

Agriculture Drones Market by Offering (Hardware, Software and Services), Components, Payload Capacity, Medium-weight drones, Heavy-weight drones, Farming Environment, Application, Farm Produce, Range, Farm Size and Region - Global Forecast to 2028

<https://marketpublishers.com/r/A809E9EF9C3EN.html>

Date: June 2023

Pages: 378

Price: US\$ 4,950.00 (Single User License)

ID: A809E9EF9C3EN

Abstracts

The agricultural drone market is projected to grow from USD 4.5 Billion in 2023 to USD 17.9 Billion by 2028, at a CAGR of 31.5% during the forecast period. The increased awareness of digital agriculture has led to a growing demand for agriculture drones equipped with advanced imaging sensors. These drones enable farmers to monitor plant health, detect diseases or pests, and assess crop yields through high-resolution aerial imaging. The data collected helps farmers take timely actions, leading to improved productivity and resource efficiency, including targeted pesticide application and irrigation. Agriculture drones also offer benefits like reduced manual labor, faster data collection, and increased coverage of large agricultural areas, resulting in cost savings, improved efficiency, and higher crop yields. As more farmers recognize these advantages, the market for agriculture drones is expected to experience significant growth, supporting sustainable farming practices and meeting the global demand for food production.

“The Hardware segment is expected to account for the largest share in 2023.”

Hardware is expected to account for a larger share of the agriculture drone market in 2023. It includes drones, sensors, and equipment essential for capturing aerial data in agricultural operations. Drones with advanced imaging sensors and other components enable farmers to monitor crops, detect pests, and optimize resource management.

With the increasing demand for precision agriculture and data-driven farming, reliable and efficient drone hardware becomes crucial for enhancing productivity and improving crop yields. Investments in agriculture drone hardware are expected to drive market growth as farmers recognize the value of these technologies in optimizing farming practices and achieving sustainable agriculture goals.

“The Camera segment is projected to dominate the market share in the component segment during the forecast period.”

The camera systems are likely to account for the largest share of the agriculture drone market by 2028. By enabling high-resolution imaging and data collection of crops and fields. Advanced imaging sensors, including multispectral and thermal cameras, provide valuable insights into plant health, disease detection, and crop monitoring. The increasing demand for accurate and detailed aerial imagery in precision agriculture is driving the dominance of the camera segment. By capturing and analyzing visual data from drones, farmers can make informed decisions regarding irrigation, pesticide application, and overall crop management. The camera segment's prominence reflects the growing importance of visual data acquisition in driving the adoption of agriculture drones for optimized farming practices. With the ability to capture precise and actionable information, cameras contribute significantly to the advancement of digital agriculture and the improvement of crop productivity. The hyperspectral camera, for example, is most adapted to analyze weed encroachment in farms, whereas the LIDAR camera is best suited to disclose agricultural slopes and sun exposure. During the projected period, the market for navigation systems is predicted to develop at the fastest CAGR.

North America to grow significantly during the forecast period

North America is likely to grow significantly during the forecast period. Factors such as advanced agricultural practices, high adoption of precision farming, and a strong presence of drone manufacturers contribute to this growth. The region's farmers are increasingly recognizing the benefits of agriculture drones in optimizing crop monitoring, yield estimation, and pest management. North America's well-established regulatory framework and infrastructure support the safe operation of drones in agriculture. With a focus on enhancing productivity, ensuring sustainability, and meeting the growing demand for food production, North America emerges as a key growth region in the agriculture drone market. This is attributed to the exemption from the FAA under the part 107 rule, which is leading to the high adoption of drones in agricultural practices. Also, the increased demand for agriculture drones for agriculture applications has

attracted more venture capitalists to invest in the market. Many UAV manufacturers have raised funds through venture firms such as Qualcomm Ventures, Andreessen Horowitz, Intel Capital, Felicis Venture, and Google Ventures.

The break-up of the profile of primary participants in the agricultural drones market:

By Company Type: Tier 1 – 30%, Tier 2 – 45%, and Tier 3 – 25%

By Designation: CXOs – 25%, Manager– 50%, Executives-25%

By Region: Asia Pacific – 40%, Europe – 25%, North America – 25%, Rest of the world– 10%

Prominent companies include DJI (China), PrecisionHawk (US), Trimble Inc. (US), Parrot Drones (France), AeroVironment, Inc. (US), Yamaha Motor Co., Ltd. (Japan), AgEagle Aerial Systems, Inc. (US), DroneDeploy (US), 3DR (US), and Sentera Inc. (US) among others.

Research Coverage:

This research report categorizes the Agricultural drones market by Offering (Hardware, Software and Services, Others), Components (Frames, Controller Systems, Propulsion Systems, Camera Systems, Navigation Systems, Batteries, Others), Payload Capacity (Lightweight drones (up to 2 kg), Medium-weight drones (2 to 10 kg), Heavy-weight drones (Above 10 kg - up to 25 kg)), Farming Environment, Application, Farm Produce, Range (Qualitative), Farm Size (Qualitative) and Region. The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the Agricultural drones market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, and agreements. new product & service launches, mergers and acquisitions, and recent developments associated with the Agricultural drones market. Competitive analysis of upcoming startups in the Agricultural drones market ecosystem is covered in this report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall agricultural drones

market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Pressure on global food supply owing to growing world population, Increase in venture funding for development of agriculture drones), restraints (Security and safety concerns associated with civil and commercial application of drones, Air traffic management of commercial drones), opportunities (Exemptions by US Federal Aviation Administration for use of agriculture drones and Rising demand for drones in APAC countries), challenges (Management of data collected by agriculture drones and Standardization of communication interfaces and protocols for precision agriculture) influencing the growth of the agriculture drones market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the agriculture drones market.

