



**REPORT ON WORKSHOP ON DRONE SPRAYING IN POP CORN FIELD OF KL  
COLLEGE OF AGRICULTURE, KLEF, VADDESWARAM  
29<sup>th</sup> Feb, 2024**

**THEME:** Drone Spraying in Pop Corn Field.

**VENUE:** Gudimeda field of KL College of Agriculture

**TIMINGS:** 10:00 - 12:30 pm.

**DIGNITARIES:** Dr. P. Ratna Prasad, Director, KL College of Agriculture, KLEF.

Dr. B. Balakrishna, HOD, KL College of Agriculture, KLEF

Experts from Drone Raja Solutions, Vijayawada

The workshop on Drone Spraying Applications in Popcorn Cultivation, hosted by KL College of Agriculture, focused on the specific use case of drone spraying technology in the popcorn field. The workshop began with an introduction to the unique challenges and opportunities in popcorn cultivation and the rationale behind employing drone spraying technology. The participants gained an understanding of the advantages of drone spraying, such as precise pesticide application, reduced environmental impact, and increased operational efficiency. A detailed session on drone spraying technology covered various aspects, including drone types suitable for spraying, payload capacity, and the types of agrochemicals that can be applied. Case studies illustrating successful implementations of drone spraying in popcorn fields were discussed to underscore the practical benefits.

### **Hands-on Drone Spraying Operations**

The core of the workshop involved hands-on training in drone spraying operations. Students were guided through the setup and calibration of spraying equipment, flight planning, and execution of drone spraying in a simulated popcorn field. Safety protocols and adherence to regulatory guidelines were emphasized throughout this practical session. The workshop concluded with a dedicated Q&A session, allowing participants to seek clarification on technical aspects and share their experiences. Feedback from participants was collected to gauge the effectiveness of the workshop and identify areas for improvement in future sessions. This segment provided participants with the opportunity to seek clarification on technical aspects, discuss potential challenges in real-world implementations, and share their own experiences related to drone spraying applications in agriculture.

Feedback from participants was actively sought, serving as a valuable tool for assessing the workshop's effectiveness and identifying areas for improvement in future sessions. The insights gathered from the participants' experiences and observations will contribute to refining the curriculum and structure of similar workshops, ensuring that they remain relevant and impactful in the ever-evolving field of agricultural technology. Overall, the workshop on Drone Spraying Applications in Popcorn Cultivation not only equipped participants with theoretical knowledge but also empowered them with practical skills, fostering a comprehensive understanding of the integration of drone technology in modern agricultural practices.

### Photographs of Workshop on Drone Spraying

