Empowering **Fields,** Elevating **Yields**

alkaram
farm technologies
A Company of Alkaram Group

WHY CHOOSE
AGRICULTURAL DRONES?

To empower farmers with new technologies to increase farm yields and profitability.

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Agricultural Pain Points
Across the globe

- **Manual Spraying**

  Time consuming | Labour intensive
  High health risk due to direct contact with chemicals

- **Heavy Machinery**

  Crop crushing leading to economic loss
  Limited access area | Soil compaction

- **Low Precision**

  Inconsistent application | Poor crop health
  Increased chemical usage

- **Limited Technology Access**

  Lack of digital tools | Poor farm management
  Low productivity | Financial constraints

- **Climate Change**

  Unpredictable weather patterns | Reduced yields
  Rising pest and disease pressure | Frequent droughts & floods

Agricultural Drones:

The Problem Solver

Agricultural drones offer the unique advantage of being easy to deploy and operate, making them ideal for crops like rice, sugarcane, and citrus plantations—regions and paddy fields where manual labor or traditional agricultural machinery is inefficient.

Versatile Applications

Applicable for spraying, spreading, and monitoring across various crops and terrains.

Safer Operations

Drones enable field activity with minimal human contact, enhancing safety in agricultural operations.

Higher Efficiency

Minimal operation cost per hectare. Drone application: 16 ha/hour

Effortless & Cost Effective

Automated flight routes allow efficient spraying, reducing chemical use and costs, with easy monitoring of progress and results.

Essential Support Across Crop Life Cycle

Agricultural drones play a key role throughout the crop life cycle, especially in seedling and crop management stages

Granular Spreading

DJI agricultural drones excel in diverse tasks like grassland reseeding, granular fertilizer application, and feeding aquatic animals. The spreading system installs in under three minutes, ensuring Agras drones are always ready for action

Crop Spraying

DJI agricultural drones deliver accurate, even spraying with automated precision, easily navigating difficult terrain where larger machines struggle. They save chemicals and water, reducing run-off and conserving resources.

Crop Health Monitoring

Farmers can use DJI aerial platforms such as the Phantom 4 RTK and P4 Multispectral imaging system to gather precise crop data, perform diverse agricultural tasks, monitor the environment, and more.

Field Mapping/Surveying

Manual mapping is now outdated with the DJI Phantom 4 RTK, which completes aerial mapping up to 100 times faster. The entire process is displayed on-screen, allowing for precise planning and editing.

Enhancing Farmland Management

Through AKFT'S Intelligent Digital Agriculture Solutions

DJI AGRICULTURE

**All the products under warranty are covered as per manufacturer's policy.*

Empowering Fields, Elevating Yields

AKFT Agriculture empowers farmers with Spraying & Spreading, Crop Monitoring, and a Smart Agriculture Platform for complete farm management."

Agricultural Scenarios	Existing Operations	Pain Points	AKFT Solutions
Sowing	Tractor	Low efficiency	 **Spraying & Spreading with drones**
Fertilizer Application	Manual Work	High Labor Costs	
Pesticide spraying	-	Lack of Workers	
Crop condition monitoring	Field patrol by agronomists	Low efficiency	 **Imaging Drones** to collect farm & crop data
Precision fertilizer application	Experienced judgement	Over-reliance on agronomist	
Precision pesticide spraying	Manual or tractor operation	Difficulty in plot monitoring	
Operation supervision	Manual ledgers	Manual Statistics	**Lense AI** farm analysis software
Traceability of precision& fertilizer	Poorly integrated management platform	Low Quality Data	
Geographic information for farmland	-	High Management	

