



# TopNut

**Your Global Nut Specialists**

**Potamia Erdin | Factsheet**

# Potamia Erدين Factsheet

**Potamia Erدين is a registered walnut variety originating from Türkiye, noted for its high productivity and adaptability. It requires significantly lower chemical input compared to standard industry varieties, making it a more sustainable option for commercial production.**

This variety performs well in hot climates, including coastal regions, and produces high yields of large, light-coloured nuts. Potamia Erدين features a thin shell and high kernel-to-shell ratio, enhancing processing efficiency. Additionally, its reduced labour requirements further contribute to its commercial appeal.

## Summary

- Precocious variety. It can bear fruit from year 3 or 4, depending on climatic conditions.
- Self-fertile.
- Resistant to most diseases.
- Adapted to hot climates, even close to the ocean.
- Large leaves protect the fruit. The high transpiration rate improves water circulation, cooling down the trees in hot temperatures. Usually, no kaolin applications are required.
- It ripens early to mid-season under Turkish conditions (Izmir and surrounds).



## Nut characteristics:

<b>Fruit size</b>	Large
<b>Shell thickness</b>	Thin. Not very hard.
<b>Ease of fruit removal from shell</b>	Easy
<b>Seed colour</b>	Light
<b>Shelled weight/seed weight</b>	Very high

## Tree characteristics:

<b>Tree size</b>	Medium to large
<b>Leaves</b>	Large leaves, natural cooling mechanism
<b>Productivity</b>	Very precocious and highly productive
<b>Flowering</b>	Early
<b>Growth habit</b>	Vigorous and hardy



### Tree management considerations:

- Potamia Erdin has low annual chilling requirements, and it can easily be cultivated at elevations close to sea level.
- Bud break occurs quite early. It is important that the region where it is cultivated does not experience late frosts during this period.

### Pollination:

- Male flowers bloom before female flowers.
- Variety is self-fertile.

### Management and Plant Breeders' Rights:

- TopNut manages all aspects of the testing, evaluation and protection of Potamia Erdin globally.
- This variety is currently in the testing and evaluation stage. TopNut, as the Master Global Testing Licensee, will test and evaluate this variety in South Africa, the USA, Chile, Argentina, France, and Romania.





## About the variety owner, Bademli Cooperative:

S.S. Ödemiş Bademli Nursery and Agricultural Development Cooperative was established in 1968 by nurserymen coming together, and has become one of the model cooperatives in Türkiye with its activities and work. With approximately 500 members and 150 employees, the cooperative operates in the fields of fruit tree production, rootstock production using tissue culture methods, ornamental plant production, olive oil production, and dairy product production.

Potamia Erdin was discovered in the 2000's by Mr. Erdin Devrim as a border tree on land near the industrial site in the Tire district of Izmir. Subsequently, follow-up on the tree was transferred to the Cooperative, and it was observed in situ by Bademli Cooperative engineers for many years. Later, grafting scions were taken from this tree, propagated, and registered.

In Türkiye's long-established agricultural sector, the cooperative plays an important role in fruit tree production, representing a great success story with its many years of experience and continuous R&D activities.

### Disclaimer:

- The information regarding Potamia Erdin in this factsheet is sourced from Türkiye.
- Results in trials may not be replicated by producers under varying climatic conditions.
- Potamia Erdin shows very promising results, and currently, the variety is being evaluated in South Africa and other countries across the globe.
- Variety performance may vary in different locations, and it may not be suitable for all growing regions.
- TopNut provides this information as a guide only and takes no responsibility for its accuracy and for performance on individual farms.



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