

# 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