Market Development: Comprehensive information about lucrative markets – the report analyses the agriculture drones market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the agriculture drones market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like DJI (China), PrecisionHawk (US), Trimble Inc. (US), Parrot Drones (France), AeroVironment, Inc. (US), Yamaha Motor Co., Ltd. (Japan), AgEagle Aerial Systems, Inc. (US), DroneDeploy (US), 3DR (US), and Sentera Inc. (US) among others in the agricultural drones market strategies. The report also helps stakeholders understand the agricultural drones market and provides them information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 MARKET SEGMENTATION

1.3.2 REGIONS COVERED

FIGURE 2 AGRICULTURE DRONES MARKET, BY REGION

1.4 INCLUSIONS & EXCLUSIONS

1.5 YEARS CONSIDERED

1.6 CURRENCY CONSIDERED

TABLE 1 USD EXCHANGE RATES CONSIDERED, 2019–2022

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

1.8.1 RECESSION IMPACT ANALYSIS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

2.2 MARKET SIZE ESTIMATION

2.2.1 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

FIGURE 5 AGRICULTURE DRONES MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

FIGURE 6 AGRICULTURE DRONES MARKET SIZE ESTIMATION (DEMAND SIDE)

2.2.2 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

FIGURE 7 AGRICULTURE DRONES MARKET SIZE ESTIMATION: TOP-DOWN

APPROACH

FIGURE 8 AGRICULTURE DRONES MARKET SIZE ESTIMATION, BY TYPE
(SUPPLY SIDE)

2.3 GROWTH RATE FORECAST ASSUMPTIONS

2.4 DATA TRIANGULATION

FIGURE 9 DATA TRIANGULATION

2.5 RESEARCH ASSUMPTIONS

TABLE 2 RESEARCH ASSUMPTIONS

2.6 LIMITATIONS AND RISK ASSESSMENT

TABLE 3 LIMITATIONS AND RISK ASSESSMENT

2.7 MACROINDICATORS OF RECESSION

FIGURE 10 INDICATORS OF RECESSION

FIGURE 11 WORLD INFLATION RATE: 2011-2021

FIGURE 12 GLOBAL GDP: 2011-2021 (USD TRILLION)

FIGURE 13 RECESSION INDICATORS AND THEIR IMPACT ON AGRICULTURE
DRONES MARKET

FIGURE 14 GLOBAL AGRICULTURE DRONES MARKET: EARLIER FORECAST VS.
RECESSION FORECAST

3 EXECUTIVE SUMMARY

TABLE 4 GLOBAL AGRICULTURE DRONES MARKET SNAPSHOT, 2023 VS. 2028

FIGURE 15 AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023 VS.
2028 (USD MILLION)

FIGURE 16 AGRICULTURE DRONES MARKET, BY OFFERING, 2023 VS. 2028

FIGURE 17 AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2023 VS.
2028 (USD MILLION)

FIGURE 18 AGRICULTURE DRONES MARKET, BY APPLICATION, 2023 VS. 2028
(USD MILLION)

FIGURE 19 AGRICULTURE DRONES MARKET, BY COMPONENT, 2023 VS. 2028
(USD MILLION)

FIGURE 20 AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2023
VS. 2028 (USD MILLION)

FIGURE 21 NORTH AMERICA ACCOUNTED FOR LARGEST SHARE IN 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN AGRICULTURE DRONES
MARKET

FIGURE 22 INCREASING DEMAND FOR HIGH-QUALITY CROP YIELD TO DRIVE MARKET

4.2 AGRICULTURE DRONES MARKET: GROWTH RATE OF MAJOR REGIONAL SUBMARKETS

FIGURE 23 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

4.3 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY APPLICATION & COUNTRY

FIGURE 24 HARDWARE SEGMENT AND CHINA TO ACCOUNT FOR SIGNIFICANT SHARE IN 2023

4.4 AGRICULTURE DRONES MARKET, BY COMPONENT, 2023 VS. 2028

FIGURE 25 PRECISION FARMING SEGMENT TO LEAD MARKET IN 2023 IN TERMS OF VALUE

FIGURE 26 HARDWARE SEGMENT TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD IN TERMS OF VALUE

4.5 AGRICULTURE DRONES MARKET, BY UNIT, 2023 VS. 2028

FIGURE 27 NORTH AMERICA TO BE DOMINANT MARKET DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MACROECONOMIC INDICATORS

5.2.1 REDUCTION IN ARABLE LAND

FIGURE 28 PER CAPITA ARABLE LAND, 2002–2022 (HA)

5.2.2 RAPID DIGITALIZATION

FIGURE 29 SMARTPHONE PENETRATION, BY REGION, 2019 VS. 2025

FIGURE 30 GLOBAL GNSS DEMAND, 2021 VS. 2031 (EUR BILLION)

5.3 MARKET DYNAMICS

5.3.1 INTRODUCTION

FIGURE 31 AGRICULTURE DRONES MARKET DYNAMICS

5.3.2 DRIVERS

5.3.2.1 Demand for optimization of farm management using agricultural drones

5.3.2.2 Favorable government policies, subsidies, and regulations to drive usage of digital agriculture tools

5.3.2.3 Availability of software solutions for field survey and data analytics

5.3.2.4 Growth in concerns regarding ecosystem change

5.3.3 RESTRAINTS

5.3.3.1 Security and safety concerns associated with civil and commercial application

of drones

5.3.3.2 Large number of fragmented lands in developing countries

5.3.3.3 Lack of technical knowledge and training activities

5.3.4 OPPORTUNITIES

5.3.4.1 Exemptions by US FAA for use of agriculture drones

5.3.4.2 High adoption of aerial data collection tools in agriculture

5.3.4.3 Increase in use of agricultural-based software via smartphones

5.3.4.4 Early detection of crop diseases and ease of farm management

5.3.5 CHALLENGES

5.3.5.1 Management of data collected by agriculture drones

5.3.5.2 Standardization of communication interfaces and protocols for precision agriculture

5.3.5.3 Lack of technical knowledge among farmers

5.3.5.4 Scarcity of trained pilots

5.3.5.5 High cost of drones to impact adoption among small-scale farmers

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 REGULATORY FRAMEWORK

6.2.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 5 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 6 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 7 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 ROW: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6.2.2 NORTH AMERICA

