

# Species Datasheet

Datasheet No. A-403.007.002  
(family.genus.species)

DBT-1

## 1. Taxon:

Species: *Ageratum houstonianum* Mill.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Ageratum conyzoides* subsp. *houstonianum* (Mill.) M.Sharma, *A. conyzoides* subsp. *houstonianum* (Mill.) Sahu, *A. conyzoides* var. *mexicanum* (Sims) DC., *A. houstonianum* var. *angustatum* B.L.Rob., *A. houstonianum* f. *houstonianum*, *A. houstonianum* var. *houstonianum*, *A. houstonianum* f. *luteum* B.L.Rob., *A. houstonianum* f. *niveum* B.L.Rob., *A. mexicanum* Sweet, *A. mexicanum* Sims, *A. mexicanum* f. *caeruleum* Voss, *A. mexicanum* f. *lasseauxii* (Carriere) Voss, *A. mexicanum* var. *majus* Voss, *A. mexicanum* var. *mexicanum*, *A. mexicanum* f. *mexicanum*, *A. mexicanum* var. *nanum* Voss, *A. mexicanum* var. *wendlandii* Voss, *A. mexicanum* f. *wendlandii* Voss, *A. wendlandii* Hort. ex Vilm., *A. wendlandii* Baill., *Cacaliamentrasto* Vell., *Carelia houstoniana* (Mill.) Kuntze

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Ageratum* L.
- Species: *A. houstonianum* Mill.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Gamopetalae  
Series: Inferae  
Cohors: Asterales Link  
Ordo: Compositae Giseke  
Genus: *Ageratum* L.  
Species: *A. houstonianum* Mill.

## 4. Distribution:

**Global:** Belize, Bolivia, Burma, Caribbean, China, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, India, Mexico, Nepal, Nicaragua, Panama, USA

**India:** Arunachal Pradesh, Assam, Bihar, Delhi, Karnataka, Kerala, Maharashtra, Meghalaya, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal

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

## 6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

**C-value Methodology**

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

**13. Zygotic chromosome number(s):**  $2n = 20^{1,2,15,17,18}$ ,  $2n = 40^{19,20}$

**14. Gametic chromosome number(s):**  $n = 10^{15}$

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

Image file

**16. Ploidy level:** Diploid<sup>1,2,15,17,18</sup>, Tetraploid<sup>19,20</sup>

Image file

**17. Agametoploidy:**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**21. Somatic chromosomes:** <sup>15</sup>

**Karyotype** Majority metacentric chromosomes

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry** Symmetrical

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**  $10\text{II}^{15}$

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; Translocation etc.):**