AUSTRALIA AGRITECH

DJI AGRICULTURE

DJI AGRAS T100

Big Drone, Big Jobs



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DJI AGRAS T100

The T100 Agricultural Drone, a groundbreaking creation twelve years in the making, boasts a maximum payload of 100 kilograms[1]. Its operational efficiency is doubled[2], supporting multiple application scenarios, including spraying, spreading, and lifting tasks. Featuring industry-leading safety systems[3] and advanced algorithms, it delivers unparalleled safety performance and an intelligent operational experience.





100 L spraying[1]



150 L spreading[4]



74.9 kg lifting[5]



13.8 m/s Maximum flight speed[6]



Industry-leading safety system[3]



Not affected by signal blockages

High water volume spraying, high efficiency

-100 L[1]large capacity
- Regular 11 m[7] spray width, 13.8 m/s speed[6]
- 30 L/min high flow rate (standard dual spray)
- 40 L/min high flow rate (optional 4 spray)

Large capacity for spreading, fast spreading

- 150 L[4]capacity
- 400 kg/min high flow rate[9]
- Brand-new screw feeder, double flow rate precision
- 10 m effective spreading width [10]
- Spreading efficiency increased by 66% [11]

Industry-leading safety system

- LiDAR + millimeter-wave radar
- Penta-Vision System
- Smart Trap-Escape
- Obstacle Type Detection
- Automatic Obstacle Position Memory, increasing safety with every flight
- AR safety assist Display [12]

Your Transport Assistant

- 80 kg Large Load Capacity [5]
- Real-Time Weighing
- Auto Balance Control
- Marking Loading and Unloading Points by Mobile
- Supports Single Battery/Dual Battery Lift Kit

Fast Charging, Economical and Energy-Saving

- Battery 41Ah
- 500 A high-power connector
- Front-mounted battery design, corrosion-resistant
- 1-year or 1,500-cycle warranty [13]
- Triple air-channel cooling system for rapid heat dispersion
- Ergonomic handle

Strong signal, fearless of obstructions

- O4 Transmissionresists interference, providing smooth and stable images
- O4 Relay, unaffected by mountain obstructions
- D-RTK 3 AG enabling plug-and-play centimeter-level positioning without the need to configure coordinates

[1]Measured at sea level, DJI Agriculture App intelligently recommends the appropriate loading weight based on the current status of the aircraft, environmental conditions, and operational tasks. Users are advised not to exceed the recommended maximum weight of the loaded granulars, may impact flight safety.
[2]Compared to the Agras T50 drone and accessories, test results may vary based on different testing conditions.
[3]The effective sensing range and its ability to avoid and bypass obstacles will vary depending on the ambient light, rain, fog, and the material, position, shape, and other properties of the obstacles. Downward sensing is used to assist in Terrain Following flight and altitude stabilization, while other directions assist with obstacle avoidance. Any collision between the bottom of the aircraft and obstacles shall be the customer's responsibility. In scenarios without linear obstacles, if a collision occurs at speeds up to 13.8 m/s resulting in aircraft damage, responsibility can be determined through log analysis, and the aircraft may be eligible for free warranty if non-human causes are identified. If there are linear obstacles like wires or guy wires on utility poles, please mark them as obstacles; otherwise, failure to bypass them will be the customer's responsibility.
- Note 1. Downward sensing assists in Terrain Following flight. If the bottom collides with obstacles, it is considered user responsibility.
- Note 2. Due to limitations in safety system performance, the aircraft cannot automatically avoid moving objects, and accidents of this nature will be attributed to user responsibility.
[4]Different granular densities vary, and the maximum load should not exceed 100 kg.
[5]A weight of 80 kg is measured below the triaxial force sensor (including the weight of the sling, and hook). Data was measured at sea level. The DJI Agras app will recommend the payload weight according to the current status and surroundings of the aircraft. When adding materials, the maximum weight should not exceed the recommended value, otherwise flight safety may be compromised. Users must comply with local regulations during operation.
[6]The actual operation speed of the drone is related to the terrain slope; the steeper the slope, the lower the operation speed. The maximum operating speed varies by country and operational mode, and is subject to local regulations and the actual firmware version.
[7]The effective spray width of the spraying system depends on the actual working scenario.
[8]The droplet diameter is measured by a laser particle size analyzer, with a 50-micron diameter using the DV75 standard.
[9]Measured with compound fertilizer. The maximum flow rate may vary due to differences in granule size, density, and surface smoothness of different fertilizers.
[10]Measured at an operating height of 3 m with a spinning disc speed of 1,100 r/min and a uniformity requirement of CV < 30%. Higher disc speeds and flight altitudes increase the spreading width.
[11]Compared to the T50 agricultural drone and its associated equipment, the operational speed was 13.8 m/s during the test. Overall efficiency conclusions may vary under different testing conditions.
[12]AR safety assistance features serve only as supplementary hints; operators must confirm the surrounding environment's safety during operation. Detection performance of sensors such as quad-vision and FPV cameras may vary depending on the ambient light, rain, fog, and the material, position, shape, and other properties of the obstacles.
[13]Batteries are covered by warranty for up to 1,500 charging cycles or 12 months, whichever ends first.