

# Genus Datasheet

Datasheet No. A-140.013  
(family.Genus)

DBT- Network Programme

1. Genus: *Leucaena* Benth.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Leucaena* Benth.

Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: RosalesBercht. & J. Presl  
Ordo: Leguminosae Juss.  
Subordo: Mimoseae Bronn  
Genus: *Leucaena* Benth.

3. Species:

**Global:**25

**India:**1

4. Taxonomic riddles:

5. Distribution:

**Global:**Africa, Australasia, Central America, Indo-china, South-East Asia.

**India:** Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Diu, Daman, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal, Andaman Island, Nicobar Island

6. Habit and Habitat: Tree. *L. leucocephala* is a weed of open often coastal or riverine habitats

7. Economic Importance: *L. leucocephala* is used in soil enrichment and erosion control, Fodder crop but poisonous to non-ruminants, contains alkaloidmimosine.

**8. DNA content range:**

**Methodology**

**9. Basic chromosome number(s):**

**10. Zygotic chromosome number(s):**  $2n=36^1$   $2n=56^2$ ,  $2n=104^{3-6}$

**11. Gametic chromosome number(s):**  $n=52^{7,8}$

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

**13. Ploidy level:**

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

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

**16. Karyograms:**

**Meiosis:** <sup>7, 8</sup>

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes: GISH:**

**19. Phylogenetic relationship at:**

**Chromosomal level**

**DNA level**<sup>12</sup>

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:**