

# Species Datasheet

Datasheet No. A-140.010.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Halimodendronhalodendron*(Pall.) Druce

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Caraganaargentea* Lam., *Halimodendronargenteum*(Lam.) DC., *H.argenteum* Fisch., *H.cuspidatum* Jaub. & Spach, *H.emarginatum* Jaub. & Spach, *H.speciosum* Carriere, *H.subvirescens* Don, *H.triflorum* Willd., *Robiniahalodendron* Pall.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Halimodendron*Fisch. ex DC.
- Species: *H.halodendron*(Pall.) Druce

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: RosalesBercht. & J. Presl  
Ordo: Leguminosae Juss.  
Subordo: Papilionaceae Giseke  
Genus: *Halimodendron*Fisch. ex DC.  
Species: *H.halodendron*(Pall.) Druce

## 4. Distribution:

**Global:** Afghanistan, Aktyubinsk, Alma-Ata, Andizhan, Argentina, Armenia, Ashkhabad, Astrakhan, Azerbaijan, Azerbaijan, Bukhara, California, Chardzhou, Chimkent, China, Dagestan, Donetsk, Dushanbe, Dzhambul, Dzherkazgan, Fergana, Frunze, Gansu, Gorno-Badakshan, Govi-Altai, Gruzia, Gruzia, Iowa, Iran, Issyk-Kul, Kazakhstan, Khovd, Kirgizstan, Krasnovodsk, Kulyab, Kurgan, Kurgar Tyube, Kzyl-Orda, Leninabad, Mangyshlak, Moldova, Mongolia, Nakhichevan, Namangan, Nei Mongol Zizhiqu, North Dakota, Oklahoma, Osh, Pakistan, Pavlodar, Rostov-Don, Russia, Samarkand, Saratov, Semipalatinsk, Surhandarinskaya, Tadzhikistan, Taldy-Kurgan, Tashauz, Tashkent, Tibet, Turgaiskaya, Turkey, Turkmenistan, Ukraine, United States, Uzbekistan, Volgograd, Voronezh, Vostochno-Kazakhstanskaya, Wyoming, Xinjiang Uygur, Zaporozhye

**India:**

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Perennial shrub. Found in Saline sand, saline soils along rivers, forests.

**8. Life Form:** Phanerophytes

**9. Economic Importance:** Used for erosion control

**10. Probable Progenitor of:**

**11. DNA**

**C-value Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n = 16^{1,2,3,4}$

**14. Gametic chromosome number(s):**

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

Image file

**16. Ploidy level:**

Image file

**17. Agamete ploidy:**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**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):**