

Species Datasheet

Datasheet No. G-002.007.002
(family.genus.species)

1.Taxon:

Species: *Zamia floridana* A. DC.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms:[*Encephalartospruniferus* Sweet](#), [*P.floridanum* \(A.DC.\) Kuntze](#), [*P.medium* \(Jacq.\) Kuntze](#), [*P.tenue* \(Willd.\) Kuntze](#), [*Zamiaangustifolia* var. *floridana* \(A.DC.\) Regel](#), [*Z.erosa* O.F.Cook & G.N.Collins](#), [*Z.floridana* A. DC.](#), [*Z.floridana* var. *purshiana* J.Schust.](#), [*Z.floridana* f. *silvicola* \(Small\) J.Schust.](#), [*Z.lucayana* Britton](#), [*Z.media* Jacq.](#), [*Z.media* f. *brevipinnata* J.Schust.](#), [*Z.media* f. *calciola* J.Schust.](#), [*Z.media* var. *commeliniana* J.Schust.](#), [*Z.silvicola* Small](#), [*Z.subcoriacea* H.L.Wendl. ex J.Schust.](#), [*Z.tenuis* Willd.](#)

3.Systematic Position:

Christenhuszet *al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Cycadidae Pax
- Order: Cycadales Pers. ex Bercht. & J.Presl
- Family: Zamiaceae Horan.
- Genus: *Zamia* L.
- Species: *Z.integrifolia* L. f.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Cycadaceae Pers.
Tribus: Encephalarteae
Genus: *Zamia* L.
Species: *Z. integrifolia* L. f.

4.Distribution:

Global:[United States](#) ([Florida](#), [Georgia](#)), the [Bahamas](#), [Cuba](#), [Grand Cayman](#) and possibly extinct in [Puerto Rico](#) and [Haiti](#).

India: Planted at Botanical Garden, NBRI, Lucknow, Uttar Pradesh and University of Allahabad, Gujarat.

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

6.Threat Status:

IUCN:[Near Threatened](#)

BSI:

7.Habit and Habitat:*Z. integrifolia* vary from open coastal areas and sand dunes to pinelands and closed canopy oak hammocks to tropical forest. This cycad is most commonly found in soil over limestone and in sand near sea level or in dry pinelands subjected to periodic wildfires.

8.Life Form:Phanerophytes

9.Economic Importance:Horticulture

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=8^{3, 4, 6, 12, 13}$

13. Zygotic chromosome number(s): $2n=16^{3, 6, 12, 13}$

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

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

Image file

16.Ploidy level:Diploid^{3, 6, 12, 13}

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:⁶

Karyotype Mostly median and submedian⁶

Chromosome sizeLarge⁶

NOR chromosome(s)2⁶

Degree of asymmetrySymmetrical⁶

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.):