

#### MINISTRY OF AGRICULTURE

# Use of drones in plant protection in Hungary



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## Digitalisation in agriculture

Strategy for the Digital Agriculture



Preparation of farmers for the digital conversion











## Drones in agriculture







## Drones in plant protection- what is needed?





### Drones (RPAS)

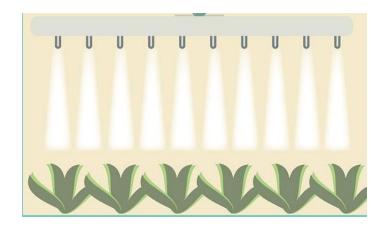
#### Act No 46./2008

"Plant protection equipments with tank>5dm³ need to be type-qualified before placing on the market…"

Currently there is no PAE standard applicable for drones



- Operates correctly
- Consistent dispersion
- No unacceptable environmental effect





#### Plant Protection Products

- dosage
- volume
- coverage
- efficacy
- Amendments of approvals
- GEP





#### Law

COM's position-→aerial spraying→banned; except special cases

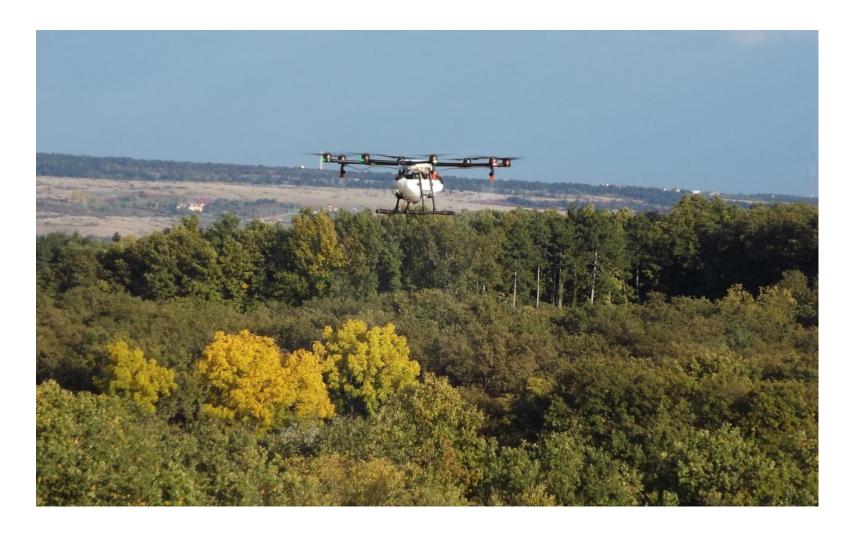


#### Ministerial decree 44/2005

- fine tuning of the existing general rules eg. no need for the restriction for place of take-off, no need for separate flight observer
- educational requirements -agricultural drone pilot
- Minimal technical requirements for drones e.g malfunction cases; pauses; open and close of nozzles automatically <u>and</u> by the operator



## Video





## **Summary**

- Conditions of the aerial spraying can't be applied literally for drones
- Currently there is no available PAE (pesticide application equipment) standards for the drones
- No pesticide use authorized for drones



## Thank you for your attention!

