

DIKİLİ
Çiftlik

Invitro Fıdan

EN

“

Our Goal is Disease Free & True to Type Production

”



About Us

“

We combined nature with science by adopting an innovative, technological and healthy production approach. With this understanding, we took our place among the largest tissue culture laboratories in Turkey.

”

InvitroFidan Plant Tissue Culture Laboratory, one of the largest tissue culture laboratories in Turkey, has an annual production capacity of 3,000,000 plants with its 1000 m² closed area. In addition to the production area containing 20 tissue culture operators, there is a media preparation room, 4 plant growth rooms, and 1 cold room storage. There is an R&D unit for sterilization, isolation and production of new clones and varieties, and a closed system elite greenhouse for blue certified production.



DIKILI
Çiftlik



The plants are acclimatized to the outside environment after the invitro stage in 5 da of technological acclimatization and 10 da of modern production greenhouses with a seasonal capacity of 2.500.000 plants.

All processes from the entrance of the plants to the laboratory to the sale of the plants are followed by an ERP-based software. In this way, the traceability of the products and the mixing of varieties and clones are prevented.

Invitro Fidan Tissue Culture Laboratory, which has the Private Sector Agricultural Research Establishment Certificate and the Tissue Culture and Seed Producer Certificate issued by the Ministry of Agriculture and Forestry, is also authorized as a nursery organization.



SERVICES



KIRMIZIET
Dikili Çiftlik

AMPHORA
KAPALI YERDE BİYOTEKNOLOJİ

InvitroFidan

InvitroFidan Tissue Culture Laboratory produces disease-free, certified, true to type production materials and seedlings for the plants needed by the agricultural sector. Invitro Fidan Tissue Culture Laboratory closely follows developments in the field of plant biotechnology and conducts various R & D projects. As a result of its R & D studies, it has registered a patent named 'Fully Automated Plant Bioreactor System' with a useful model called 'Bioreactor Feeding Tank'.

The services and products offered by Invitro Fidan Tissue Culture Laboratory include:

- ☛ Consulting Services From Labs to Greenhouse
- ☛ Invitro Plant Materials (In Jars)
- ☛ Potted Plants and Fruit Rootstocks in Viol
- ☛ Virus-Free Certified Production Materials
- ☛ Kiwi (Hayward, Matua, K5, K8), Pomegranate, Fig,
- ☛ Walnut, Pistachio Rootstocks, Hazelnut Saplings
- ☛ Blueberry, Aronia (Viking, Nero)
- ☛ Artichoke and Strawberry Seedlings
- ☛ Potato Mini Tuber, Virus-Free Potato Seedling
- ☛ Indoor and Outdoor Ornamental Plants Seedlings and Saplings

PEACH ROOTSTOCKS



PEACH ROOTSTOCKS

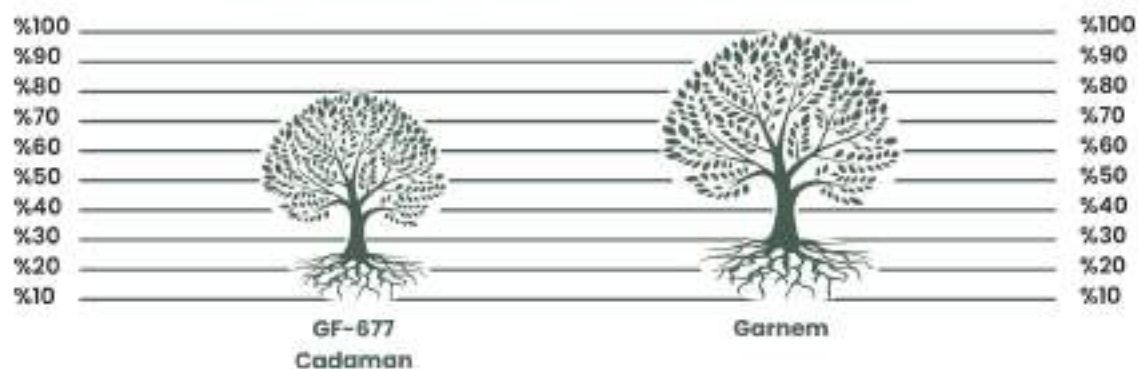
GF-677
GARNEM
CADAMAN



CHARACTERISTICS OF PEACH ROOTSTOCKS

ROOTSTOCKS	TREE VIGOUR	RESISTANCE TO CALCREOUS	RESISTANCE TO GRAUND WATER	RESISTANCE TO DROUGHT	PLANTING DENSITY
Garnem	★★★★★	★★★	★★★★	★★★★	5X4,5 m
Cadaman	★★★★	★★★	★★★	★★★★★	5X4 m
GF-677	★★★★	★★★★★	★★	★★★★★	5X4 m

