

DRONE TARGETING PARASITES ON TREES

TECHNOLOGY DESCRIPTION

- Equipment precisely targeting parasites on trees.
- Currently tested on two types of tree parasites:
 - Chestnut Weevil
 - Mistletoe
- Through advanced image analysis the drone scans the tree and then treats the infected parts of the tree with precisely targeted spray interventions.
- It is a sustainable, cost-effective alternative to current modes of pesticide protection.

UNIQUE FEATURES AND ADVANTAGES

- The device optimizes the use of pesticides in agriculture. It avoids unnecessary chemical stress and at the same time reduces the cost of chemical material.
- The device is well suited for inaccessible terrain (such as slopes) or in an urban environment where pesticide treatment of trees would require temporary road closure.
- The application does not disrupt the soil as is the case for ground distributors of pesticides.
- Drones are fully automated, user-friendly, and require minimal human assistance.

POTENTIAL APPLICATION AND USE

- Analysis and treatment of crops in inaccessible terrain or metropolitan areas.

WHAT WE LOOK FOR

- We are looking for partners manufacturing precision agricultural machinery with a global market reach, or partners focused on the development of drones and their application in agriculture.

THE OWNER OF INTELLECTUAL PROPERTY

CULS

IP STATUS

**Application for utility
model considered**

TECHNOLOGY READINESS LEVEL

**Functional sample,
technology validated in
lab (TRL4)**

CONTACT

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