Species Datasheet

Datasheet No. G-007.001.002 DBT- Network Programme
(Family.genus.species)

1.Taxon:
Species: *Abiespindrow*(Royle ex D. Don) Royle
Subspecies:
Variety:
Cultivar:
Hybrid:
Image file:

2. Synonyms:*Abies chiloensis* Carriere, *A. himalayensis* Lavallee, *A. pindrow* var. *intermedia* A.Henry, *A. pindrow* var. *pindrow, A. webbiana* var. *pindrow* (Royle ex D.Don) Brandis, *Picea herbertiana* Madden, *P. pindrow* (Royle ex D.Don) Loudon, *Pinus naphta* Antoine, *P. pindrow* Royle ex D.Don, *P. spectabilis* var. *pindrow* (Royle ex D.Don) Voss, *Taxus lambertiana* Wall.

3.Systematic Position:
Christenhusz*et al.* (2011)
· Class: Equisetopsida C. Agardh
· Subclass:PinidaeCronquist
· Order: PinalesGorozh.
· Family:PinaceaeSpreng. ex F.Rudolphi
· Genus:*Abies*Mill.
· Species: *A. pindrow*(Royle ex D. Don) Royle

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus:Abletlneae
Genus: *Abies*Mill.
Species: *A.pindrow*(Royle ex D. Don) Royle

4.Distribution:
Global: Native of western Himalaya from northeast Afghanistan, North Pakistan and India to central Nepal
India: Jammu & Kashmir, Himachal Pradesh, Uttarakhand,Western Himalayas

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

6.Threat Status:
IUCN: Least concern
BSI:

7.Habit and Habitat: Large evergreen tree(40-60 m tall),*Abiespindrow* is a species of high mountains, occurring between 2,000 m and 3,300 m above sea levelon alpine lithosols.

8.LifeForm: Phanerophytes

9.EconomicImportance: Timber is valuable; used for making fruitcares, planking for ceiling, floor board and shingles for houses in the Himalayan region of India. Ornamental, timber, paper pulp

10. Probable Progenitor of:

11.DNA
C-value Methodology

12.Basic chromosome number(s):x=12[1, 2, 3]

13. Zygotic chromosome number(s):2n=

14. Gametic chromosome number(s):2n=12 (endosperm mitosis) [2, 3]

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

16.Ploidy level: Diploid[2, 3]
Image file

17.Agametoploidy:

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

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somaticchromosomes: Endosperm mitosis [2, 3]
KaryotypeMedian and subterminal[2, 3]
Chromosome size Large[2, 3]
NOR chromosome(s)3 (endosperm mitosis)[2, 3]
Degree of asymmetry Moderately asymmetrical[2, 3]
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;Translocationsetc.):