

Egzamin semestralny

Rolnik – j. angielski

Zadanie egzaminacyjne:

Proszę dokonać przekładu tekstu na j. polski.

Gotowe prace proszę przesłać na adres:

roman.stefaniak28@gmail.com

W temat maila proszę wpisać: (Egzamin - kierunek/semestr/imię i nazwisko)

An agricultural drone is an unmanned aerial vehicle used to help optimize agriculture operations, increase crop production, and monitor crop growth. Sensors and digital imaging capabilities can give farmers a richer picture of their fields. Using an agriculture drone and gathering information from it may prove useful in improving crop yields and farm efficiency.

Agricultural drones let farmers see their fields from the sky. This bird's-eye view can reveal many issues such as irrigation problems, soil variation, and pest and fungal infestations. Multispectral images show a near-infrared view as well as a visual spectrum view. The combination shows the farmer the differences between healthy and unhealthy plants, a difference not always clearly visible to the naked eye. Thus, these views can assist in assessing crop growth and production.

Additionally, the drone can survey the crops for the farmer periodically to their liking. Weekly, daily, or even hourly, pictures can show the changes in the crops over time, thus showing possible "trouble spots". Having identified these trouble spots, the farmer can attempt to improve crop management and production

Other companies might start flying their drones in unregulated areas to survey their competition and get to know the condition of crops and agricultural yield. Such a scenario could lead to compromising vital company secrets. People want to know that they are safe and protected, so the burden doesn't just fall on the farmer, but on many of those around the farmer, too.

The use of agricultural drones has ethical and social implications. One benefit is that they are able to monitor and control the use of pesticides properly. This allows minimizing the environmental impact of pesticides. However, drones don't need access authority to flying overs someone's property at under 400 feet (130 m) altitude. They may have microphones and cameras attached, and the resulting concern for potential privacy violation has caused some opposition towards drones.