



International Symposium
"Cultivating the AgriFuture | Agricultural UAV Spraying"

One of the promising technology that is revolutasng agricultural domain is UAV. Starting from capturing data from the agricultural fields, it allows farmers to apply agricultural inputs such as pesticides, nutrients, and a variety of seeds. While data-driven agriculture assists to define problematic locations and also optimizing management operations, supports sustainable production. Applying pesticides with UAV has advantages as listed below;

- 1- The decreasing volume of water (10-20 liters/ha instead of using 250-1500 liters/ha)
- 2- Minimizing soil compaction caused by field traffic
- 3- Decreasing yield lost (%5 - 15 of total yield) due to tractor and sprayer
- 4- Spraying free of soil moisture
- 5- Early weed management that allows for minimizing soil moisture variation in the field at the seeding stage
- 6- Matching pest and disease frequency exactly (due to irrigation operation, the timing of operation creates luck of success, failure, or more chemical use) and optimizing pesticide cost.
- 7- Eliminating vector effects of pets and disease spread and propagation caused by tractor and sprayer
- 8- Fast and effective reaction and spraying
- 9- Avoiding depreciation and fuel consumption of tractor and sprayer
- 10- Minimizing personal chemical contact during the operation
- 11- To eliminate water+chemical leakage from the crop tissue to the soil surface, which is a common problem in a conventional spraying application

On the other hand, several issues and challenges need to be discussed and found solutions. The symposium will focus on national and international regulations & training; UAV spraying technologies, formulations, adjuvants, and also future projections of UAV Spraying.

On the second day, a field demonstration is planned in a field.

Keynote speakers will be from the national and international ecosystems.

Prof. Dr. Arif Behiç TEKİN

Symposium Chairman

Contact Person - Agrobofood (Türkiye)

Due to several limitations, the number of participants will be limited. Participation will be based on invitation and application. For the application and other issues, please send an email to behic.tekin@ege.edu.tr or arifbehictekin@gmail.com

🔊 SAVE THE DATE FOR...

📅 3-4 November 2022

📍 İzmir, Turkey

By:

Ege University & Agricultural University of Athens