

# Species Datasheet

Datasheet No. A-074.004.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species *Furcraea foetida* (L.) Haw.

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Agave bulbosa* K.Koch, *A. commelyni* Salm-Dyck, *A. foetida* L., *A. gigantea* (Vent.) D.Dietr. *A. madagascariensis* (Haw.) Salm-Dyck, *Aloe foetida* (L.) Crantz, *Fourcroya gigantea* (Vent.) Hook., *Funium piliferum* Willemet, *Furcraea atroviridis* Jacobi & Goeff., *F. barillettii* Jacobi, *F. commelyni* (Salm-Dyck) Kunth, *F. gigantea* Vent., *F. gigantea* var. *mediopicta* Trel., *F. madagascariensis* Haw., *F. viridis* Hemsl., *F. watsoniana* Sander

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Dioscoreales Mart.
- Family: Asparagaceae Juss.
- Genus: *Furcraea* Vent.
- Species: *F. foetida* (L.) Haw.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Epigynae  
Ordo: Amaryllideae Dumort.  
Genus: *Furcraea* Vent.  
Species: *F. foetida* (L.) Haw.

## 4. Distribution:

**Global:** Costa Rica to N. South America and S. Caribbean

**India:** North to East India

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herb. Grows in tropical dry forest

**8. Life Form:** Phanerophytes

**9. Economic Importance:** Planted for hedges in S. Portugal and naturalized.

**10. Probable Progenitor of:**

## 11. DNA

C- value

Methodology

**12. Basic chromosome number(s):**  $x = 30$ <sup>1,4</sup>

**13. Zygotic chromosome number(s):**  $2n = 18$ <sup>1,2</sup>  
 $2n = 34$ <sup>1</sup>  
 $2n = 60$ <sup>1,3,4,5,6</sup>

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

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

Image file

**16. Ploidy level:** Diploid<sup>1</sup>

Image file

**17. Agametoploidy**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):** Aneuploidy <sup>1</sup>

**21. Somatic chromosomes:**

**Karyotype:** Majority metacentric chromosomes <sup>1</sup>

**Chromosome size:** Very small to medium <sup>1</sup>

**NOR chromosome(s):**

**Degree of asymmetry:** Asymmetrical <sup>1</sup>

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 (Aponixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):**