

Agricultural Spraying Drone

This multi-rotor agricultural drone is designed for crop spraying and aerial application of pesticides or fertilizers. It allows for efficient and targeted application, reducing waste and environmental impact.



ADDITIONAL IMAGES



Overview

High-Efficiency Agricultural Spraying Solution

This multi-rotor agricultural drone is designed for precision crop spraying and the aerial application of pesticides or fertilizers. It features a robust frame with a central liquid tank and spray nozzles positioned beneath each rotor to ensure even distribution across large fields. Equipped with advanced autonomous navigation and obstacle avoidance technology, it provides a cost-effective and environmentally friendly solution for modern crop management.

Performance Metrics

Daily Work Efficiency

50 acres

Minimum Daily Coverage

80 acres

Maximum Daily Coverage

Intelligent Flight Control

Obstacle Avoidance System

Action	Distance Threshold
Detection Range	13m
Speed Reduction	10m
Bypass Maneuver	5m

Operational Modes

- Point A to Point B straight line work
- Autonomous work via stored field maps
- Breakable point spray to avoid repetition
- Route translation and field expansion/shrinkage
- Adjustable flight height, speed, and pitch

Data & Reporting

Post-Operation Reporting

Field Area, Flight Time, Acreage Tracking, Memory Storage

Hardware & Design

Navigation Technology

GPS Navigation • Remote Control • App Integration

Propulsion System

Multi-rotor system with high-speed rotating motors

Safety

Safety Features

- Autonomous obstacle avoidance
- Rotating motor proximity warnings
- Precision flight control for safe operation