



HADE
BİYOTEKNOLOJİ
Since 2008

Advanced Technology in Agriculture

www.hadebiyoteknoloji.com

ABOUT US



“

Hade Biotechnology Inc. It was established in 2022 in Menemen, Izmir, with the aim of producing disease-free, high-yield, certified, fruit sapling rootstocks true to its name, using the tissue culture method, one of the agricultural biotechnology techniques.

1,500m2 laboratory area established with the implementation system technology infrastructure with an annual production capacity of 10 million; It is fully automated and has become one of the agricultural biotechnology enterprises with the largest production capacity in Turkey with its 15,000 m2 greenhouse area, which includes irrigation, fertilization, heating and cooling systems.

In addition, it provides cloning of endangered plants used in the pharmaceutical and cosmetics industry and the development of new rootstocks and fruit varieties with biotechnological methods.

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10 MILLION

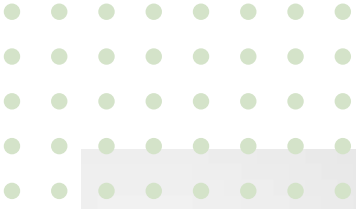
ANNUAL PRODUCTION CAPACITY

15.000 m²

GREENHOUSE AREA

1.500 m²

LABORATORY AREA



CORRECT PRODUCTION WITH THE IMPLEMENTATION SYSTEM TECHNOLOGY



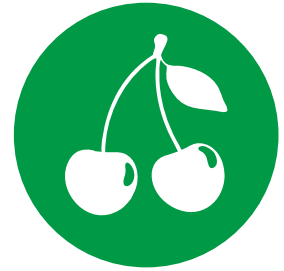
ROOTSTOCKS



Peach Rootstocks



Plum-Apricot Rootstocks



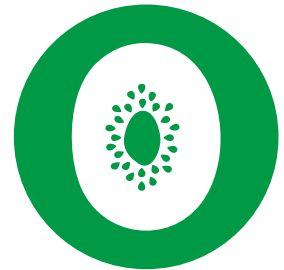
Cherry Rootstock



Pear Rootstocks



Aronia Varieties



Kiwi Varieties



Pistachio rootstock



Walnut Rootstock



Blueberry Varieties

Peach Rootstocks



Garnem

- It is a clonal hybrid of *P. dulcis* x *P. persica*.
- It is resistant to root knot nematodes and tuberous nematodes.
- Graft compatibility performance with peach, nectarine and almond varieties is high and the need for chilling is low.
- Adapts to heavy textured soils.
- It has high resistance against root rot and root collar.
- It is sensitive to ground water and resistant to drought.



GF 677

- It is a clonal hybrid of *P. persica* and *P. Amygdalus*.
- It is a variety preferred in the Mediterranean region and temperate climate.
- It has a strong connection to the soil thanks to its strong root development.
- Peach, nectarine and almond varieties have high graft retention efficiency.
- It is a rootstock resistant to calcareous soils.
- It is sensitive to ground water and resistant to drought.

Plum-Apricot Rootstocks



Myrobolan 29-C

- It is a semi-dwarf rootstock suitable for dense planting.
- It is resistant to root knot nematodes and root cancer.
- It is tolerant to heavy soils and resistant to root rot.
- It is a quality rootstock that is drought tolerant and gives good yields in apricot and plum varieties.



Marianna GF 8-1

- It is a semi-dwarf rootstock compatible with plum and apricot species.
- It can be preferred in wet soils and is resistant to root knot nematodes.
- It is a high-yielding rootstock with medium-vigorous plant growth and good fruit quality.

Pear Rootstocks



OHF 333

- It resists fire blight.
- It is not recommended for use in calcareous, heavy-textured soils with high ground water.
- It is a pear rootstock created by clonal selection of semi-dwarf Oldhome x Farmigdale pear varieties.
- It does not need a support system after planting, and it is a rootstock that requires care in pruning and maintenance.



Fox 11

- It is resistant to calcareous and high pH soils.
- It is a medium-strength, semi-dwarf rootstock and its tree crown volume is 60% of the standard pear rootstock.
- Compared to quince origin rootstocks, it is more resistant to fire blight and the damage is less.
- It has a dense root structure and is one of the strongest rootstock types in terms of clinging to the soil.

Aronia Varieties



Nero

- It is resistant to diseases and pests.
- It starts to bear fruit within a year after planting.
- It is a plant that is in bush form and can grow 1.5-2m tall.
- The water need of the plant increases during the fruit ripening period.



Viking

- It is resistant to diseases and pests.
- It is a variety suitable for fresh consumption and drying.
- It is a plant that is in bush form and can grow 2-2.5m tall.
- Flowering begins in the last week of April and is harvested in the second week of September.

Kiwi Varieties



Hayward

- It grows well in acidic soils with soil pH between 5.5-7.0.
- The climatic conditions required for growing kiwi saplings should be warm in winters and hot and humid in summers.
- It is sensitive to chlorosis and root knot nematodes.
- It is sensitive to calcareous soils, there should be a maximum of 8% lime in the soil.



Matua

- It is sensitive to clayey, heavy and high ground water soils.
- It is not resistant to cold, it needs 100 to 150 hours of cooling.
- In order to obtain high yield, it is recommended to plant with a ratio of 8 to 1 or 10 to 1.
- It is the male kiwi variety that blooms earliest and lasts the longest and is preferred as a general pollinator.

Pistachio Rootstock



UCB 1



- It is resistant to salty soils and resistant to cold.
- It has high tolerance to phytophthora and nematodes.
- It is a highly productive rootstock with 90% graft success.
- With irrigation, the annual shoot length increase is higher than that of normal trees grown on their own.

Walnut Rootstock



VLACH



- It is suitable for use in heavy soils.
- It is a variety resistant to nematodes and other root diseases.
- It is a walnut rootstock developed from Paradox rootstock and propagated by tissue culture method.
- It has a smaller tree crown volume compared to other walnut rootstocks, thus it has positive effects on fruit development.

Cherry Rootstock



Maxma 14



- Prunus mahaleb X Prunus avium clone selection
- It is not preferred in poorly drained and heavy textured soils.
- Root development is strong.
- It is resistant to chlorosis, bacterial cancer and pseudomonas disease.
- It is a rootstock species that shows semi-dwarf development and causes the variety grafted onto it to develop early.
- It is resistant to harsh soil conditions, chlorosis and bacterial cancer.

Blueberry Varieties



- BONUS
- CHANDLER
- BRIGITTA
- LEGACY
- DENIS BLUE
- ELLIOT
- ELIZABETH
- BLUE CROP
- DUKE

FULLY AUTOMATED AGRICULTURAL BIOTECHNOLOGY OPERATION





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+90 232 846 22 71



www.hadebiyoteknoloji.com



satisdestek@hadebiyoteknoloji.com



Cumhuriyet District 136/2 Street No: 10/A Menemen, İzmir / Turkey