6.2.2.1 US

TABLE 9 US: ROBOTICS FOR AGRICULTURAL AND INDUSTRIAL USE

6.2.2.2 Canada

TABLE 10 CANADA: ROBOTIC MACHINERY AND ROBOT USAGE

6.2.2.3 Mexico

TABLE 11 MEXICO: DRONE CATEGORIES

6.2.3 EUROPEAN UNION (EU)

TABLE 12 EU: DRONE FLYING BASED ON INTENDED OPERATIONS

TABLE 13 EUROPE: AGRICULTURAL MACHINERY AND ROBOT PRODUCTION STANDARDS**6.2.4 ASIA PACIFIC****6.2.4.1 India****6.2.4.2 China****TABLE 14 CHINA: ARTICLES REGARDING AGRICULTURAL TECHNOLOGIES****TABLE 15 CHINA: DRONE CLASSIFICATION BASED ON WEIGHT****6.2.4.3 Australia****6.2.5 ROW****6.3 PATENT ANALYSIS****FIGURE 32 NUMBER OF PATENTS APPROVED FOR AGRICULTURE DRONES IN GLOBAL MARKET, 2012–2022****FIGURE 33 JURISDICTIONS WITH HIGHEST PATENT APPROVALS FOR AGRICULTURE DRONES, 2012–2022****6.4 VALUE CHAIN ANALYSIS****6.4.1 RESEARCH & DEVELOPMENT****6.4.2 DEVICE & COMPONENT MANUFACTURERS****6.4.3 SYSTEM INTEGRATORS****6.4.4 SERVICE PROVIDERS****6.4.5 END USERS****FIGURE 34 VALUE CHAIN ANALYSIS: AGRICULTURE DRONES MARKET****6.5 TRENDS/DISRUPTIONS IMPACTING BUYERS IN AGRICULTURE DRONES MARKET****FIGURE 35 AGRICULTURE DRONES MARKET: TRENDS IMPACTING BUYERS****6.6 MARKET ECOSYSTEM****6.6.1 UPSTREAM****6.6.2 DOWNSTREAM****TABLE 17 AGRICULTURE DRONES: ECOSYSTEM VIEW****6.7 TRADE ANALYSIS****TABLE 18 IMPORT DATA OF AGRICULTURAL MACHINERY, BY COUNTRY, 2022 (USD MILLION)****TABLE 19 EXPORT DATA OF AGRICULTURAL MACHINERY, BY COUNTRY, 2022 (USD MILLION)****6.8 KEY CONFERENCES & EVENTS****TABLE 20 AGRICULTURE DRONES MARKET: CONFERENCES & EVENTS, 2023–2024****6.9 CASE STUDY ANALYSIS****6.9.1 USE CASE 1: EAVISION LAUNCHES NEW INTELLIGENT AGRICULTURAL SPRAYING DRONE IN CHINA**

6.9.2 USE CASE 2: PARROT LAUNCHES ANAFI THERMAL

6.9.3 ANNA BINNA FARMS USES AGWORLD SOFTWARE PLATFORM FOR FARM RECORD-KEEPING

6.10 TECHNOLOGY ANALYSIS

6.10.1 ARTIFICIAL INTELLIGENCE

6.10.1.1 Crop yield production and price forecast

6.10.2 IOT

6.10.3 ADVANCED UNMANNED AERIAL VEHICLES

6.11 PORTER'S FIVE FORCES ANALYSIS

TABLE 21 AGRICULTURE DRONES MARKET: PORTER'S FIVE FORCES ANALYSIS

6.11.1 THREAT OF NEW ENTRANTS

6.11.2 THREAT OF SUBSTITUTES

6.11.3 BARGAINING POWER OF SUPPLIERS

6.11.4 BARGAINING POWER OF BUYERS

6.11.5 INTENSITY OF COMPETITIVE RIVALRY

6.12 KEY STAKEHOLDERS IN BUYING PROCESS

TABLE 22 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY OFFERING

6.13 BUYING CRITERIA

TABLE 23 KEY BUYING CRITERIA FOR AGRICULTURE DRONE, BY OFFERING

6.14 AVERAGE SELLING PRICE (ASP) ANALYSIS

TABLE 24 LIGHT WEIGHT DRONES: GLOBAL AGRICULTURE DRONES MARKET, PRICES BY PAYLOAD CAPACITY,2020-2022 (USD)

TABLE 25 MEDIUM WEIGHT DRONES: GLOBAL AGRICULTURE DRONES MARKET, PRICES BY PAYLOAD CAPACITY,2020-2022 (USD)

TABLE 26 HEAVY WEIGHT DRONES: GLOBAL AGRICULTURE DRONES MARKET, PRICES BY PAYLOAD CAPACITY,2020-2022 (USD)

7 AGRICULTURE DRONES MARKET, BY APPLICATION

7.1 INTRODUCTION

TABLE 27 AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 28 AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 29 AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (UNITS)

TABLE 30 AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (UNITS)

FIGURE 37 PRECISION FARMING TO GROW FASTEST DURING FORECAST PERIOD

7.2 PRECISION FARMING

TABLE 31 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 32 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 33 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY SUB-APPLICATION, 2018–2022 (USD MILLION)

TABLE 34 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY SUB-APPLICATION, 2023–2028 (USD MILLION)

TABLE 35 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 36 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 37 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 38 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

TABLE 39 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY SOFTWARE & SERVICE, 2018–2022 (USD MILLION)

TABLE 40 PRECISION FARMING: AGRICULTURE DRONES MARKET, BY SOFTWARE & SERVICE, 2023–2028 (USD MILLION)

7.2.1 FIELD MAPPING

7.2.1.1 Weed detection

7.2.1.1.1 Global research institutes to develop agriculture drones for detecting weeds

7.2.1.2 Plant counting

7.2.1.2.1 Startups to develop and test agriculture drones for counting crops

7.2.1.3 Crop health monitoring

7.2.1.3.1 Governmental organizations to work on projects of crop health monitoring using agriculture drone

7.2.1.4 Harvest season monitoring

7.2.1.4.1 Agriculture drones with payloads such as multispectral and thermal cameras to help farmers and agronomists to monitor crops

7.2.1.5 Others

7.2.2 VARIABLE RATE APPLICATION

7.2.2.1 Several top players in market to offer products for VRAs to maximize productivity

7.2.3 CROP SCOUTING

7.2.3.1 Farmers and agronomists to use agriculture drones with NDVI or NIR sensors for crop scouting

7.2.4 CROP SPRAYING

7.2.4.1 Effectiveness of crop spraying through drones to drive market

7.2.5 OTHERS

7.3 PRECISION FARMING CASE STUDY ANALYSIS

7.4 LIVESTOCK MONITORING

7.4.1 GROWTH OF LIVESTOCK MONITORING TO BE DRIVEN BY ADVANCEMENTS IN DRONE TECHNOLOGY

TABLE 41 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 42 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET FOR, BY REGION, 2023–2028 (USD MILLION)

