

Crop Spraying Drones Market projected to achieve a CAGR of 35.79% to reach US\$11.908 billion by 2028

The crop spraying drones market is estimated to grow at a CAGR of 35.79%, reaching US\$11.908 billion in 2028 from US\$1.399 billion in 2021.



NOIDA, UTTAR PARDESH, INDIA, November 21, 2023 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the [crop spraying drones market](#) is projected to grow at a CAGR of 35.79% between 2021 and 2028 to reach US\$11.908 billion by 2028.

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The crop spraying drones market share is predicted to expand significantly during the forecast period, owing to an increase in venture investment for the deployment of drones in the agriculture business globally. Furthermore, increased usage of precision agricultural solutions promotes market development throughout the projection period. Furthermore, an increase in demand for cost savings associated with human error is likely to push the [agriculture drone market](#) expansion.

Crop-spraying drones, also known as unmanned aerial vehicles (UAVs), play an important role in pesticide application inside agricultural fields. Their design aims to improve overall agricultural efficiency, crop output, and growth monitoring. Furthermore, these drones use [sensors](#) and powerful imaging technologies to offer farmers extensive information on their farms. Drones have had a tremendous impact on agriculture globally, boosting efficiency, lowering prices, and increasing profitability. The crop spraying drone market is expanding due to increased awareness about the harmful effects of pesticides on the environment and human well-being, which is a significant factor driving the need for crop spraying drones.

The market is witnessing multiple collaborations and technological advancements, for instance, Sentra, a major provider of agricultural analytics, announced FAA clearance of their UAS

Remote Identification solution in June 2023, assuring compliance with the most recent requirements. This technology is particularly designed to interact with the new PHX fixed-wing drone systems, allowing for easy compliance with regulatory standards.

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Based on type the global crop spraying drones market is divided into fixed-wing drones, rotary blade drones, and hybrid drones. The rotary-wing category has the largest market share, and it is expected to retain its dominance during the projected period. Rotary-wing drones are frequently used for several farming applications due to their great structural benefits. Rotary blade drones are expected to gain momentum in agricultural work due to their capacity to hover, maintain a clear line of sight on a single target for a lengthy period, and execute quick maneuvering.

Based on Geography North America held a sizable market share because of the region's strong need for technologically advanced machinery and drone systems to increase agricultural output. The Department of Transportation (DOT) and the Federal Aviation Administration (FAA) have established favorable regulations to facilitate small and commercial unmanned aerial systems by eliminating the requirement for a pilot's license. In the United States, commercial agriculture companies with vast farmlands have a substantial and devoted customer base. This, together with the presence of relevant manufacturing companies in the United States and Canada, is the reason for North America's supremacy in the crop spraying drone market share.

As a part of the report, the major players operating in the global crop spraying drones market, that have been covered are Fly Dragon Drone Tech., SZ DJI Technology Co., Ltd, Shenzhen GC Electronics Co., Ltd., Prodrone Co., Ltd., Parrot Drone SAS, HSE TTA-AMERICA, ASTA Technology Co. Ltd., Xi'an Wideworldz Aviation Technology Co., Ltd., AirBoard Inc.

The market analytics report segments the global crop spraying drones market using the following criteria:

- BY TYPE
 - o Fixed Wing Drone
 - o Rotary Blade Drone
 - o Hybrid Drone
- BY GEOGRAPHY
 - o North America
 - United States
 - Canada

- Mexico
- o South America
 - Brazil
 - Argentina
 - Others
- o Europe
 - Germany
 - France
 - United Kingdom
 - Spain
 - Italy
 - Others
- o Middle East and Africa
 - Saudi Arabia
 - UAE
 - Israel
 - Others
- o Asia Pacific
 - China
 - Japan
 - South Korea
 - India
 - Indonesia
 - Thailand
 - Taiwan
 - Others

Companies Profiled:

- Fly Dragon Drone Tech.
- SZ DJI Technology Co., Ltd
- shenzhen GC electronics Co.,Ltd.
- Prodrone Co., Ltd.
- Parrot Drone SAS
- HSE TTA-AMERICA

- ASTA Technology Co. Ltd.
- Xi'an Wideworldz Aviation Technology Co.,Ltd.
- AirBoard Inc.

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Ankit Mishra

Knowledge Sourcing Intelligence LLP

+1 850-250-1698

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