CANOPY OF PEACH - ALMOND ROOTSTOCKS



Invitro Fidan

CHERRY ROOTSTOCKS



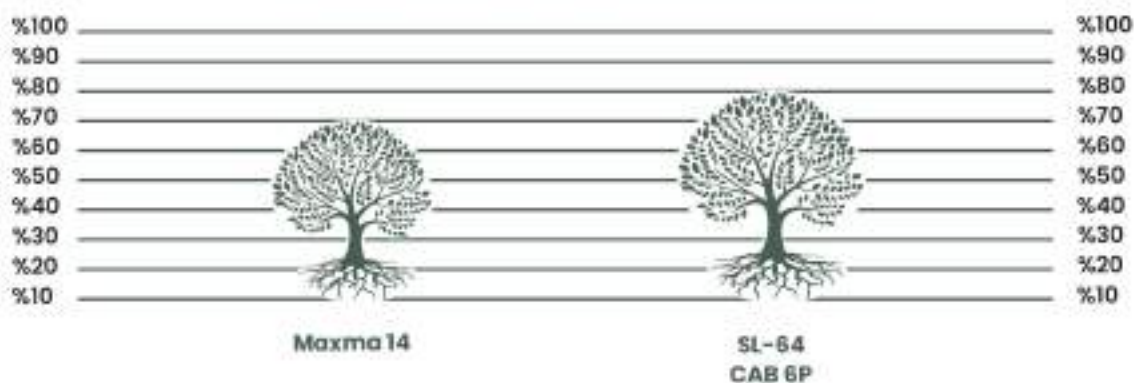
CHERRY ROOTSTOCKS
Maxma 14
CAB 6P
SL-64



CHARACTERISTICS OF CHERRY ROOTSTOCKS

ROOTSTOCKS	TREE VIGOUR	RESISTANCE TO CALCEROUS	RESISTANCE TO GRAUND WATER	RESISTANCE TO DROUGHT	PLANTING DENSITY
Maxma 14	🌿🌿🌿	🌿🌿🌿🌿	🌿🌿🌿🌿	🌿🌿🌿	5X4 m
CAB 6P	🌿🌿🌿🌿	🌿🌿🌿	🌿🌿🌿🌿🌿	🌿🌿🌿	5X4 m
SL-64	🌿🌿🌿🌿	🌿🌿🌿🌿🌿	🌿	🌿🌿🌿🌿🌿	5X4 m

CANOPY OF THE CHERRY ROOTSTOCKS



Invitro Fidan

PLUM AND APRICOT ROOTSTOCKS



PLUM and APRICOT ROOTSTOCKS

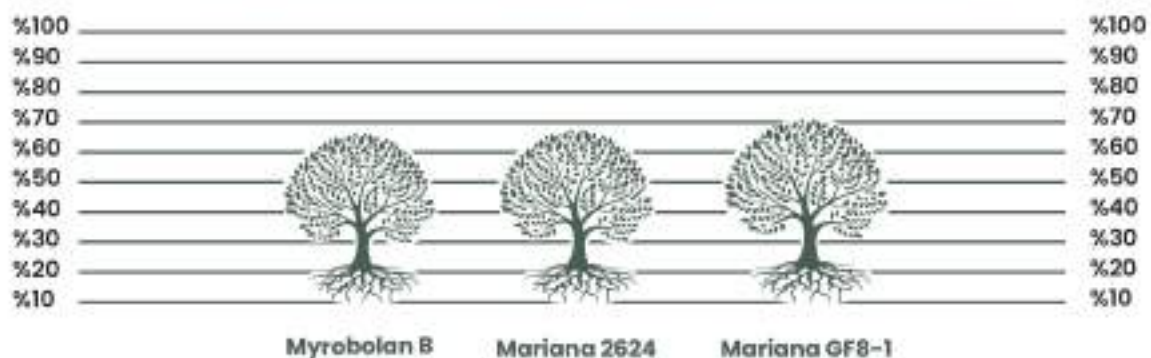
Myrobolan B
Mariana GF8-1
Mariana 2624



CANOPY OF THE PLUM AND APRICOT ROOTSTOCKS

ROOTSTOCKS	TREE VIGOUR	RESISTANCE TO CALCREOUS	RESISTANCE TO GRAUND WATER	RESISTANCE TO DROUGHT	PLANTING DENSITY
Myrobolan B	🌿🌿🌿	🌿🌿🌿	🌿🌿	🌿🌿🌿	5x3 m
Mariana GF8-1	🌿🌿🌿🌿	🌿🌿	🌿🌿	🌿🌿	5x4 m
Mariana 2624	🌿🌿🌿🌿	🌿🌿🌿	🌿🌿🌿	🌿🌿	3x5 m