TABLE 43 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 44 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 45 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 46 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

TABLE 47 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY SOFTWARE & SERVICE, 2018–2022 (USD MILLION)

TABLE 48 LIVESTOCK MONITORING: AGRICULTURE DRONES MARKET, BY SOFTWARE & SERVICE, 2023–2028 (USD MILLION)

7.5 LIVESTOCK MONITORING CASE STUDY ANALYSIS

7.6 PRECISION FISH FARMING

7.6.1 IMAGING SOFTWARE TO HOLD LARGEST SHARE OF AGRICULTURE DRONE MARKET FOR PRECISION FISH FARMING IN NEXT FIVE YEARS

TABLE 49 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 50 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 51 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 52 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 53 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY

HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 54 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY
HARDWARE TYPE, 2023–2028 (USD MILLION)

TABLE 55 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY
SOFTWARE & SERVICE, 2018–2022 (USD MILLION)

TABLE 56 PRECISION FISH FARMING: AGRICULTURE DRONES MARKET, BY
SOFTWARE & SERVICE, 2023–2028 (USD MILLION)

7.7 PRECISION FISH FARMING CASE STUDY ANALYSIS

7.8 SMART GREENHOUSE

7.8.1 DRONES TO BE EQUIPPED WITH SMART SENSOR TECHNOLOGIES TO
MONITOR ENVIRONMENTAL PARAMETERS

TABLE 57 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY REGION,
2018–2022 (USD MILLION)

TABLE 58 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY REGION,
2023–2028 (USD MILLION)

TABLE 59 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY
OFFERING, 2018–2022 (USD MILLION)

TABLE 60 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY
OFFERING, 2023–2028 (USD MILLION)

TABLE 61 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY
HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 62 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY
HARDWARE TYPE, 2023–2028 (USD MILLION)

TABLE 63 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY
SOFTWARE & SERVICE, 2018–2022 (USD MILLION)

TABLE 64 SMART GREENHOUSE: AGRICULTURE DRONES MARKET, BY
SOFTWARE & SERVICE, 2023–2028 (USD MILLION)

7.9 SMART GREENHOUSE CASE STUDY ANALYSIS

7.10 OTHERS

TABLE 65 OTHERS: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022
(USD MILLION)

TABLE 66 OTHERS: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028
(USD MILLION)

TABLE 67 OTHERS: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022
(USD MILLION)

TABLE 68 OTHERS: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028
(USD MILLION)

TABLE 69 OTHERS: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2018–2022 (USD MILLION)

TABLE 70 OTHERS: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

TABLE 71 OTHERS: AGRICULTURE DRONES MARKET, BY SOFTWARE & SERVICE, 2018–2022 (USD MILLION)

TABLE 72 OTHERS: AGRICULTURE DRONES MARKET, BY SOFTWARE & SERVICE, 2023–2028 (USD MILLION)

7.11 OTHER APPLICATIONS CASE STUDY ANALYSIS

8 AGRICULTURE DRONES MARKET, BY COMPONENT

8.1 INTRODUCTION

TABLE 73 AGRICULTURE DRONES MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 74 AGRICULTURE DRONES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

FIGURE 38 NAVIGATION SYSTEMS TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

8.2 FRAMES

8.2.1 HIGH VERSATILITY OF FIBER GLASS TO DRIVE USAGE FOR FRAMES IN AGRICULTURE DRONES

8.3 CONTROLLER SYSTEMS

8.3.1 ADVANCEMENTS IN REMOTE CONTROLLER SYSTEMS TO DRIVE USAGE IN AUTOMATION IN MARKET

8.4 PROPULSION SYSTEMS

8.4.1 PROPULSIONS SYSTEMS TO EXHIBIT HIGHEST ADOPTION IN HYBRID DRONES IN NEXT FIVE YEARS

8.5 CAMERA SYSTEMS

TABLE 75 CAMERA SYSTEMS: AGRICULTURE DRONES MARKET, 2018–2022 (USD MILLION)

TABLE 76 CAMERA SYSTEMS: AGRICULTURE DRONES MARKET, 2023–2028 (USD MILLION)

8.5.1 MULTISPECTRAL CAMERAS

8.5.1.1 Efficient image sensors of multispectral sensors to drive growth

8.5.2 IR CAMERAS

8.5.2.1 IR cameras to be used for precision farming applications

8.5.3 THERMAL CAMERAS

8.5.3.1 Optimization of irrigation through thermal cameras to drive growth

8.5.4 LIDAR CAMERAS

8.5.4.1 High efficiency of LIDAR cameras to drive market

8.5.5 OTHERS

8.5.5.1 High-resolution cameras to be used majorly for studying health of plants

8.6 NAVIGATION SYSTEMS

TABLE 77 NAVIGATION SYSTEMS: AGRICULTURE DRONES MARKET, 2018–2022 (USD MILLION)

TABLE 78 NAVIGATION SYSTEMS: AGRICULTURE DRONES MARKET, 2023–2028 (USD MILLION)

8.6.1 GLOBAL POSITIONING SYSTEM (GPS)

8.6.1.1 Real time field monitoring and weed monitoring to drive usage of GPS in agriculture drones

8.6.2 GEOGRAPHIC INFORMATION SYSTEM (GIS)

8.6.2.1 Precise navigation and accurate mapping to promote sustainable farming practices

8.7 BATTERIES

8.7.1 LONGER CAPACITY AND LOWER DISCHARGE RATE TO DRIVE USAGE OF BATTERIES IN SURVEYING AGRICULTURE DRONES

8.8 OTHERS

8.8.1 SPRAYERS AND SPRINKLERS TO BE USED IN CROP SPRAYING AND CROP SEEDING

9 AGRICULTURE DRONES MARKET, BY FARM PRODUCE

9.1 INTRODUCTION

FIGURE 39 AGRICULTURE DRONES MARKET SIZE, BY FARM PRODUCE, 2023 VS. 2028 (USD MILLION)

TABLE 79 AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2018–2022 (USD MILLION)

TABLE 80 AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023–2028 (USD MILLION)

TABLE 81 CEREALS & GRAINS: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 82 CEREALS & GRAINS: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 83 OILSEEDS & PULSES: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 84 OILSEEDS & PULSES: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 85 FRUITS & VEGETABLES: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 86 FRUITS & VEGETABLES: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 87 OTHER CROP TYPE: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 88 OTHER CROP TYPE: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 89 AGRICULTURE DRONES MARKET: AREA UNDER DRONES APPLICATION, BY REGION (2021-2022)

