VAAYU
ROBOTICS

EMPOWERING INDIA's GROWTH
WITH DRONE INTELLIGENCE

FROM SOIL TO HARVEST – PRECISION AGRICULTURE REDEFINED

About Us

Vaayu Robotics delivers AI-powered drone solutions to maximize crop yields, optimize inputs, and modernize farm management. Our agricultural drones provide actionable insights 10x faster than traditional methods.

Our Achievements
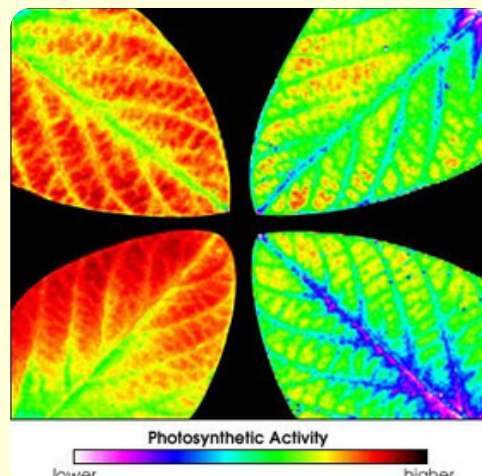
5,000+	8	30%
acres monitored	crop varieties supported	average yield increase

Why Us ?

✓**Agri-Expertise:** Developed with farmers and agronomists

✓**Government Approved:** DGCA-certified operations

✓**Simple Pricing:** Pay-per-acre models available
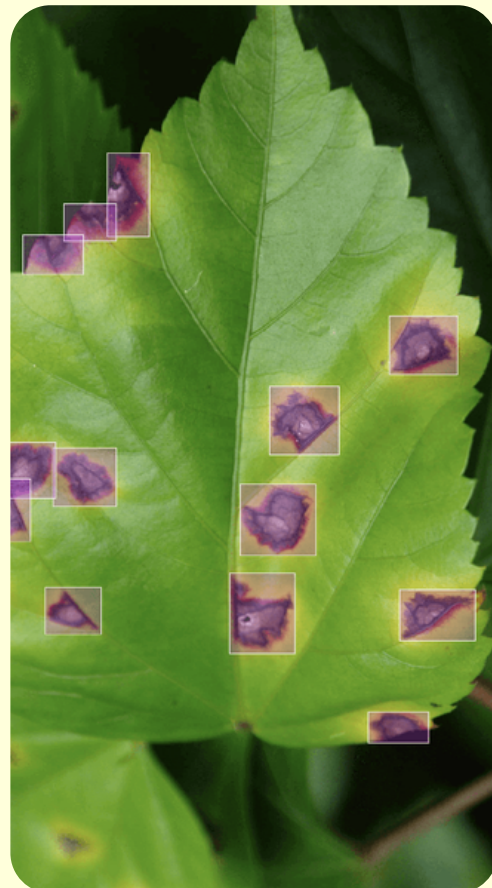

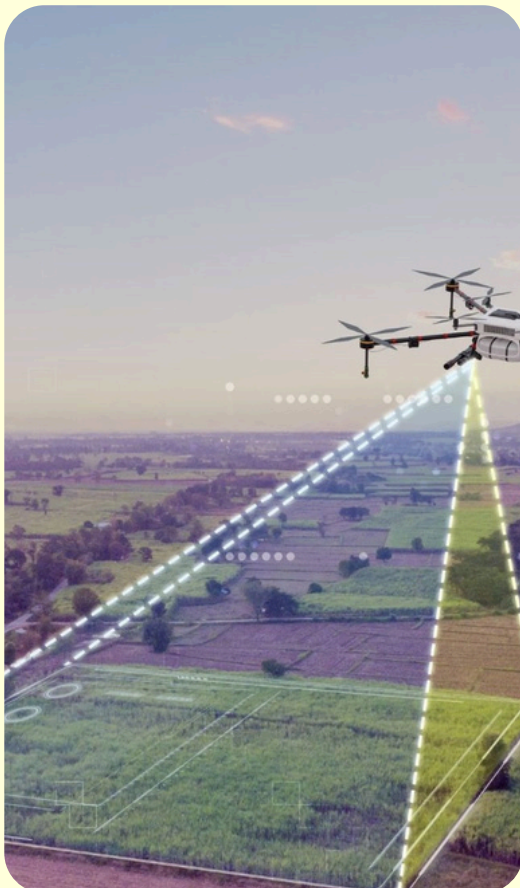Photosynthetic Activity
lower   higher

Key Services

1. Crop Health Monitoring

- **NDVI Analysis:** Detect disease, nutrient deficiencies, and water stress
- **Zonal Mapping:** Identify problem areas down to individual plants

