

Species Datasheet

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Datasheet No. G-007.005.005
(family.genus.species)

1.Taxon:

Species:

Subspecies:

Variety: *Pinus contorta* var. *latifolia* Engelm.

Cultivar:

Hybrid:

Image file

2. Synonyms: *Pinus bourcierii* Carriere, *P. boursieri* Carriere, *P. contorta* var. *bourcierii* (Carriere) House, *P. contorta* var. *hendersonii* Lemmon, *P. contorta* subsp. *latifolia* (Engelm.) Critchf., *P. contorta* var. *yukonensis* W.L.Strong, *P. divaricata* var. *hendersonii* (Lemmon) B.Boivin, *P. divaricata* var. *latifolia* (Engelm. ex S.Watson) B.Boivin, *P. divaricata* var. *musci* B.Boivin, *P. murrayana* var. *sargentii* Mayr, *P. tamrac* A.Murray bis, *P. tenuis* Lemmon

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Pinales Gorozh.
- Family: Pinaceae Spreng.
- Genus: *Pinus* L.
- Species: *P. contorta* Douglas ex Loudon
- Variety: *P. contorta* var. *latifolia* Engelm.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Coniferae

Tribus: Abietineae Eichler

Genus: *Pinus* L.

Species: *P. contorta* Douglas ex Loudon

Variety: *P. contorta* var. *latifolia* Engelm.

4.Distribution:

Global: Western North America

India:

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

6.Threat Status:

IUCN:

BSI:

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: ^{23, 37, 74}

Karyotype Median shortest pair submedian ^{23, 37, 74}

Chromosome size Large ^{23, 37, 74}

NOR chromosome(s) 10 ²³

Degree of asymmetry Symmetrical ^{23, 37, 74}

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 12 II^{29}

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;Translocationsetc.):**