9.2 CEREALS AND GRAINS

9.2.1 INNOVATION AND TECHNOLOGICAL ADVANCEMENTS TO DRIVE DEMAND FOR AGRICULTURE DRONES

TABLE 90 CEREALS & GRAINS: AGRICULTURE DRONES MARKET, 2018–2022 (USD MILLION)

TABLE 91 CEREALS & GRAINS: AGRICULTURE DRONES MARKET, 2023–2028 (USD MILLION)

9.2.2 CORN

9.2.3 WHEAT

9.2.4 RICE

9.2.5 OTHER CEREALS AND GRAINS

9.3 OILSEEDS AND PULSES

9.3.1 AGRICULTURE DRONES EQUIPPED WITH INFRARED, MULTISPECTRAL, AND HYPERSPECTRAL SENSORS TO ANALYZE CROP HEALTH AND SOIL CONDITIONS

TABLE 92 OILSEEDS & PULSES: AGRICULTURE DRONES MARKET, 2018–2022 (USD MILLION)

TABLE 93 OILSEEDS & PULSES: AGRICULTURE DRONES MARKET, 2023–2028 (USD MILLION)

9.3.2 SOYBEAN

9.3.3 SUNFLOWER

9.3.4 OTHER OILSEEDS AND PULSES

9.4 FRUITS AND VEGETABLES

9.4.1 AGRICULTURE DRONES TO CONTRIBUTE TO FRUIT PRODUCTION AND YIELD

TABLE 94 FRUITS & VEGETABLES: AGRICULTURE DRONES MARKET, 2018–2022 (USD MILLION)

TABLE 95 FRUITS & VEGETABLES: AGRICULTURE DRONES MARKET, 2023–2028 (USD MILLION)

9.4.2 POME FRUITS

9.4.3 CITRUS FRUITS

9.4.4 BERRIES

9.4.5 ROOT AND TUBER VEGETABLES

9.4.6 LEAFY VEGETABLES

9.4.7 OTHER FRUITS AND VEGETABLES

9.5 OTHER CROP TYPES (TURF & ORNAMENTALS, PLANTATION CROPS, FIBER CROPS, AND SILAGE & FORAGE CROPS)

10 AGRICULTURE DRONES MARKET, BY OFFERING

10.1 INTRODUCTION

FIGURE 40 SOFTWARE AND SERVICES TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 96 AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 97 AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.2 HARDWARE

TABLE 98 HARDWARE: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 99 HARDWARE: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 100 HARDWARE: AGRICULTURE DRONES MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 101 HARDWARE: AGRICULTURE DRONES MARKET, BY TYPE, 2023–2028 (USD MILLION)

10.2.1 FIXED WING DRONES

10.2.1.1 Long distance coverage and maximum flying time to drive usage of fixed wing drones for field navigation

10.2.2 ROTARY BLADE DRONES

10.2.2.1 Rotary blade drones to be in demand due to versatility, precision, cost-effectiveness, flexibility, and real-time monitoring

10.2.3 HYBRID DRONES

10.2.3.1 Hybrid drones to be used majorly for precision farming applications

10.3 SOFTWARE AND SERVICES

TABLE 102 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 103 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 104 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET, BY

TYPE, 2018–2022 (USD MILLION)

TABLE 105 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET FOR SOFTWARE, BY TYPE, 2023–2028 (USD MILLION)

10.3.1 DATA MANAGEMENT SOFTWARE

10.3.1.1 Easy to understand and actionable insights from field to drive usage of software for drone data management

10.3.2 IMAGING SOFTWARE

10.3.3 DATA ANALYTICS SOFTWARE

11 AGRICULTURE DRONES MARKET, BY RANGE

11.1 INTRODUCTION

11.2 VISUAL LINE OF SIGHT (VLOS)

11.3 BEYOND VISUAL LINE OF SIGHT (BVLOS)

12 AGRICULTURAL DRONES MARKET, BY PAYLOAD CAPACITY

12.1 INTRODUCTION

FIGURE 41 AGRICULTURE DRONES MARKET SIZE, BY PAYLOAD CAPACITY, 2023 VS. 2028 (USD MILLION)

TABLE 106 AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2018–2022 (USD MILLION)

TABLE 107 AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2023–2028 (USD MILLION)

12.2 LIGHT-WEIGHT DRONES (UP TO 2 KG)

12.2.1 LIGHT-WEIGHT DRONES TO PROVIDE VALUABLE DATA FOR INFORMED DECISION-MAKING

TABLE 108 LIGHT-WEIGHT DRONES (UP TO 2 KG): AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 109 LIGHT-WEIGHT DRONES (UP TO 2 KG): AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.3 MEDIUM-WEIGHT DRONES (2 TO 10 KG)

12.3.1 VERSATILITY, AFFORDABILITY, AND ADVANCED DATA COLLECTION CAPABILITIES TO DRIVE GROWTH

TABLE 110 MEDIUM-WEIGHT DRONES (2 TO 10 KG): AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 111 MEDIUM-WEIGHT DRONES (2 TO 10 KG): AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.4 HEAVY-WEIGHT DRONES (ABOVE 10 KG - UP TO 25 KG)

12.4.1 ABILITY TO CARRY LARGER PAYLOADS TO DRIVE ADOPTION OF AGRICULTURE DRONES

TABLE 112 HEAVY-WEIGHT DRONES (ABOVE 10 KG - UP TO 25 KG):
AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 113 HEAVY-WEIGHT DRONES (ABOVE 10 KG - UP TO 25 KG):
AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

13 AGRICULTURE DRONES MARKET, BY FARM SIZE

13.1 INTRODUCTION

13.2 SMALL FARMS

13.3 MID-SIZED FARMS

13.4 LARGE FARMS

14 AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT

14.1 INTRODUCTION

TABLE 114 AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT,
2018–2022 (USD MILLION)

TABLE 115 AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT,
2023–2028 (USD MILLION)

14.2 OUTDOOR

14.2.1 ADOPTION OF AGRICULTURE DRONES FOR CROP SPRAYING AND
VARIABLE RATE APPLICATION TO DRIVE GROWTH

TABLE 116 OUTDOOR FARMING ENVIRONMENT: AGRICULTURE DRONES
MARKET, 2018–2022 (USD MILLION)

