

Species Datasheet

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Datasheet No. A-403.059.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Xanthium spinosum* L.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Acanthoxanthium ambrosioides* (Hook. & Arn.) D.Love, *A. spinosum* (L.) Fourr., *A. spinosum* subsp. *catharticum* (Kunth) D.Love, *A. spinosum* subsp. *spinosum*, *Xanthium ambrosioides* Hook. & Arn., *X. armatum* Humb. & Bonpl. ex Wallr., *X. canescens* (Costa) Widder, *X. medium* Nossotovskiy, *X. multifidum* Larrañaga, *X. spinosum* var. *ambrosioides* (Hook. & Arn.) Love & Dans., *X. spinosum* var. *brachyacanthum* DC., *X. spinosum* var. *canescens* Costa, *X. spinosum* var. *heterocephalum* Widder, *X. spinosum* var. *inermis* Bel, *X. spinosum* f. *laciniatum* Scheuerm. & Thell. ex Widder, *X. spinosum* f. *praecocius* Bitter ex Widder, *X. spinosum* f. *spinosum*, *X. spinosum* var. *spinosum*, *X. spinosum* var. *synacanthum* Widder, *X. xanthocarpon* Wallr.

3. Systematic Position:

APG IV (2016)	Bentham and Hooker (1862)
• Kingdom: Plantae	Kingdom: Plantae
• Clade: Angiosperms	Division: Phanerogamia
• Clade: Eudicots	Class: Dicotyledons
• Clade: Superasterids	Subclass: Gamopetalae
• Clade: Asterids	Series: Inferae
• Order: Asterales Link	Cohors: Asterales Link
• Family: Asteraceae Bercht. & J. Presl	Ordo: Compositae Giseke
• Genus: <i>Xanthium</i> L.	Genus: <i>Xanthium</i> L.
• Species: <i>X. spinosum</i> L.	Species: <i>X. spinosum</i> L.

4. Distribution:

Global: Argentina, Australia, Bolivia, Brazil, Canada, Chile, China, Colombia, Ecuador, South Africa, USA

India: Jammu & Kashmir, Rajasthan, Tamil Nadu, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=36^{1-5}$

14. Gametic chromosome number(s): $n=18^6$

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

Image file

16. Ploidy level:

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:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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 (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc.):