

Global Forestry Drone Sprayer Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Forestry Drone Sprayer market size was valued at US\$ 528 million in 2025 and is forecast to a readjusted size of US\$ 1529 million by 2032 with a CAGR of 16.3% during review period.

Forestry Drone Sprayer refers to unmanned aerial spraying equipment used in forestry, plantations, ecological restoration, pest control, herbicide application, seedling protection, forest disease management, and hard-to-reach terrain spraying. These systems usually integrate a multi-rotor or unmanned helicopter platform, spray tank, pump, nozzles, flow control system, flight controller, RTK positioning, terrain-following radar, obstacle avoidance sensors, battery system, and mission planning software. In this report, the market mainly includes electric multi-rotor forestry sprayer drones, heavy-lift agricultural sprayer drones adapted for forestry, unmanned helicopter sprayers, variable-rate spraying drones, orchard and tree canopy spraying drones, and integrated forestry aerial application systems. The 2025 benchmark ASP is US\$13,500 / unit, shipment volume is 38.00k units, and average gross margin is 31%. The upstream industry chain includes motors, propellers, lithium batteries, flight controllers, GNSS/RTK modules, spray pumps, nozzles, tanks, sensors, cameras, carbon fiber structures, communication modules, and software components. The midstream includes drone platform design, spraying system integration, flight control software development, route planning, payload testing, waterproof testing, terrain-following calibration, safety certification, and after-sales service. The downstream includes forestry management, plantation forestry, agricultural plantations, ecological restoration, pest and disease control, government forestry agencies, forest fire prevention, and land management services.

Forestry drone sprayers are gaining adoption because forests, plantations, and sloped terrain are often difficult, costly, or unsafe for manual spraying and ground machinery. Compared with backpack sprayers, helicopters, or tractor-mounted equipment, drone sprayers can provide more flexible deployment, lower labor exposure, more precise application, and better access to remote or uneven areas. Demand is supported by forestry pest outbreaks, plantation management, reforestation projects, labor shortages, and the need for safer chemical application. Product development is moving toward larger payloads, better canopy penetration, terrain-following flight, obstacle avoidance, variable-rate spraying, longer flight endurance, and integrated mapping and spraying workflows. As forestry management becomes more digital and precision-oriented, drone spraying systems are expected to become an important tool for aerial plant protection and land management.

This report is a detailed and comprehensive analysis for global Forestry Drone Sprayer market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Forestry Drone Sprayer market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global Forestry Drone Sprayer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global Forestry Drone Sprayer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global Forestry Drone Sprayer market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (K US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Forestry Drone Sprayer

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Forestry Drone Sprayer market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Blue Origin, Lunar Resources, Helios, Metalysis, Airbus Defence and Space, Space Applications Services, Eta Space, Honeybee Robotics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Forestry Drone Sprayer market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Below 10 L Sprayer Drone

10?30 L Sprayer Drone

30?50 L Sprayer Drone

Above 50 L Sprayer Drone

Market segment by Power Type

Battery-Powered Sprayer Drone

Hybrid-Powered Sprayer Drone

Engine-Powered Unmanned Helicopter

Market segment by Spraying Mode

Fixed-Rate Spraying Drone

Variable-Rate Spraying Drone

Market segment by Application

Forestry Management

Ecological Restoration

Agricultural Plantations

Others

Major players covered

Blue Origin

Lunar Resources

Helios

Metalysis

Airbus Defence and Space

Space Applications Services

Eta Space

Honeybee Robotics

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Forestry Drone Sprayer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Forestry Drone Sprayer, with price, sales quantity, revenue, and global market share of Forestry Drone Sprayer from 2021 to 2026.

Chapter 3, the Forestry Drone Sprayer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Forestry Drone Sprayer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Forestry Drone Sprayer market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Forestry Drone Sprayer.

Chapter 14 and 15, to describe Forestry Drone Sprayer sales channel, distributors, customers, research findings and conclusion.

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