TABLE 117 OUTDOOR FARMING ENVIRONMENT: AGRICULTURE DRONES
MARKET, 2023–2028 (USD MILLION)

14.3 INDOOR

14.3.1 USAGE OF DRONES IN POLLINATION APPLICATION TO DRIVE GROWTH
TABLE 118 INDOOR FARMING ENVIRONMENT: AGRICULTURE DRONES MARKET,
2018–2022 (USD MILLION)

TABLE 119 INDOOR FARMING ENVIRONMENT: AGRICULTURE DRONES MARKET,
2023–2028 (USD MILLION)

15 AGRICULTURE DRONES MARKET, BY REGION

15.1 INTRODUCTION

FIGURE 42 AGRICULTURE DRONES MARKET: GEOGRAPHIC SNAPSHOT

TABLE 120 AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 121 AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 122 AGRICULTURE DRONES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 123 AGRICULTURE DRONES MARKET, BY REGION, 2023–2028 (UNITS)

15.2 NORTH AMERICA

FIGURE 43 NORTH AMERICA: AGRICULTURE DRONES MARKET SNAPSHOT

15.3 NORTH AMERICA: RECESSION IMPACT ANALYSIS

TABLE 124 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 125 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 126 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 127 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 128 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN NORTH AMERICA, 2018–2022 (USD MILLION)

TABLE 129 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN NORTH AMERICA, 2023–2028 (USD MILLION)

TABLE 130 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN NORTH AMERICA, 2018–2022 (USD MILLION)

TABLE 131 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN NORTH AMERICA, 2023–2028 (USD MILLION)

TABLE 132 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2018–2022 (USD MILLION)

TABLE 133 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 134 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 135 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 136 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2018–2022 (USD MILLION)

TABLE 137 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023–2028 (USD MILLION)

TABLE 138 NORTH AMERICA: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2018–2022 (USD MILLION)

TABLE 139 NORTH AMERICA: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2023–2028 (USD MILLION)

TABLE 140 NORTH AMERICA: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2018–2022 (USD MILLION)

TABLE 141 NORTH AMERICA: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2023–2028 (USD MILLION)

TABLE 142 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2018–2022 (USD MILLION)

TABLE 143 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2023–2028 (USD MILLION)

TABLE 144 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2018–2022 (USD MILLION)

TABLE 145 NORTH AMERICA: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2023–2028 (USD MILLION)

TABLE 146 HARDWARE TYPE: NORTH AMERICA AGRICULTURE DRONES MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 147 HARDWARE TYPE: NORTH AMERICA AGRICULTURE DRONES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

15.3.1 US

15.3.1.1 Large investments in R&D to drive market

15.3.1.2 Regulations for commercial drones in the US

TABLE 148 US: AGRICULTURE DRONES MARKET, BY HARDWARE, 2018–2022 (USD MILLION)

TABLE 149 US: AGRICULTURE DRONES MARKET, BY HARDWARE, 2023–2028 (USD MILLION)

15.3.2 CANADA

15.3.2.1 Constant enhancements and developments in precision farming practices to drive growth

15.3.2.2 Regulations for commercial drones in Canada

TABLE 150 CANADA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 151 CANADA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.3.3 MEXICO

15.3.3.1 Financial support for digital agriculture to drive growth

15.3.3.2 Regulations for commercial drones in Mexico

TABLE 152 MEXICO: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 153 MEXICO: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,

2023–2028 (USD MILLION)

15.4 EUROPE

TABLE 154 EUROPE: AGRICULTURE DRONES MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 155 EUROPE: AGRICULTURE DRONES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 156 EUROPE: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 157 EUROPE: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 158 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN EUROPE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 159 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN EUROPE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 160 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN EUROPE, 2018–2022 (USD MILLION)

TABLE 161 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN EUROPE, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 162 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN EUROPE, 2018–2022 (USD MILLION)

TABLE 163 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN EUROPE, 2023–2028 (USD MILLION)

TABLE 164 EUROPE: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2018–2022 (USD MILLION)

TABLE 165 EUROPE: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 166 EUROPE: AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 167 EUROPE: AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 168 EUROPE: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2018–2022 (USD MILLION)

TABLE 169 EUROPE: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023–2028 (USD MILLION)

TABLE 170 EUROPE: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2018–2022 (USD MILLION)

TABLE 171 EUROPE: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2023–2028 (USD MILLION)

TABLE 172 EUROPE: AGRICULTURE DRONES MARKET, OILSEEDS & PULSES,

2018–2022 (USD MILLION)

TABLE 173 EUROPE: AGRICULTURE DRONES MARKET, OILSEEDS & PULSES,
2023–2028 (USD MILLION)

TABLE 174 EUROPE: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE,
2018–2022 (USD MILLION)

TABLE 175 EUROPE: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE,
2023–2028 (USD MILLION)

TABLE 176 EUROPE: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY,
2018–2022 (USD MILLION)

TABLE 177 EUROPE: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY,
2023–2028 (USD MILLION)

15.5 EUROPE: RECESSION IMPACT ANALYSIS

15.5.1 UK

15.5.1.1 Availability of user-friendly technologies to drive growth

15.5.1.2 Regulations for commercial drones in the UK

TABLE 178 UK: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2018–2022 (USD MILLION)

TABLE 179 UK: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2023–2028 (USD MILLION)

15.5.2 GERMANY

15.5.2.1 High adoption rate of agriculture drones for livestock monitoring to drive
growth

15.5.2.2 Regulations for commercial drones in Germany

TABLE 180 GERMANY: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2018–2022 (USD MILLION)

TABLE 181 GERMANY: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2023–2028 (USD MILLION)

15.5.3 FRANCE

15.5.3.1 Application of drones in crop mapping to drive growth

15.5.3.2 Regulations for commercial drones in France

TABLE 182 FRANCE: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2018–2022 (USD MILLION)

TABLE 183 FRANCE: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2023–2028 (USD MILLION)

15.5.4 ITALY

15.5.4.1 Agriculture drones to be used for insurance of crops or farmlands

15.5.4.2 Regulations for commercial drones in Italy

TABLE 184 ITALY: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,
2018–2022 (USD MILLION)