How Drones help

- **Multispectral Imaging:** Capture beyond-visible light data
- **AI Disease Detection:** Early blight/pest identification
- **Variable Rate Prescriptions:** Generate fertilizer/pesticide maps

2. Precision Spraying

- **Targeted Application:** Reduce chemical use by up to 60%
- **24/7 Readiness:** Spray when fields are inaccessible

How Drones help

- **LiDAR Terrain Mapping:** Adjust spray height automatically
- **Swarm Technology:** Cover 100 acres/hour
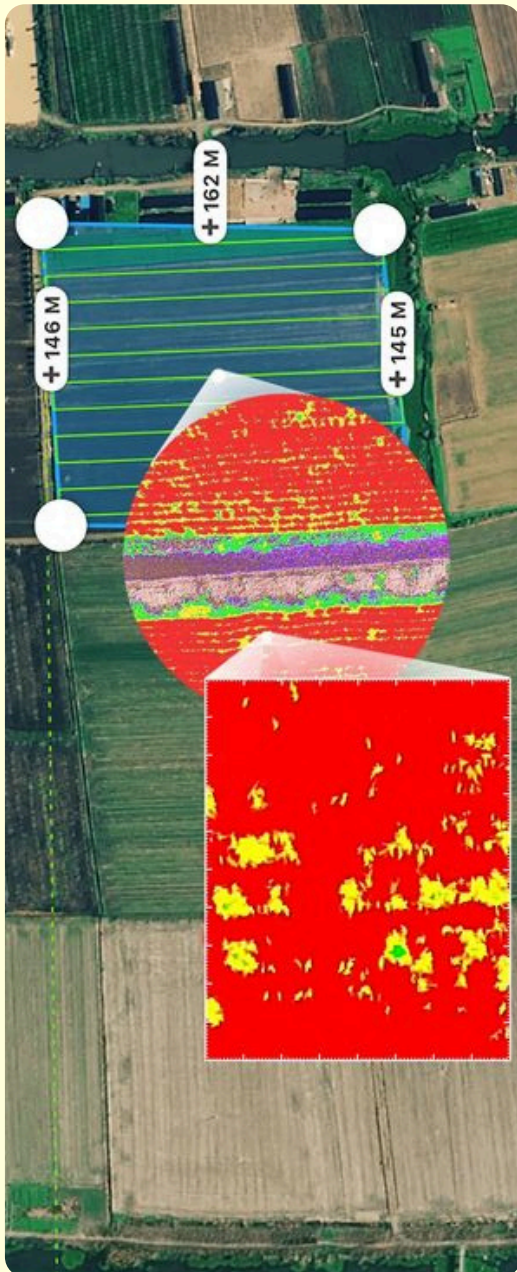- **Tank Mix Optimization:** AI suggests ideal chemical combinations

![VAAYU ROBOTICS logo]

3. Soil & Irrigation Analysis

- **Moisture Mapping:** Pinpoint over/under-watered zones
- **3D Topography:** Design optimal drainage and terracing

How Drones help

- **Thermal Sensors:** Detect subsurface water flow
- **Erosion Tracking:** Compare soil loss season-to-season

4. Planting & Seeding

- **Aerial Seeding:** Reforest difficult terrain at 100x manual speed
- **Germination Tracking:** Monitor seedling success rates

How Drones help

- **Pod Dispensing:** Precision placement of seeds/fertilizer
- **Survival Rate Analytics:** Calculate replanting needs

5. Yield Estimation & Harvest Planning

- **Predictive Analytics:** Forecast output 8 weeks pre-harvest
- **Storage Optimization:** Plan silo/logistics based on yield maps

What we deliver

- **Crop Health Scorecards**
- **Government Compliance Reports** (PMFBY, Soil Health Card)

VAAYU ROBOTICS

ONE PARTNER FOR BOTH YOUR FARM INSIGHTS & FIELD EXECUTION

THANK YOU

Be the part of our family

Grounded Precision: Built with agronomists & farmers for real field results.

Actionable Speed: From aerial scan to agri-task execution in 48 hours.

Smart Investment: Pay-per-acre model with up to 30% yield boost.

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