

Global Drone-based Agricultural Operation Services Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Drone-based Agricultural Operation Services market size is expected to reach \$ 3723 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Drone-based Agricultural Operation Services refer to agricultural service solutions delivered through drones, flight control systems, spraying or spreading devices, remote sensing sensors, positioning systems and agricultural data platforms. These services are used in fields, orchards, plantations, pastures and other farming scenarios for crop spraying, seeding, fertilizer spreading, crop monitoring, field mapping, pest and weed identification and agronomic decision support. The service is part of agricultural operation outsourcing and precision farming, aiming to improve operating efficiency, reduce labor dependence and optimize the use of pesticides, fertilizers, water and labor resources through unmanned, digital and precision-based methods. The pricing of Drone-based Agricultural Operation Services varies by service type and region, with crop spraying typically at USD 8?25 per acre, seeding and fertilizer spreading at USD 10?30 per acre, and field mapping or crop monitoring at USD 5?20 per acre or USD 500?1,500 per mission.

The upstream supply chain of Drone-based Agricultural Operation Services mainly includes agricultural drones, flight control and navigation systems, batteries and propulsion systems, spraying pumps, valves and nozzles, spreading devices, multispectral and thermal imaging sensors, RTK positioning modules, pesticides, fertilizers and agricultural software for mapping, AI recognition and agronomic analytics. The midstream is composed of drone service operators, crop protection teams, agricultural service platforms, machinery cooperatives and precision agriculture data service providers, which are responsible for equipment dispatching, pilot management,

field operation, data collection and service delivery. Downstream customers include field crop growers, cooperatives, farm owners, orchards, plantation companies, agrochemical distributors, agricultural insurers, government agricultural agencies and large farming groups, with demand mainly focused on cost reduction, efficiency improvement, pest control, precision application, crop growth management and digital farm management.

This report studies the global Drone-based Agricultural Operation Services demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Drone-based Agricultural Operation Services, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Drone-based Agricultural Operation Services that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Drone-based Agricultural Operation Services total market, 2021-2032, (USD Million)

Global Drone-based Agricultural Operation Services total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Drone-based Agricultural Operation Services total market, key domestic companies, and share, (USD Million)

Global Drone-based Agricultural Operation Services revenue by player, revenue and market share 2021-2026, (USD Million)

Global Drone-based Agricultural Operation Services total market by Type, CAGR, 2021-2032, (USD Million)

Global Drone-based Agricultural Operation Services total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Drone-based Agricultural Operation Services market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include DJI Agriculture, XAG, Sentra, Garuda Aerospace, Marut Drones / Marut Dronetech, Terra Drone Agri, Taranis, HEMAV, Aerobotics, FlyGuys, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Drone-based Agricultural Operation Services market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Drone-based Agricultural Operation Services Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Drone-based Agricultural Operation Services Market, Segmentation by Type:

Crop Spraying Services

Seeding and Fertilizer Spreading Services

Field Mapping and Crop Monitoring Services

Agricultural Data Analytics and Prescription Mapping Services

Other Agricultural Drone Services

Global Drone-based Agricultural Operation Services Market, Segmentation by Technical Capabilities:

Basic Aerial Scouting Services

Multispectral and Thermal Imaging Services

Precision Variable-rate Application Services

AI-based Agronomic Decision Services

Global Drone-based Agricultural Operation Services Market, Segmentation by Service Model:

On-demand Drone Services

Seasonal Managed Services

Platform-based Service Networks

Data Subscription Services

Global Drone-based Agricultural Operation Services Market, Segmentation by Application:

Field Crops

Orchards and Vineyards

Cash Crops and Plantations

Vegetables and Specialty Crops

Pasture, Forestry and Others

Companies Profiled:

DJI Agriculture

XAG

Sentera

Garuda Aerospace

Marut Drones / Marut Dronetech

Terra Drone Agri

Taranis

HEMAV

Aerobotics

FlyGuys

Rantizo

AgroScout

Agremo

Drone Ag

Fly The Farm

FarmDronesUK

Field Master Systems

LyonAg Drone Solutions

Sky Tech Solutions

AcuSpray

Scout Applicators

Alpha Drones USA

Ag-Bee

Key Questions Answered

1. How big is the global Drone-based Agricultural Operation Services market?
2. What is the demand of the global Drone-based Agricultural Operation Services market?
3. What is the year over year growth of the global Drone-based Agricultural Operation Services market?
4. What is the total value of the global Drone-based Agricultural Operation Services market?
5. Who are the Major Players in the global Drone-based Agricultural Operation Services market?
6. What are the growth factors driving the market demand?

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