TABLE 185 ITALY: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.5.5 SPAIN

15.5.5.1 Agriculture drones to create weed infestation maps for farmers

15.5.5.2 Regulations for commercial drones in Spain

TABLE 186 SPAIN: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 187 SPAIN: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.5.6 REST OF EUROPE

TABLE 188 REST OF EUROPE: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 189 REST OF EUROPE: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.6 ASIA PACIFIC

15.6.1 ASIA PACIFIC: RECESSION IMPACT ANALYSIS

FIGURE 44 ASIA PACIFIC: AGRICULTURE DRONES MARKET SNAPSHOT

TABLE 190 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 191 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 192 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 193 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 194 HARDWARE: AGRICULTURE DRONES MARKET IN ASIA PACIFIC, 2018–2022 (USD MILLION)

TABLE 195 HARDWARE: AGRICULTURE DRONES MARKET IN ASIA PACIFIC, 2023–2028 (USD MILLION)

TABLE 196 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN ASIA PACIFIC, 2018–2022 (USD MILLION)

TABLE 197 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN ASIA PACIFIC, 2023–2028 (USD MILLION)

TABLE 198 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2018–2022 (USD MILLION)

TABLE 199 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 200 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 201 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 202 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2018–2022 (USD MILLION)

TABLE 203 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023–2028 (USD MILLION)

TABLE 204 ASIA PACIFIC: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2018–2022 (USD MILLION)

TABLE 205 ASIA PACIFIC: AGRICULTURE DRONES MARKET SIZE, CEREALS & GRAINS, 2023–2028 (USD MILLION)

TABLE 206 ASIA PACIFIC: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2018–2022 (USD MILLION)

TABLE 207 ASIA PACIFIC: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2023–2028 (USD MILLION)

TABLE 208 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2018–2022 (USD MILLION)

TABLE 209 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2023–2028 (USD MILLION)

TABLE 210 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2018–2022 (USD MILLION)

TABLE 211 ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2023–2028 (USD MILLION)

TABLE 212 HARDWARE: AGRICULTURE DRONES MARKET IN ASIA PACIFIC, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 213 HARDWARE: AGRICULTURE DRONES MARKET IN ASIA PACIFIC, BY COUNTRY, 2023–2028 (USD MILLION)

15.6.2 CHINA

15.6.2.1 Increasing government spending to drive market

15.6.2.2 Regulations for commercial drones in China

TABLE 214 CHINA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 215 CHINA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.6.3 INDIA

15.6.3.1 Agriculture drones to be used for surveying farms and assessing crop losses

15.6.3.2 Regulations for commercial drones in India

TABLE 216 INDIA: AGRICULTURE DRONES MARKET, BY HARDWARE, 2018–2022 (USD MILLION)

TABLE 217 INDIA: AGRICULTURE DRONES MARKET, BY HARDWARE, 2023–2028

(USD MILLION)

15.6.4 JAPAN

15.6.4.1 Increasing adoption of technology to drive growth

15.6.4.2 Regulations for commercial drones in Japan

TABLE 218 JAPAN: AGRICULTURE DRONES MARKET, BY HARDWARE, 2018–2022
(USD MILLION)

TABLE 219 JAPAN: AGRICULTURE DRONES MARKET, BY HARDWARE, 2023–2028
(USD MILLION)

15.6.5 AUSTRALIA AND NEW ZEALAND

15.6.5.1 Different application and use of agriculture drones to boost demand

15.6.5.2 Regulations for commercial drones in Australia

15.6.5.3 Regulations for commercial drones in Australia

TABLE 220 AUSTRALIA & NEW ZEALAND: AGRICULTURE DRONES MARKET, BY
HARDWARE, 2018–2022 (USD MILLION)

TABLE 221 AUSTRALIA & NEW ZEALAND: AGRICULTURE DRONES MARKET, BY
HARDWARE, 2023–2028 (USD MILLION)

15.6.6 REST OF ASIA PACIFIC

15.6.6.1 Adoption of newer technologies to enhance farming activities and drive
growth

TABLE 222 REST OF ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY
HARDWARE, 2018–2022 (USD MILLION)

TABLE 223 REST OF ASIA PACIFIC: AGRICULTURE DRONES MARKET, BY
HARDWARE, 2023–2028 (USD MILLION)

15.7 SOUTH AMERICA

15.7.1 SOUTH AMERICA: RECESSION IMPACT

TABLE 224 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY COUNTRY,
2018–2022 (USD MILLION)

TABLE 225 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY COUNTRY,
2023–2028 (USD MILLION)

TABLE 226 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY OFFERING,
2018–2022 (USD MILLION)

TABLE 227 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY OFFERING,
2023–2028 (USD MILLION)

TABLE 228 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN SOUTH
AMERICA, 2018–2022 (USD MILLION)

TABLE 229 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN SOUTH
AMERICA, 2023–2028 (USD MILLION)

TABLE 230 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN
SOUTH AMERICA, 2018–2022 (USD MILLION)

TABLE 231 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN SOUTH AMERICA, 2023–2028 (USD MILLION)

TABLE 232 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2018–2022 (USD MILLION)

TABLE 233 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 234 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 235 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 236 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2018–2022 (USD MILLION)

TABLE 237 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023–2028 (USD MILLION)

TABLE 238 SOUTH AMERICA: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2018–2022 (USD MILLION)

TABLE 239 SOUTH AMERICA: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2023–2028 (USD MILLION)

TABLE 240 SOUTH AMERICA: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2018–2022 (USD MILLION)

TABLE 241 SOUTH AMERICA: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2023–2028 (USD MILLION)

TABLE 242 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2018–2022 (USD MILLION)

TABLE 243 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2023–2028 (USD MILLION)

TABLE 244 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2018–2022 (USD MILLION)

TABLE 245 SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2023–2028 (USD MILLION)

TABLE 246 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN SOUTH AMERICA, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 247 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN SOUTH AMERICA, BY COUNTRY, 2023–2028 (USD MILLION)

15.7.2 BRAZIL

15.7.2.1 Growth in agriculture activities to boost market for digital agriculture

TABLE 248 BRAZIL: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 249 BRAZIL: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE,

2023–2028 (USD MILLION)

15.7.3 ARGENTINA

15.7.3.1 Increase in public-private partnerships for agricultural innovations to drive growth

TABLE 250 ARGENTINA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 251 ARGENTINA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.7.4 REST OF SOUTH AMERICA

