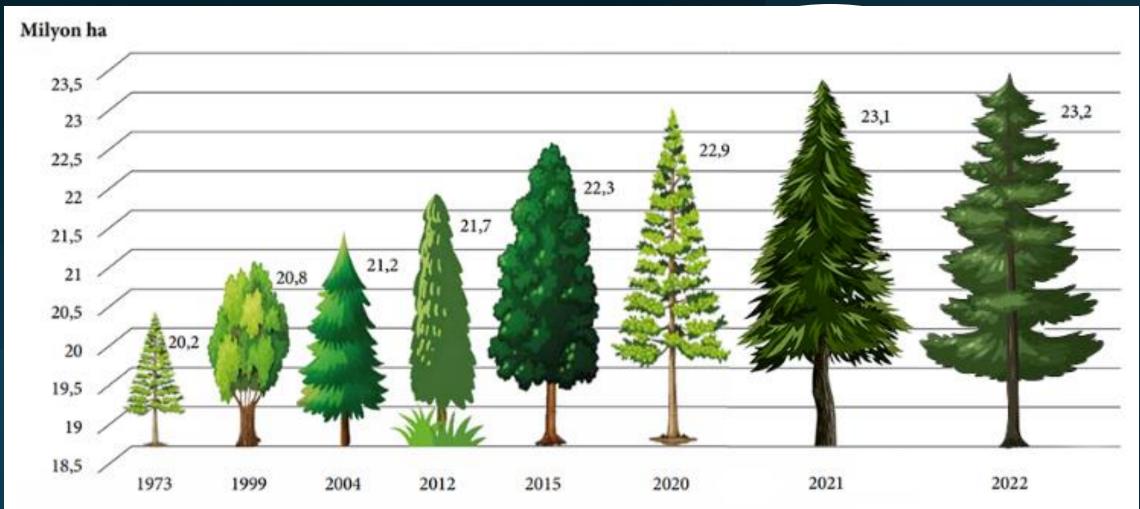
1st International Multidisciplinary Acorn as Food Workshop

ACORN 2024 17-18 DECEMBER, 2024





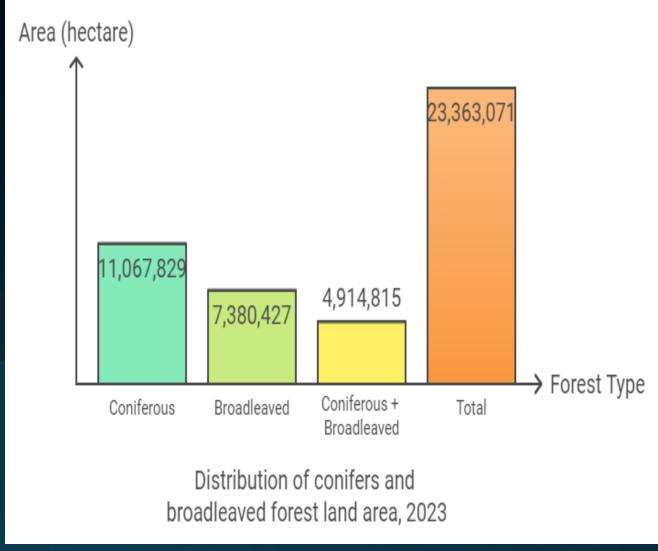
Türkiye's Forest Existence from Past to Present



Türkiye's forest assets have increased to 23.3 million hectares by the end of 2023



