

A NEW FROST DAMAGE CONTROL SYSTEM FOR CITRUS FRUITS

Serdengeçtiler Tarım

Sanayi ve Ticaret Limited Şirketi



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FROST DAMAGE IN CITRUS FRUIT



Sales value of the citrus fruit decreases due to frost level



With this project , it is aimed to detect frost damage of citrus products with new technology and related technics.



PURPOSE OF THE PROJECT

The purpose of the project is the determination of the frost damage in citrus fruit by using high technology and taking advantages of the classical method and using past meteorological and agricultural data.



SOFTWARE & HARDWARE

Process of frost data with the learning software system.

Development of the artificial intelligence with the learning system using frost data collected from on-site cameras .



FURTHER GOALS OF THE R&D PROJECT

Minimisation of the frost impact to the citrus region, related to the most important meteorological components during the frost by using the improved learning system.

Continious development of the camera and drone technologies will lead to much more developed results .

R&D project results to be used for the digital quality control of other types of fruits .

ASSESSMENT

Minimisation of the financial loss in the fruits production area.
Minimisation of the losses of the agricultural insurers as the result of the project.

Patent sales to countries that produce high amounts of citrus fruits.



THANK YOU FOR YOUR ATTENTION.

