MULTI SPECTRAL IMAGING DRONE OF AKSU UÇAK BAKIM TEKNOLOJİSİ MTAL

PARTS OF MULTISPECTRAL IMAGING DRONE

DRONE FRAME

CONNECTION CABLES

REMOTE CONTROLLER

3 BAND MULTISPECTRAL CAMERAS

RED EDGE FILTER (RE)
NEAR INFRARED FILTER (NIR)
RED GREEN BLUE FILTER (RGB)

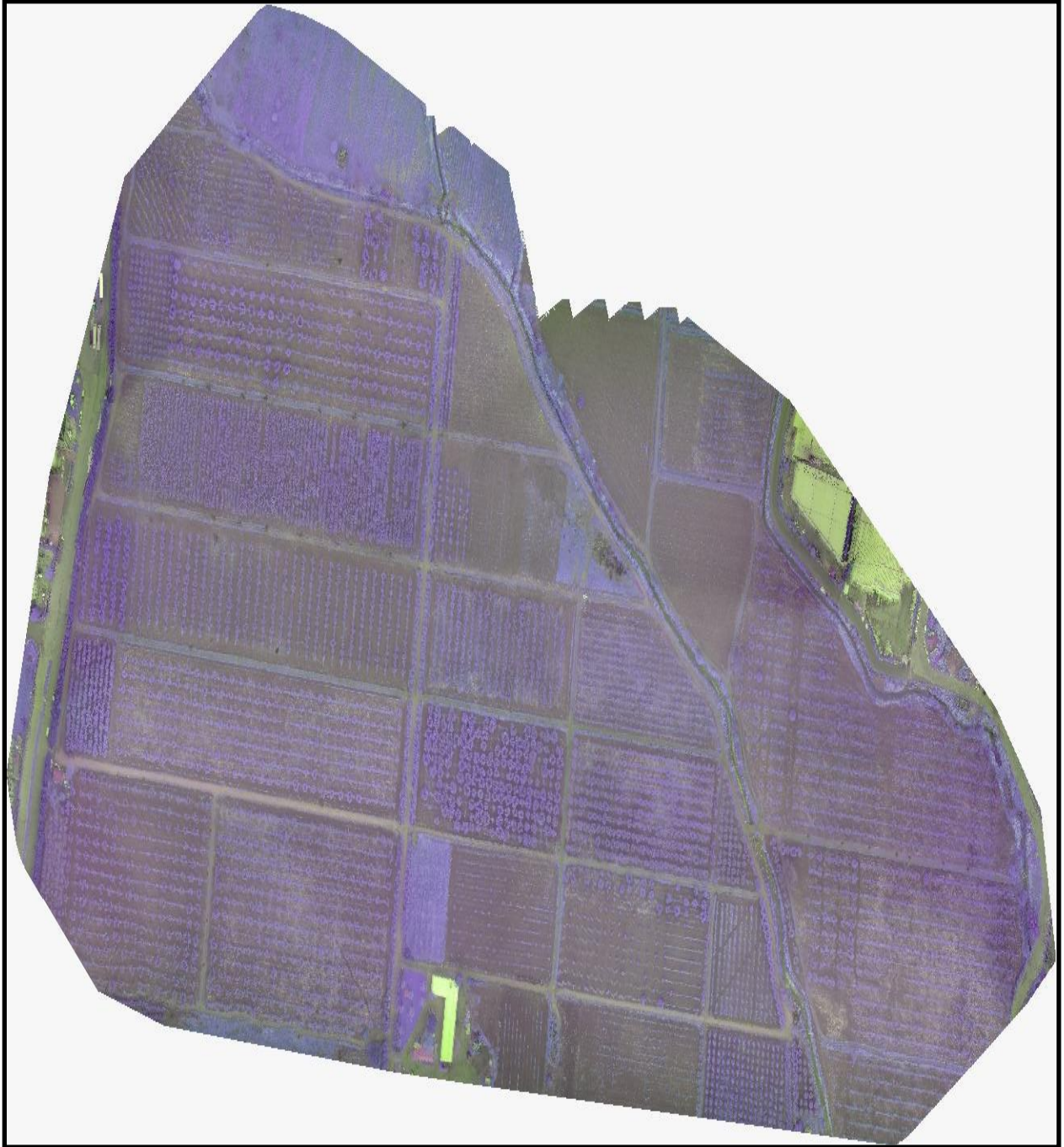**PROPOLLERS**

BATTERY CHARGER

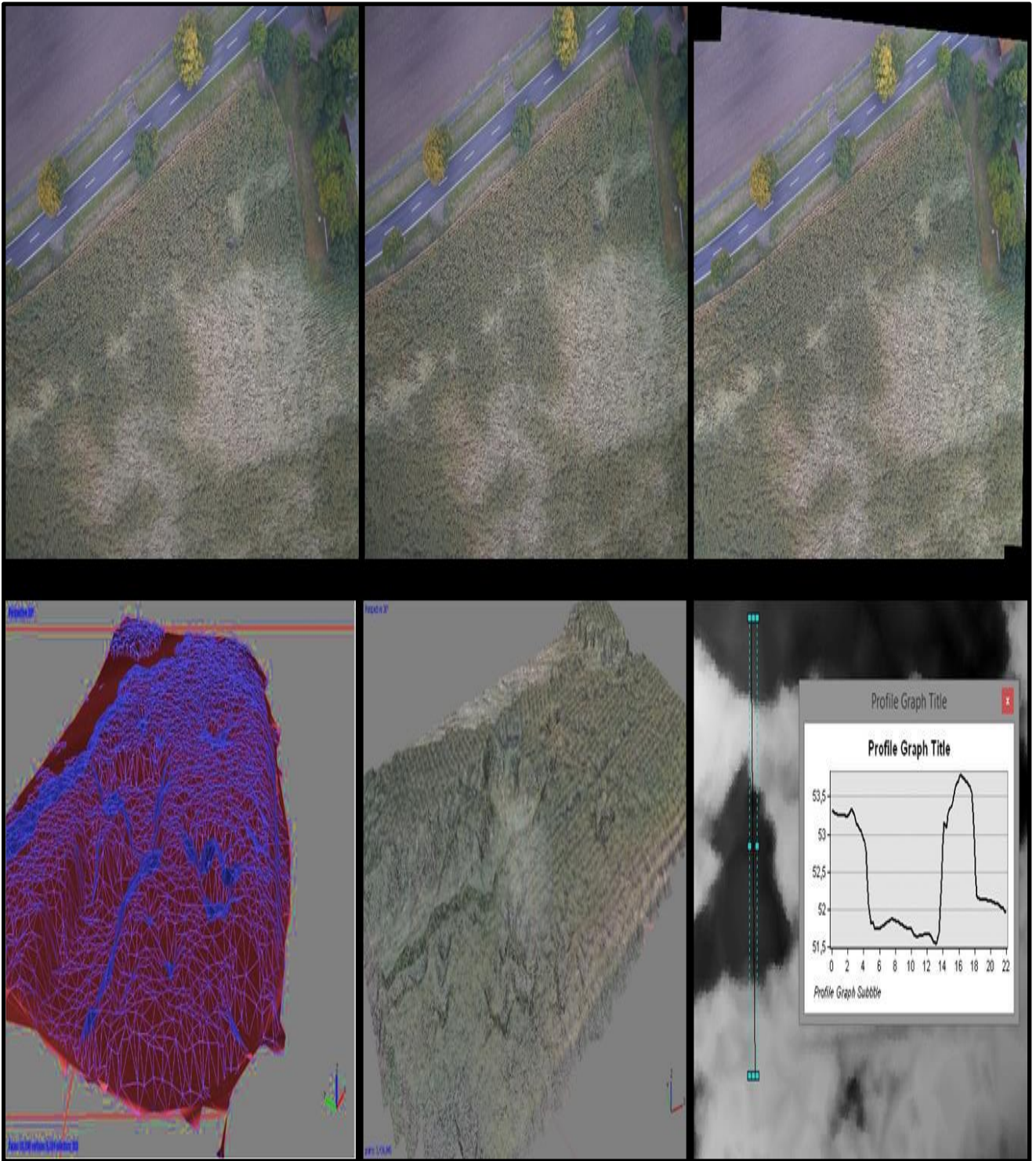# AGRICULTURAL CAPABILITIES OF THE DRONE

TOTAL: 6489 PLANTS