CANOPY OF THE PLUM AND APRICOT ROOTSTOCKS



InvitroFidan

PEAR AND QUINCE ROOTSTOCKS



PEAR AND QUINCE ROOTSTOCKS

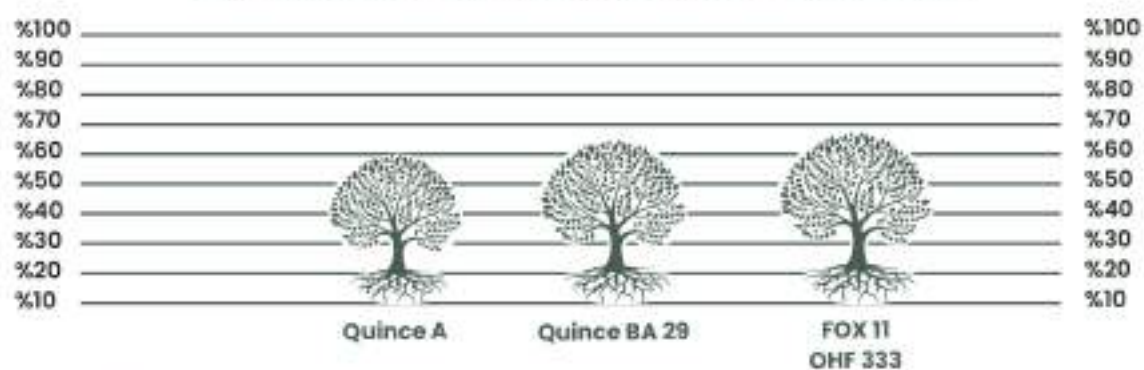
Fox 11
OHF 333
Quince A
Quince BA 29



CHARACTERISTICS OF PEAR ROOTSTOCKS

ROOTSTOCKS	TREE VIGOUR	RESISTANCE TO CALCEROUS	RESISTANCE TO GRAUND WATER	RESISTANCE TO DROUGHT	PLANTING DENSITY
FOX 11	★★★★	★★★★	★★★★	★★★	3,5X2,2 m
OHF 333	★★★★	★★	★★	★★	3,5X2 m
Quince A	★★★	★★	★★★	★★	3x5 m
Quince BA 29	★★★★	★★★	★★★★	★★★	4x1,5 m

CANOPY OF THE PEAR AND QUINCE ROOTSTOCKS



WALNUT- VLACH ROOTSTOCK



It was developed from the rootstock of Paradox (*Juglans hindsii* × *Juglans regia*).

It shows strong growth.

It is highly resistant to heavy soils.

It allows the varieties grafted on it to give larger and more fruit.

It is susceptible to nematodes and resists root infectious diseases.

It has been used in America since 1990.

The tree crown volume is 1.5 times smaller than the other paradox rootstocks RX1 and VX211.

Compared to the RX1 rootstock, it has 20% smaller leaf blades.



PISTACHIO - UCB-1



UCB-1 is a *P.atlantica* X *P.integerrima* hybrid pistachio rootstock developed by the University of California Berkeley.

It is resistant to soil-borne fungal diseases, *Verticillium dahliae*, nematodes and salinity.

It is among the most preferred pistachio rootstock varieties due to its cold tolerance.

Its efficiency is quite high, with a success rate of over 90%.

UCB-1 pistachio rootstock, which develops rapidly, becomes surmountable after 3-4 months in spring. It accelerates plant growth and provides early yield. It is a type of pistachio rootstock with a very high productivity due to irrigation.

It has been determined that the tree crown volume expands from 3 m³ to 38 m³ in the development of the rootstock that has not been grafted on after planting, from 2 to 5 years.

It increases the branch length and graft trunk diameter of the grafted variety by 20%.



FIG-BLACK JACK



Black fig, originating from the Aegean region; It is a parthenocarp table variety resistant to cold, frost, soil and air humidity.

It bears fruit twice a year.

The first harvest is between mid-June and early July, and the second harvest is between the end of July and the end of August.

The fruits have a good appearance, little taste, and a distinctive odour.

The Black Jack, whose shell is purplish black, is a species whose fruit stalk remains in the fruit at harvest. The nuclei are empty.

