

Brachypodium distachyon



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Scientific name: *Brachypodium distachyon*

Common name(s): Purple False Brome

Name as shown in Phylogenies: B. distachyon

Ploidy: Diploid

Description:

Brachypodium distachyon, also known as Purple False Brome, is an annual grass and a member of the Poaceae family, that includes cereals such as rice and maize, and the biofuel crop switchgrass.

Brachypodium distachyon has no direct agricultural value, but it does have a significant experimental utility as it has a short life cycle and minimal growth requirements. It is valued for comparative genomics, genetic mapping, and understanding the physiology of temperate grasses.

Reference(s):

1. International Brachypodium Initiative. Genome sequencing and analysis of the model grass *Brachypodium distachyon*. *Nature*. 2010 Feb 11;463(7282):763-8. doi: [10.1038/nature08747](https://doi.org/10.1038/nature08747).

Genome Database(s):

[Brachypodium genome at Phytozome](#)

[BrachyPan \(pan genomes database\)](#)