PLANT (TREE) COUNTING IS POSSIBLE WITH THE DRONE
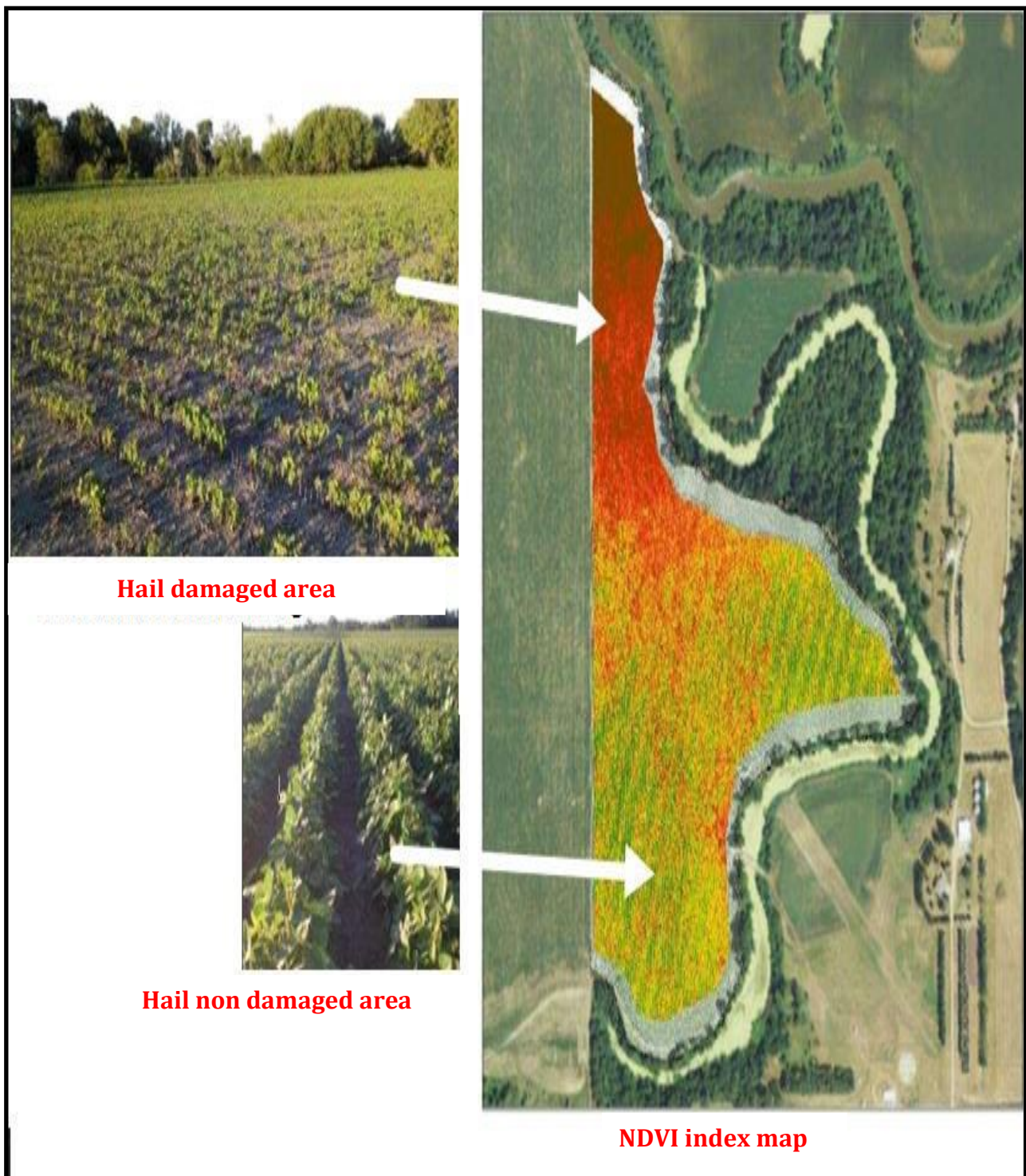
DRONE FLIGHT FOR PHYTOSANITARY

The data obtained are not only images, but also precise coordinates and height data.
