

Airefarms

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Abstract— We make drones to care of the crops with help of hormones instead using harmful chemicals. Our drones would be more efficient than the drones available in the market by making wired drones with help of poles and pullies. A battery can only be used for just 300 charging cycles. Our drone won't be creating any environmental pollution as we spray hormones with pressurized air this will reduce the payload .

Can be used to spray 2.3 acres if utilized correctly .Main things in this project are bacterias , enzymes and hormones .

Instead of using the artificial hormones we had planned to use the natural things and the normal processes like ENTOMOPATHOGENIC .

Bacteria like Photorhabdus and Xenorhabdus .

Keywords— harmful -chemicals-wired drone - poles – pulley pressurized air- reduce- payload

Introduction

Making drones at less cost for farmers .
Our drones would be more efficient than the drones available in the market by making wired drones with help of poles and pulleys .
We make drones to care for the crops with the help of

hormones instead of using harmful chemicals .

I.

We optionally use battery , so we make drones to fly for more hours using wired power supply which is technically called as tethered drones

A. Title And Author Details

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B. Section Headings

PROBLEM STATEMENT

- Chemical fertilizers cause cancers and many deadly diseases
- Agricultural drones are much more costlier with payload of 5 liters which would be spraying around 1.7 acre with fly time of minimum of 30 minutes .
- A battery can only be used for just 300 charging cycles .

- Drone which we had planned and started working will spray the Hormones and bacteria automatically without any human interaction .
- Those hormones and bacterias would be cost effective and also they are one time investments as they could be multiplying on their own .
- Our drone will be wired , wireless as this is to make our drones useful for small lands by reducing the cost .
- When we use battery for a small area then the battery would be costing more and that will be heavy .
- Finally the process of the enhancement of soil and plant quality and the destruction of the pest was verified and certified by [Infinita Biotech](#) | [Agriculture Enzymes](#) for further verification visit [infinitabiotech.com](#) .

C. Figures And Tables

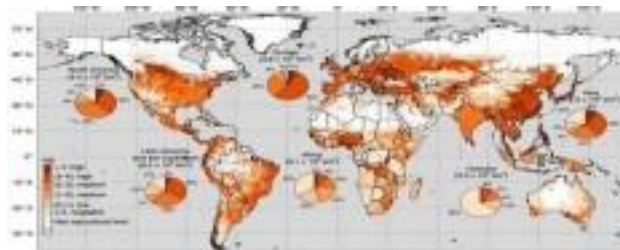
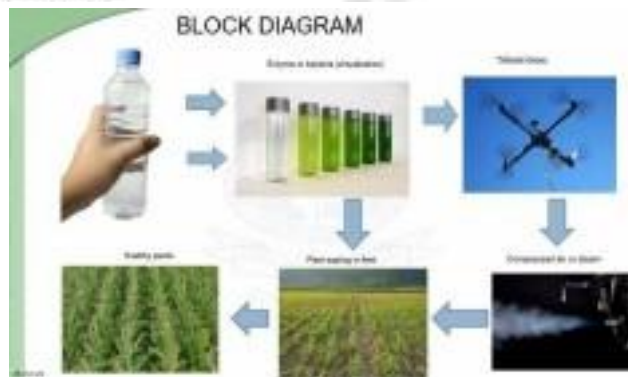


Fig. 10. Simulations of products 9E. The map shows capital resources of Germany, oriented approximately 90° clockwise from the Equator. The grey-shaded regions represent the location of agricultural land exposed within different EE is configurations, and the numbers in parentheses denote the percentage of the total agricultural land in each region.



Acknowledgment

Finally the process of the enhancement of soil and plant quality and the destruction of the pest was verified and certified by Infinita Biotech | Agriculture Enzymes for further verification visit infinitabiotech.com.

As this bio technology is a vast subject we are still in research to use better bio fertilizers .

The rise in organic and environment-friendly farming practices has increased the demand for biofertilizer products, particularly in the world. As per the sustainability strategy of the German government, it is planning to convert 20% of the total agricultural land

into organic agricultural land by 2030. lets get updated technology ..
and get ready for the future with our advanced

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