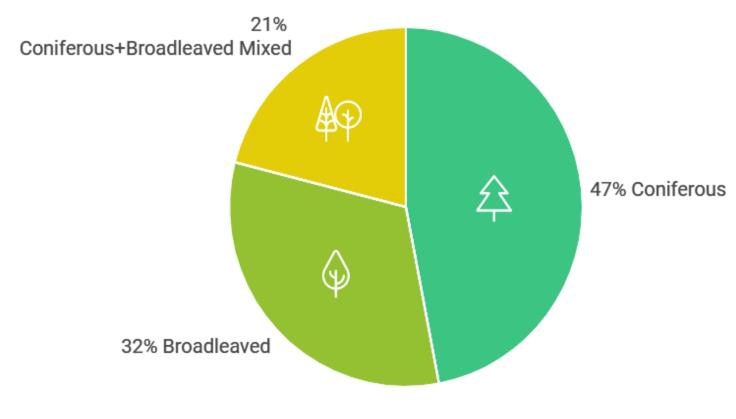












Distribution of conifers and broadleaved forest land area, 2023





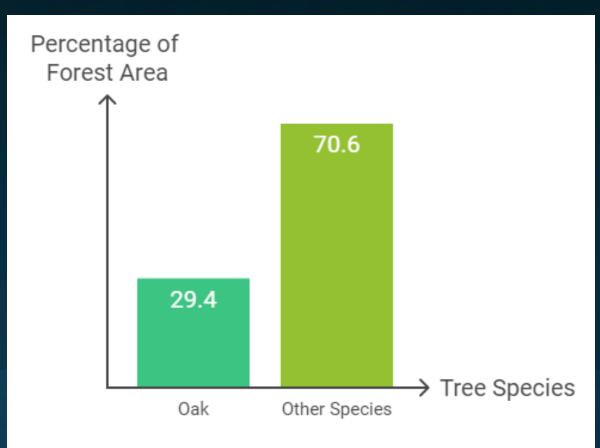












Forest Area Distribution by Tree Species in 2023















Quercus Infectoria (Mazı Meşesi)

- subsp. infectoria











Evergreen Oaks

Oak Distribution Map







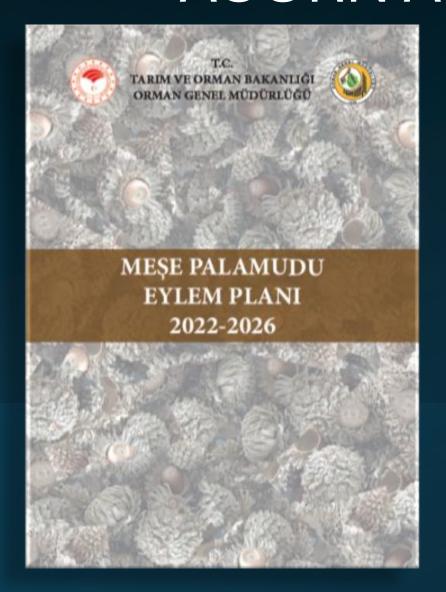
Türkiye is an oak paradise both in terms of species diversity and the area it covers. Covering an area of 6.8 million hectares, the oak tree has survived for thousands of years with 18 species.

ACORN 2024

ACORN ACTION PLAN





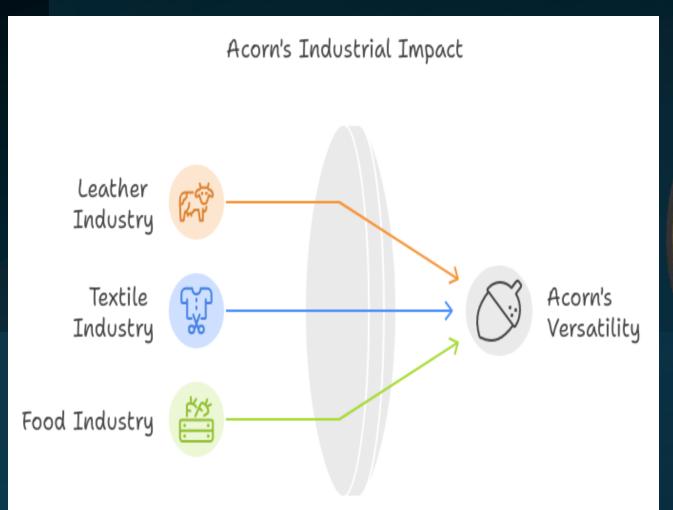


The Acorn Action Plan, implemented by the General Directorate of Forestry in 2022, aimed to increase acorn production by using Türkiye's forest resources more efficiently.