In this way, especially for insurance, damage into a field can be calculated.
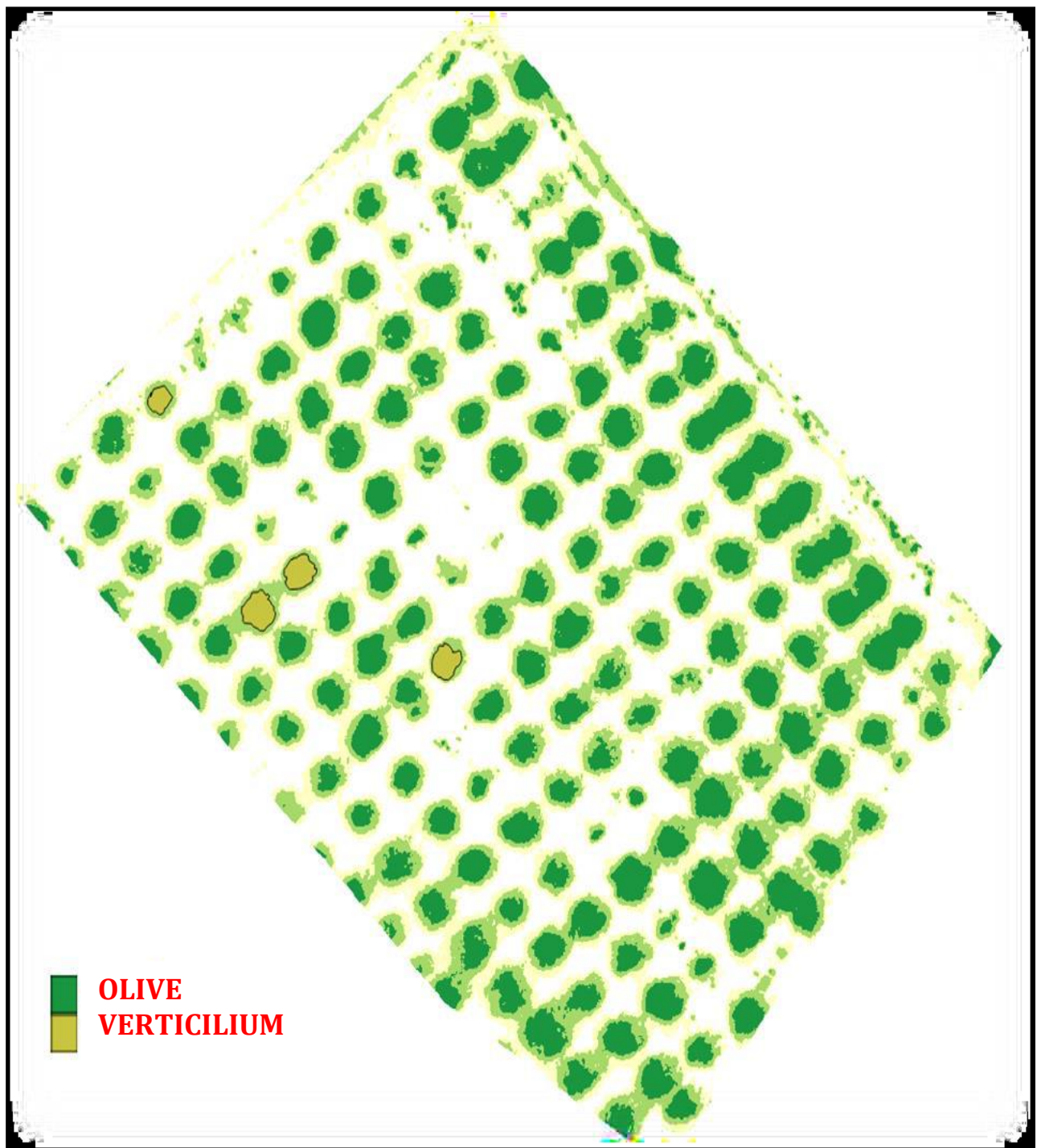
PRODUCT LOSS DUE TO HAIL IN A DAMAGED FIELD CAN BE CALCULATED WITH HIGH ACCURACY BY EVALUATING FULL PLANT VITALITY INDEX.