DJI AGRAS T50

DJI AGRAS T25

Farmland Spraying

52

acres/hour

Fertilizer Spreading

1.5

tons/hour

Orchards

10

acres/hour

Empowering Fields, Elevating Yields

DJI AGRAS T50

Ready ,Steady,Go

Heavy payload

40 kg Spraying
50 kg Spreading

High Flow Rate

Spraying 16L/min
Spreading 108 kg/min
2 Sprinkler Spraying

Signal Stability

Offline Operations
2 km O3 Transmission
Optional DJI Relay

All Scenario Adaptability

Orchard Mode
Variable Rate Application
Fully Automatic & Manual

Multidirectional Obstacle Sensing

Terrain Following up to 50°
Multidirectional Obstacle Avoidance

Four Sprinkler Kit (Optional)

Reverse Directional Spray During Flight 4-sprinkler spraying, flow rate 24 L/min[3]

DJI AGRAS T25

A Little Smaller, A Little Smarter

Heavy payload

20 kg Spraying
25 kg Spreading

High Flow Rate

Spraying 16L/min
Spreading 72 kg/min
2 Sprinkler Spraying

Signal Stability

Offline Operations
2 km O3 Transmission
Optional DJI Relay

All Scenario Adaptability

Orchard Mode
Variable Rate Application
Fully Automatic & Manual

Multidirectional Obstacle Sensing

Terrain Following up to 50°
Multidirectional Obstacle Avoidance

Four Sprinkler Kit (Optional)

Reverse Directional Spray During Flight 4-sprinkler spraying, flow rate 24 L/min[3]

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Fully automated workflow, instant insights, zero expertise required.

- High Res Map
- Snap Scout (Leaf-Level Images)
- Pre Burn Application
- Crop Health Map
- Bio Mass Estimation
- Variable Rate Application
- Elevation Map
- Drainage Map
- Plant Stand Count
- Anomaly Detection
- Weed Detection
- Spot Application
- Data Sharing
- Yield Estimation

LenseAI Features

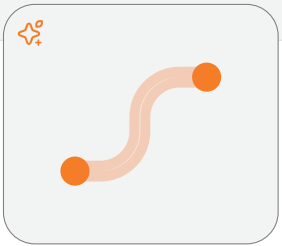
- Automated Drone Flights
- Automated AI Reporting
- Data Sharing
- Unlimited Users & Farms
- Historical Data Backup
- **Snap Scout** (Leaf-level Images)

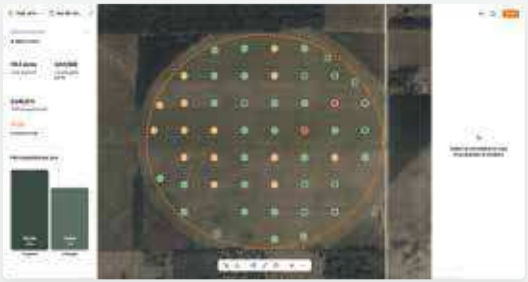
Use the AI Pilot App to acquire data in 3 clicks

Use Snap Scout to view leaf-level crop details

Upload data in 3 clicks

AI automates the pipeline for seamless data flow





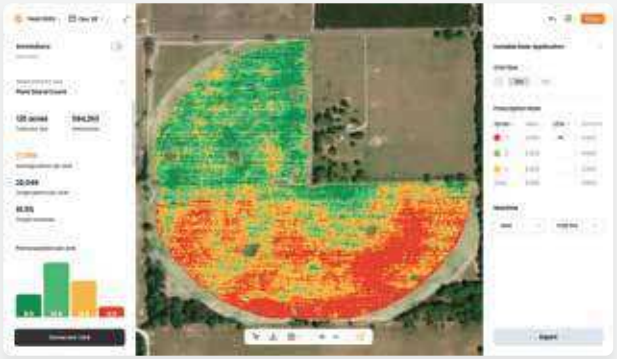
Click the AI button for on-demand analytics such as stand count and crop health

scan here

Ready to Elevate Your Crop Scouting?

Schedule a Free Demo Today and see LenseAI in action!

Visualize high-resolution maps and generate VRA maps



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