H. Lév., *Viciaterronii* (Ten.) H. Lindb., *Vicioideshirsuta* (L.) Moench

## 3. Systematic Position: APG IV; Bentham and Hooker:

### 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: *Vicia* L.

Species: *Viciahirsuta* (L.) A. Gray

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Vicia* L.
- Species: *Viciahirsuta* (L.) A. Gray

## 4. Distribution:

Global

India

-

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

**6.Threat Status:**

**IUCN**

**BSI**

**7.Habit and Habitat:**Herbaceous

**8.Life Form:**Annual

**9.Economic Importance:**Fodder

**10. Probable Progenitor of:**

**11.DNA**

**C-value**

**Methodology**

2C(8.95pg)<sup>90,91</sup>

Microdensitometer

**12.Basic chromosome number(s):** $x=7^{5, 90,139,156}$

**13. Zygotic chromosome number(s):** $2n= 14^{5,90,104,117,134,139}$

**14. Gametic chromosome number(s):** $n= 6^{156}$

**15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene**

**chromosomes/Neocentric chromosomes):**B chromosomes<sup>5</sup>

Image file

**16.Ploidy level:**Diploid<sup>5, 90,104,117,134,139,156</sup>

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:**<sup>5, 13,29,90,104,117,134,139</sup>

**Karyotype** Majority metacentric /submetacentric chromosomes

**Chromosome size**Medium

**NOR chromosome(s)**2

**Degree of asymmetry** Symmetrical

Image file

**22. Banding pattern(s):**C-banding<sup>134</sup>

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**<sup>29, 44</sup>

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