Hail damaged area
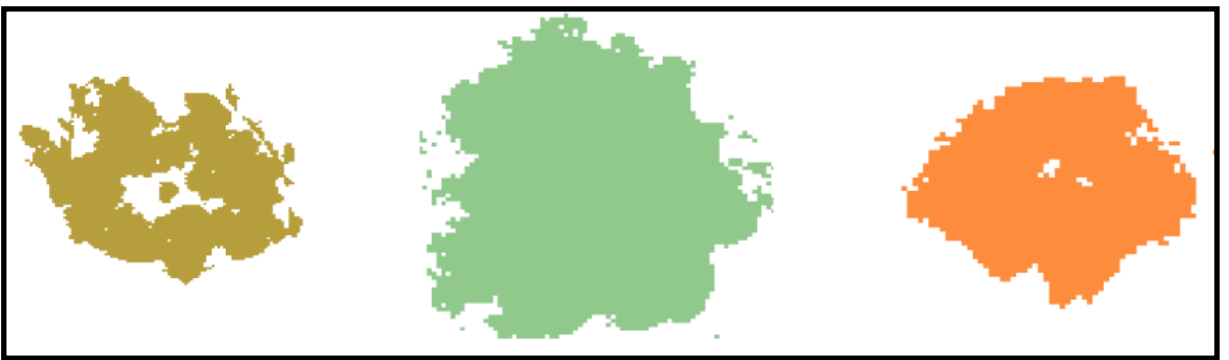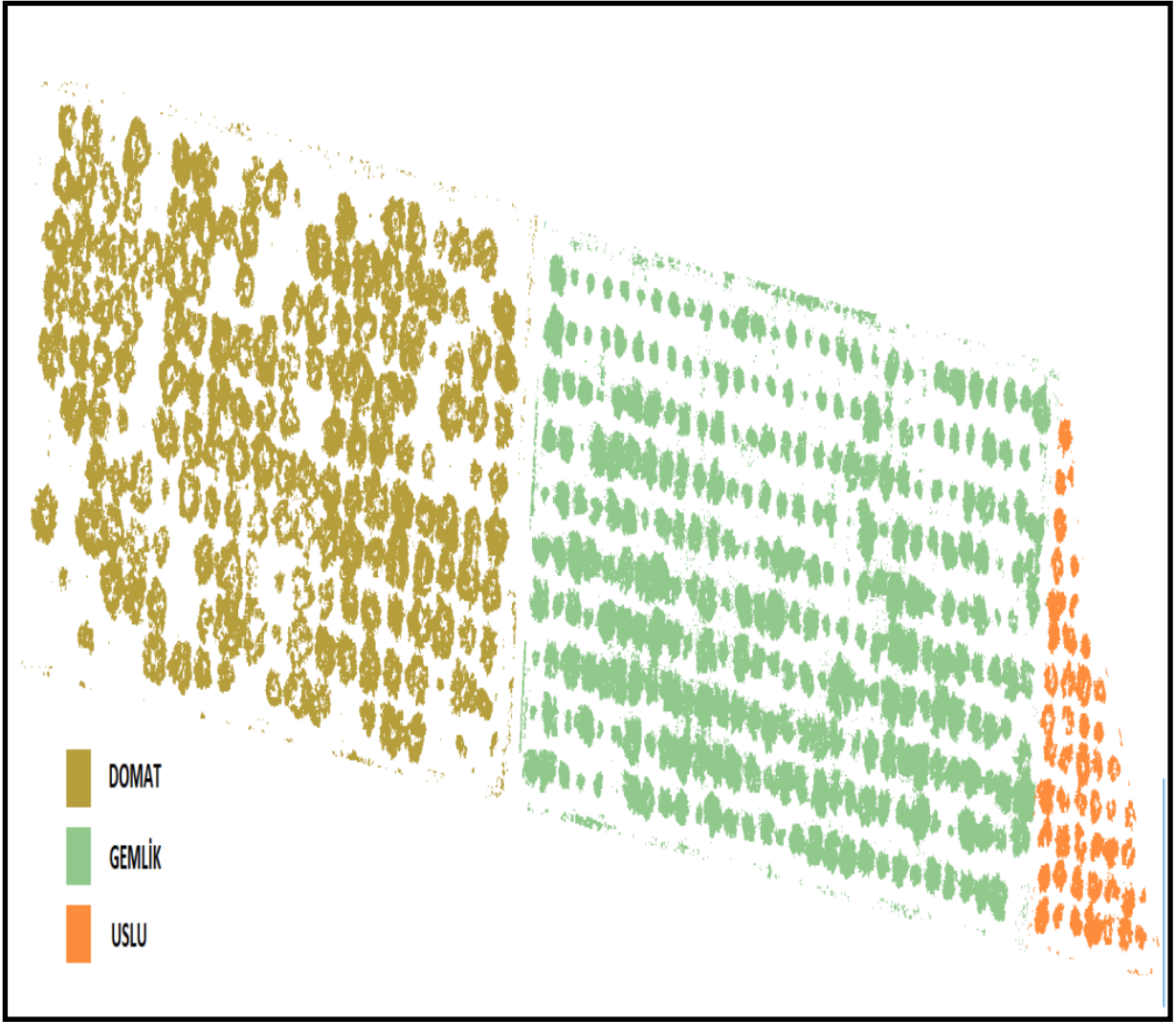
Hail non damaged area

NDVI index map

MULTISPECTRAL ATTRIBUTE WITH IMAGE USING INDEXES IS POSSIBLE. WITH DEEP LEARNING AND ARTIFICIAL INTELLIGENCE METHODS ANALYSIS OF THE PATTERN CAN BE MADE.

OLIVE
VERTICILIUM

**DEFINING THE TYPES OF PRODUCTS IS ALSO POSSIBLE.
BELOW ARE THREE DIFFERENT TYPES OF OLIVES IN DIFFERENT
COLOURED PATTERNS.**

GEMLİK   DOMAT   USLU