



Lab



irgeler®
F İ D A N C I L İ K



OUR LABORATORY

Irgeler Agricultural Products has been at the forefront of fruit sapling production in Turkey for over 70 years, consistently introducing new varieties to the market. In 2022, the company expanded its operations by establishing a Tissue Culture Laboratory under the 'IRGELER' brand.

In addition to the production of open-rooted and potted saplings, İrgeler Agricultural Products has further consolidated its current success by investing in state-of-the-art tissue culture laboratory facilities. This new infrastructure will support ongoing R&D operations and facilitate the production of certified fruit sapling rootstocks, ensuring they are free from diseases and viruses.

BARE ROOT PLANTS

IRGELER Nursery cultivates a total of 3 million plants, including 1.5 million stone fruit saplings and 1.5 million pome fruit saplings, in an open area of 700,000 square metres in Bursa İnegöl. Furthermore, it performs grafting using budwood sourced from its own breeding plots. One-year-old saplings are obtained by grafting on one-year-old rootstock. The average sapling height is between 1.5 and 2 meters. These saplings are produced on an annual basis and exported throughout Turkey and to international markets. IRGELER Nursery is committed to cultivating premium and healthy saplings through the application of contemporary agricultural practices and pioneering techniques. Every year, it ensures that the saplings develop in the best possible way. This is achieved through soil analysis of the production areas and appropriate fertilization techniques. In addition, water-saving methods are used in irrigation systems, contributing to the conservation of natural resources.

POTTED (TUBED) PLANTS

Our greenhouse was established in 2012 in the Sandıklı district of Afyon and has been operating ever since. Turkey's first and only geothermal heating system, automation systems and pots (in tubes) equipped with technological products, spanning an area of 11,000 m² out of a total area of 14,500 m², is a sapling production facility. The product is made using a combination of imported peat, cocopeat and pumice, which creates a sterile environment and promotes healthy root growth. The roots are dipped in nogal to protect against nematodes, and are then planted. We provide slow-release fertilizer for planting. In this manner, roots that are resistant to nematodes, bacterial and viral diseases are formed. We are proud to offer protection against root cancer (*Agrobacterium tumefaciens*), a prevalent concern among our producer clients. This protection is provided through a meticulous process of dipping the roots of our saplings in a protective solution during the planting stage. The saplings have shown an impressive level of commitment, with close to 100% of them displaying strong attitudes.