ACORN









PRODUCTS OBTAINED FROM

ACORN AND AREAS OF USE

VALEX (Valonia)

- ✓ Valex (Valonia) is a powdered substance used in leather tanning.
- ✓ It is used extensively in the leather and textile industry, especially as a vegetable tanning agent and dye.
- ✓ High quality valex production in the world is only made in Türkiye.
- ✓ Annual valex production in our country is around 1,300 - 1,500 tons, and the majority of this amount is exported.



PRODUCTS OBTAINED FROM ACORN AND AREAS OF USE

PELLET

- ✓ Pellets are biofuels made from compressed organic matter or biomass.
- ✓ After the fuel product obtained from bonito pulp is processed, the resulting pulp is dried, crushed and compressed.
- ✓ Pellets are a fuel type with very high combustion efficiency due to their high density and low moisture content.



PRODUCTS OBTAINED FROM ACORN AND AREAS OF USI

ACORN

✓ Acorn is used as animal feed, fuel, food additive and sometimes as fertilizer.



PRODUCTS OBTAINED FROM ACORN AND AREAS OF USE

ACORN FLOUR

- ✓ Acorn flour is a product obtained by turning collected acorn into flour through various stages.
- ✓ It is used as a natural food ingredient in the form of a gluten-free flour.



PRODUCTS OBTAINED FROM ACORN AND AREAS OF USF

ACORN CUP

- ✓ The acorn cup is the outer part that covers the acorn. The cup contains 33-35% tannin and the nails contain 43-45% tannin.
- ✓ Tannin is used as a tanning agent in the leather industry.
- ✓ In addition, the cup waste left after tannin production can be used in mushroom cultivation.



