

# Nilüfer: Production

High Priority



Low Priority



How can we **widen the range of soil analysis**? If we lower the cost of soil analysis; can local producers/ land owners involve more and this service covers wider areas?



If the only laboratory is closed, will we not be able to provide this service again? If so, is there a legal barrier for us to have our own lab? Can we **do our own soil analysis** in Nilüfer and provide the criteria for the authorization of laboratory?

*With these analyses, it will be possible to create a product pattern with a high market value according to the soil structure of local producers*

*Have overcome the difficulties that would arise from the closure of the laboratory. If the laboratory closed, would have to have analyses done by laboratories in other cities, and the cost would be many times higher, making it difficult to conduct and disseminate analyses.*

*Nilüfer producers/residents can learn which product will grow most ideally in which soil and under what conditions it should be grown.*

*In addition to the input cost advantage, this is also an important step for the efficient use of resources*

Municipality procures service for analyzing 400 soil samples in Nilüfer

Nilüfer Municipality established Nilüfer Agricultural Analysis Laboratory to be operated by Nilüfer Agricultural Development Cooperative (NILKOOOP)

Soil sampling service ends in June and must be wider

Lab Action 1: examines the amount of nutrients in the agricultural lands

Lab Action 2: examines the power to provide nutrients to the plants

Lab Action 3: examines the amount and type of fertilizer to be applied

Lab Action 4: examines feeding disorders in the soil will be carried out

*The number of laboratories performing soil analysis is very few (only one)*

Farmers are willing to make analyses as long as there is no cost. Promotions also play an encouraging role. Some farmers were united under a cooperative and more easy to convince

*Farmers appear satisfied - based on news interviews with farmers and from the demands received. Can also say that the more they see each other and discuss the soil analysis service, the more analysis requests are received*

Analysis results presented to land owners in some neighborhoods; results interpreted with help of an agricultural engineer

Landowners given advice on obtaining more products with less input

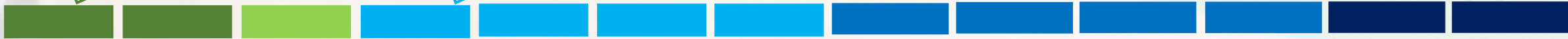
Soil mapping project completed more quickly and the data was made available to everyone

Became possible to access soil analysis results for each land using the online map or by entering island parcel information

Previously, samples taken from certain points. Now, with the laboratory, the goal is to enter analysis results of all lands of Nilüfer into the system

6 maps and books of this project were published digitally as a dissemination step and exploitable result

*It is possible for farmers to create better products that compete with high market value. Obtaining the right product with the right inputs on the right soil is more profitable than obtaining a more costly product by consuming more resources from choosing the wrong product*



**PHASE 1: PREPARATION**

2021

**PHASE 2: ACTION IMPLEMENTATION**

2022

**PHASE 3: ACTION ADAPTAION**

2022

**PHASE 5: EXPANSION**

2023