There is no cracking in the ripe fruit and the fruits are medium-sized and pear-shaped.

Black Jack, which is a medium quality table variety, is frequently preferred by the producers of our country.



Invitro Fidan

Çakıldak Hazelnut Sapling

- ☛ Çakıldak, which is widely grown in Ordu, is known as Delisava in the Western Black Sea region and is widely produced.
- ☛ Since it wakes up much later than our other hazelnut varieties, it is less damaged by late spring frosts, can easily adapt to all kinds of climate and soil conditions, and is quite high in yield.
- ☛ The taste of fruits that are quality of the extremely large and relatively long are not good.
- ☛ They have veined and thick membranes attached to the flesh of the fruit.
- ☛ The flesh is ivory, crisp and the navel cavity is moderately large.
- ☛ Shell fruit average 18.41 mm. length and 17.76 mm. is wide.
- ☛ 1 kg of hazelnuts is equivalent to 580-610 in-shell hazelnuts.
- ☛ The yield is 52-54% and the oil rate is 58-63%.
- ☛ It usually forms 4 pods.



Tombul Hazelnut Sapling

- ☛ It is widely grown in Giresun province and is known as Giresun oily.
- ☛ Tombul hazelnut variety, which shows periodicity, gives regular and very high yields every year in good and well-kept garden conditions.
- ☛ Ripe, the fruit is plump and regularly shaped.
- ☛ It expands towards the table part, narrows regularly towards the tip and ends with a pointed tip.
- ☛ The yield of chubby hazelnuts with an average length of 17.58 mm and a width of 17.04 mm is 50-52%. - The inner fruit membrane (testa) is light brown, shiny, smooth, thin, attached to the flesh and slightly veined.
- ☛ The inner fruit membranes, which are important in storage and transportation, are easily peeled and suitable for whitening.
- ☛ The inner fruit has adapted to the shell shape, the fruit flesh is white shiny and crispy, the belly cavity is small, and the fat ratio is 69-72%.
- ☛ High oil content reduces its resistance to mechanical pressure and causes easy deterioration.
- ☛ 1 kg of in-shell hazelnuts corresponds to 670 - 730 in-shell hazelnuts, mostly forming 3 or 4 pods.





Palaz Hazelnut Sapling

- Palaz hazelnut variety, which has a medium taste and quality, is widely grown in Ordu and Samsun provinces.
- Its fruit, which is rather large than Tombul hazelnut, is plump, round and flat, the table part is wide, and the tip is pubescent.
- The average length of the fruits is 16.01 mm and 19.26 mm width, and the skin of the fruits is dull brown.
- The shell thickness is 1.16 mm on average and it breaks easily.
- On the inner fruit, there is a brown, thin and fleshy membrane.
- The fruit is white and the belly cavity is relatively large.
- 1 kg of hazelnuts corresponds to 600-650 in-shell hazelnuts and its yield is 49-51% and its oil rate is 64-68%. It usually forms 2 or 4 clumps.
- It grows even in clay, sandy and pebbly soils with less soil depth, since its roots develop outcrop and more to the sides.



Kara Hazelnut Sapling

- Kara hazelnut, whose synonym is Karayađlı, is a very productive variety.
- It is widely produced in Akçakoca region.
- It has a high adaptability.
- Harvesting is late in the middle season compared to Tombul.
- Kara hazelnut variety with a high wrinkled kernel has a high periodicity tendency.
- It has a durable structure against diseases and pests.
- Kara hazelnut seedlings are not affected by late spring frosts.
- The maturity period of the flowers is less than other species.



AMERICAN VINE ROOTSTOCKS

41B
1103 Paulsen
Ramsey

MEDICINAL AND AROMATIC PLANTS

Lavandula stoechas L.
Hypericum triquetrifolium
Melissa officinalis
Astragalus
Stevia
Ruscus

VEGETABLE PLANTS

Artichoke
Strawberry
Potato Mini Tubers

BLUEBERRY

Bluegold
Bluecrop
Duke
Darrow
Patriot
Chandler
Brigitta
O'neal
Bluejay
Jubilee

ORNAMENTAL PLANTS

Nandina
Phormium
Magnolia
Spathiphyllum
Anthurium
Loropetalum
Draena
Gerbera
Rose Rootstocks and Varieties
Clove

ARONIA

Nero
Viking

BANANA

Azman
Şimşek
Grand Nain

KIWI

Hayward
Matua

PERSIMMON

AVOCADO

BLACKBERRY

RASPBERRY

POMEGRANATE

CRANBERRY



DİKİLİ
Çiftlik

Invitro Fidan



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