



# AGRAS T50

Ready, Steady, Go.



DJI AGRAS T50 elevates drone agricultural operations to new heights. It inherits a powerful coaxial twin-rotor propulsion system and a split-type torque-resistant structure for next-level stability when carrying 40 kg of spraying or 50 kg of spreading payloads.

DJI AGRAS T50 leverages a Dual Atomizing Spraying System, Front and Rear Phased Array Radars, and a Binocular Vision System.

DJI AGRAS T50 excels across multiple scenarios, from surveying to spraying and spreading, guaranteeing stable operations and steady performance.

## AGRAS T50 - SPECS

### 1. Heavy Payload:

- 40 kg spraying
- 50 kg spreading

### 2. High Flow Rate:

- Spraying 16 L/min
- Spreading 108 kg/min

### 3. Signal Stability:

- Offline operations
- 2 km O3 Transmission
- Optional DJI Relay

### 4. All Scenario Adaptability:

- Fully automatic and manual operation
- Orchard Mode
- Variable Rate Application

### 5. Multidirectional Obstacle Sensing:

- Multidirectional Obstacle Avoidance
- Terrain Following up to 50°

### 6. Four Sprinkler Kit (Optional)

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

### 7. Field Operations: 21 Hectares per Hour

### 8. Orchard Operations: 4 Hectares per Hour

### 9. Spreading Operations: 1500 kg Granules per Hour

### Aircraft

### 10. Max Takeoff Weight:

- Max takeoff weight for spraying: 92 kg (at sea level)
- Max takeoff weight for spreading: 103 kg (at sea level)

### 11. Weight:

- 39.9 kg (excl. battery)
- 52 kg (incl. battery)

### 12. Max Wind Resistance: 6 m/s



DB1560 Intelligent Flight Battery



T50 Smart Remote Controller



D12000iE Multifunctional Inverter Generator



C10000 Intelligent Charger

### Dual Atomizing Spraying System

**12. Operating Payload:** 40 L Spraying

**13. Droplet Size:** 50-500 μm

**14. Effective Spray Width:** 4-11 m (at a height of 3 m above the crops)

**15. Max Flow Rate:** 16 L/min (2 sprinklers); 24 L/min (4 sprinklers)

### T50 Spreading System

**16. Spread Tank Internal Load:** 50 kg

**17. Spread Width:** 8 m

### Phased Array Radar System

#### 18. Terrain Follow:

- Max slope in mapping-free operation: 50°
- Altitude detection range: 1-50 m

**19. Obstacle Avoidance:** Obstacle sensing range (multidirectional): 1-50 m

#### 20. Binocular Vision System:

- Measurement range: 0.5-29 m
- Effective Sensing Speed: ≤10 m/s

### Remote Controller

**21. Max Transmission Distance:** 7 km (FCC), 5 km (SRRC), 4 km (MIC/CE); (unobstructed, free of interference, and at an altitude of 2.5 m)

**22. GNSS:** GPS+Galileo+BeiDou

**23. Screen:** 7.02-in LCD touchscreen, with a resolution of 1920×1200 pixels, and high brightness of 1200 cd/m<sup>2</sup>

**24. Internal Battery Runtime:** 3 hours 18 minutes

**25. External Battery Runtime:** 2 hours 42 minutes

### DB1560 Intelligent Flight Battery

**26. Model:** DB1560 Intelligent Flight Battery (BAX702-30000mAh-52.22V)  
9 Minutes Charging Speed (Using DJI D12000i Genset)

### D12000iE Multifunctional Inverter Generator

#### 27. Output Channel:

- DC charging output 42-59.92V/9000W
- Power supply for Air-Cooled Heat Sink 12 V/6 A
- AC output 230V/1500W or 120V/750W

**28. Battery Charging Time:** To fully charge one battery (DB1560 battery) takes 9-12 mins

**29. Fuel Tank Capacity:** 30 L

**30. Max Power of Engine:** 12000 W