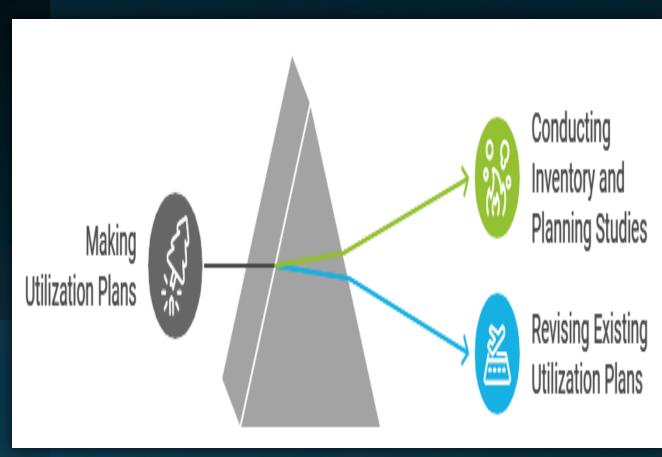












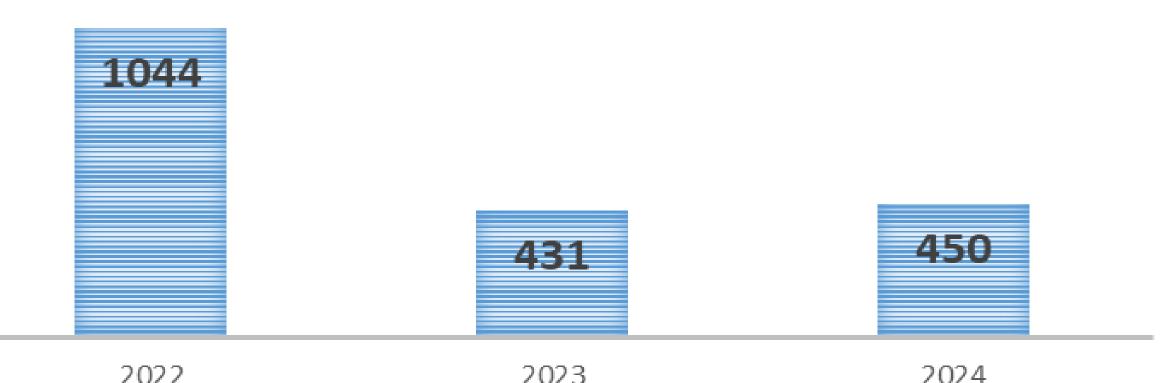








CONVERSION OF ACORN AREAS INTO ACORN MANAGEMENT CLASS





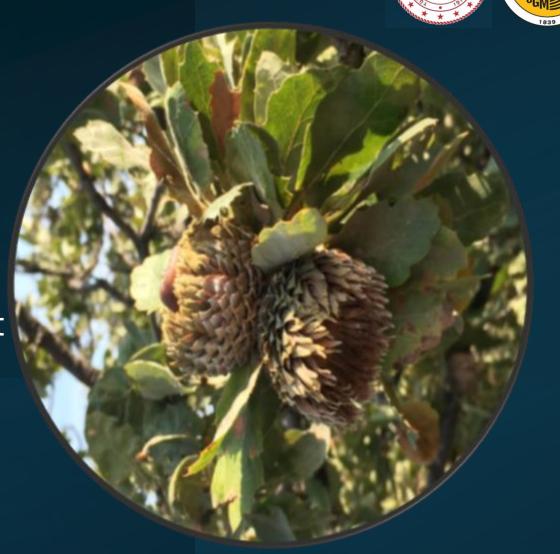
Living Cover Cleaning

In areas where acorns are densely populated and collected, the area will be cleaned of live vegetation to facilitate collection work prior to utilization.



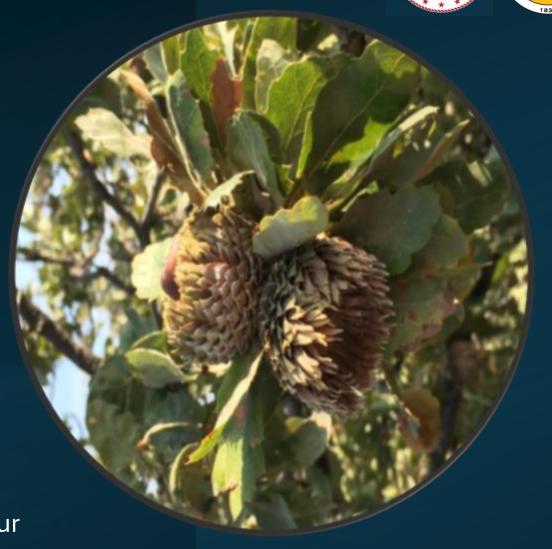


Acorns will be collected in the amount and time foreseen by the utilization plans for sustainability.



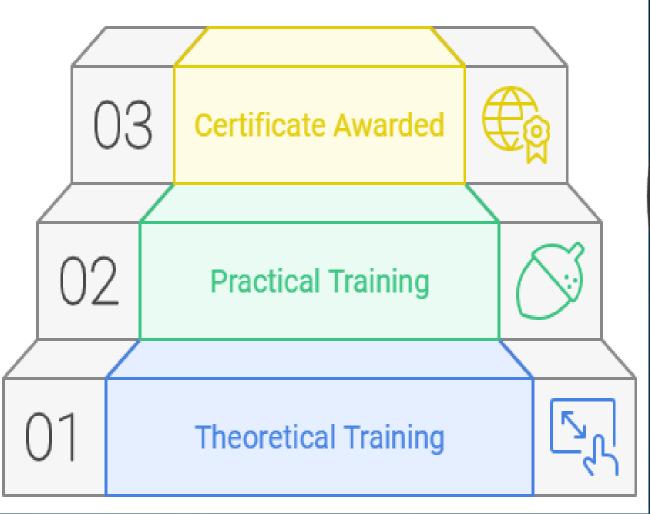


Our General Directorate Forestry Research Institute Directorates will increase institutional capacity by conducting research on issues such as the development of acorns in their natural environment and their economy together with other research organizations and universities in the field of work of our Directorates, and will be put into practice.



