

Juglans regia



Image Credit:

[Ann Filmer](#)

Scientific name: *Juglans regia*

Common name(s): common walnut, English walnut, Persian walnut

Name as shown in Phylogenies: walnut

Ploidy: diploid

Description:

Juglans regia, commonly known as English walnut, Persian Walnut or simply walnut, is a large, deciduous tree native to Central Asia. It is the major walnut species cultivated for nut production. The nuts are a rich source of polyunsaturated omega-3 fatty acids, the small phenolic acids gallic and ellagic acid, as well as the complex polyphenols tannins and flavonoids.

Study of *Juglans regia* will help breeding for traits such as yield, disease resistance, drought tolerance, harvest time and nut quality.

Reference(s):

1. Martínez-García PJ, et al. The walnut (*Juglans regia*) genome sequence reveals diversity in genes coding for the biosynthesis of non-structural polyphenols. *Plant J.* 2016 Sep;87(5):507-32. doi: [10.1111/tpj.13207](https://doi.org/10.1111/tpj.13207).

Genome Database(s):

[Hardwood Genomics Project](#)

[TreeGenes](#)