

Species Datasheet

Datasheet No. A-403.059.004
(family.genus.species)

DBT- Networ

1.Taxon:

Species: *Xanthium pungens* Wallr

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Xanthium pensylvanicum* Wallr., *Xanthium pensylvanicum* var. *pensylvanicum*.,
Xanthium pungens var. *pungens*

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

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Xanthium* L.
- Species: *Xanthium pungens* Wallr

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Xanthium* L.
Species: *Xanthium pungens* Wallr

4.Distribution:

Global: Antarctica, Australia, East Africa.

India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Herb, Habitats include cropland (especially corn fields), fallow fields, the floodplain zone of rivers and ponds, degraded meadows that are poorly drained, dried-up mudholes, stabilized areas of beaches and sand dunes, vacant lots, and waste areas.

8.Life Form:Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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; Translocation etc.):