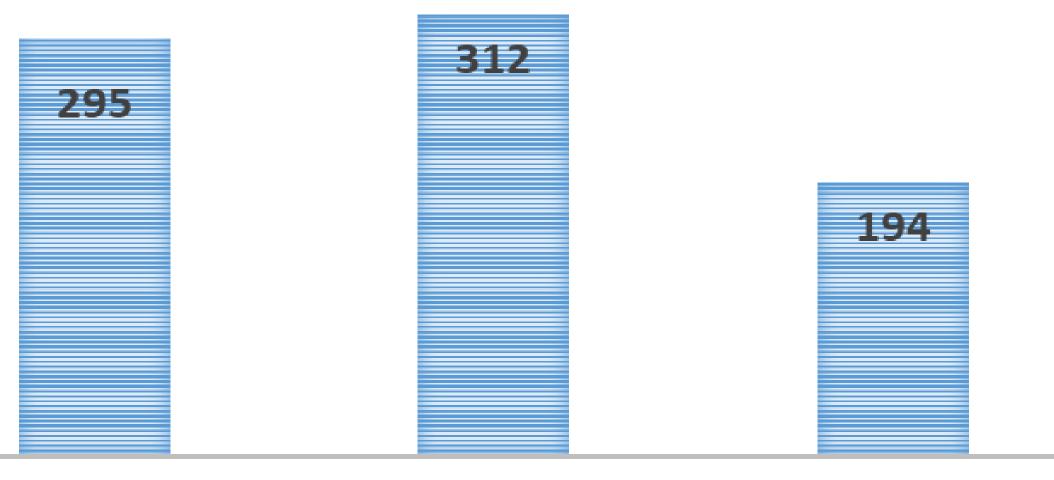


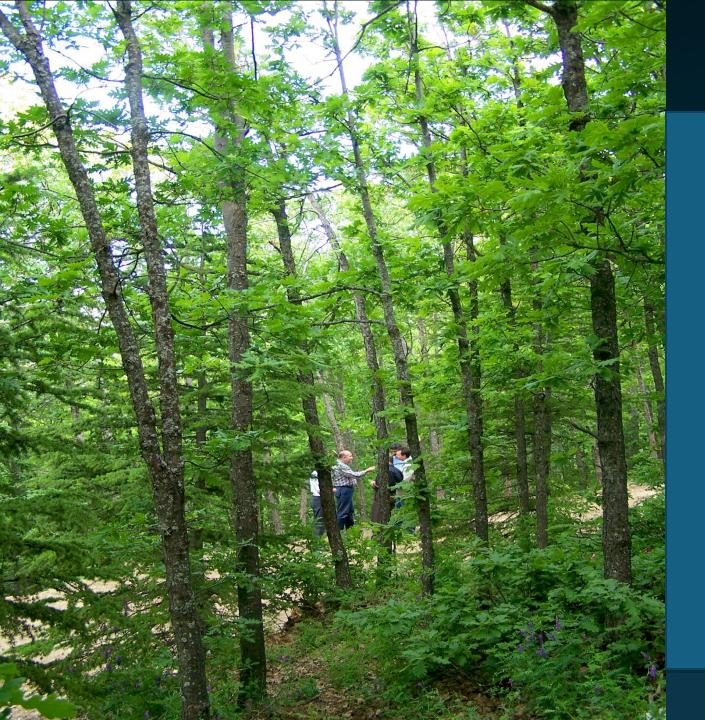
Training of Resource Managers and Collectors





NUMBER OF PEOPLE TRAINED







THANK YOU FOR YOUR ATTENTION

Hüseyin TÜRKSOY General Directorate of Forestry