TABLE 252 REST OF SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 253 REST OF SOUTH AMERICA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.8 ROW

15.8.1 ROW: RECESSION IMPACT

TABLE 254 ROW: AGRICULTURE DRONES MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 255 ROW: AGRICULTURE DRONES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 256 ROW: AGRICULTURE DRONES MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 257 ROW: AGRICULTURE DRONES MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 258 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN ROW, 2018–2022 (USD MILLION)

TABLE 259 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN ROW, 2023–2028 (USD MILLION)

TABLE 260 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN ROW, 2018–2022 (USD MILLION)

TABLE 261 SOFTWARE & SERVICES: AGRICULTURE DRONES MARKET IN ROW, 2023–2028 (USD MILLION)

TABLE 262 ROW: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2018–2022 (USD MILLION)

TABLE 263 ROW: AGRICULTURE DRONES MARKET, BY FARMING ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 264 ROW: AGRICULTURE DRONES MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 265 ROW: AGRICULTURE DRONES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 266 ROW: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2018–2022 (USD MILLION)

TABLE 267 ROW: AGRICULTURE DRONES MARKET, BY FARM PRODUCE, 2023–2028 (USD MILLION)

TABLE 268 ROW: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2018–2022 (USD MILLION)

TABLE 269 ROW: AGRICULTURE DRONES MARKET, CEREALS & GRAINS, 2023–2028 (USD MILLION)

TABLE 270 ROW: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2018–2022 (USD MILLION)

TABLE 271 ROW: AGRICULTURE DRONES MARKET, PULSES & OILSEEDS, 2023–2028 (USD MILLION)

TABLE 272 ROW: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2018–2022 (USD MILLION)

TABLE 273 ROW: AGRICULTURE DRONES MARKET, BY FRUIT & VEGETABLE, 2023–2028 (USD MILLION)

TABLE 274 ROW: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2018–2022 (USD MILLION)

TABLE 275 ROW: AGRICULTURE DRONES MARKET, BY PAYLOAD CAPACITY, 2023–2028 (USD MILLION)

TABLE 276 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN ROW, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 277 HARDWARE TYPE: AGRICULTURE DRONES MARKET IN ROW, BY COUNTRY, 2023–2028 (USD MILLION)

15.8.2 MIDDLE EAST

15.8.2.1 Growth in agricultural monitoring activities to boost market for digital agriculture

TABLE 278 MIDDLE EAST: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 279 MIDDLE EAST: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

15.8.3 AFRICA

15.8.3.1 Increase in investments for agriculture innovations to drive growth

TABLE 280 AFRICA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2018–2022 (USD MILLION)

TABLE 281 AFRICA: AGRICULTURE DRONES MARKET, BY HARDWARE TYPE, 2023–2028 (USD MILLION)

16 COMPETITIVE LANDSCAPE

16.1 INTRODUCTION

16.2 OVERVIEW

16.3 HISTORICAL REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 45 REVENUE ANALYSIS OF KEY PLAYERS, 2019–2022 (USD BILLION)

16.4 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 282 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS

16.5 GLOBAL SNAPSHOT OF KEY MARKET PARTICIPANTS

FIGURE 46 AGRICULTURE DRONES: GLOBAL SNAPSHOT OF KEY PARTICIPANTS, 2022

16.6 MARKET SHARE ANALYSIS

TABLE 283 MARKET RANKING OF KEY PLAYERS, AGRICULTURE DRONES MARKET, 2022

16.7 COMPANY EVALUATION MATRIX (KEY PLAYERS)

16.7.1 STARS

16.7.2 PERVASIVE PLAYERS

16.7.3 EMERGING LEADERS

16.7.4 PARTICIPANTS

FIGURE 47 AGRICULTURE DRONES MARKET: COMPANY EVALUATION MATRIX, 2022 (KEY PLAYERS)

16.7.5 AGRICULTURE DRONES MARKET: PRODUCT FOOTPRINT (KEY PLAYERS)

TABLE 284 COMPANY FOOTPRINT, BY OFFERING (KEY PLAYERS)

TABLE 285 COMPANY FOOTPRINT, BY FARM SIZE (KEY PLAYERS)

TABLE 286 COMPANY FOOTPRINT, BY REGION (KEY PLAYERS)

TABLE 287 COMPETITIVE BENCHMARKING (KEY PLAYERS)

16.8 AGRICULTURE DRONES MARKET: EVALUATION MATRIX OF STARTUPS/SMES

16.8.1 PROGRESSIVE COMPANIES

16.8.2 STARTING BLOCKS

16.8.3 RESPONSIVE COMPANIES

16.8.4 DYNAMIC COMPANIES

FIGURE 48 AGRICULTURE DRONES MARKET: COMPANY EVALUATION MATRIX, 2022 (STARTUPS/SMES)

16.8.5 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

TABLE 288 AGRICULTURE DRONES MARKET: DETAILED LIST OF KEY STARTUPS/SMES

16.8.6 COMPANY EVALUATION MATRIX - PRODUCT FOOTPRINT

TABLE 289 COMPANY TYPE FOOTPRINT (ACTIVE INGREDIENT

MANUFACTURERS)**16.9 COMPETITIVE SCENARIO****16.9.1 PRODUCT LAUNCHES**

TABLE 290 AGRICULTURE DRONES MARKET: PRODUCT LAUNCHES, 2019–2023

TABLE 291 AGRICULTURE DRONES MARKET: DEALS, 2019–2022

TABLE 292 AGRICULTURE DRONES MARKET: OTHERS, 2019–2022

17 COMPANY PROFILES

(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*

17.1 KEY PLAYERS**17.1.1 DJI**

TABLE 293 DJI: BUSINESS OVERVIEW

TABLE 294 DJI: PRODUCTS OFFERED

TABLE 295 DJI: PRODUCT LAUNCHES

TABLE 296 DJI: DEALS

17.1.2 PRECISIONHAWK

TABLE 297 PRECISIONHAWK: BUSINESS OVERVIEW

TABLE 298 PRECISIONHAWK: PRODUCTS/ SERVICES OFFERED

TABLE 299 PRECISIONHAWK: PRODUCT LAUNCHES

TABLE 300 PRECISIONHAWK: DEALS

17.1.3 TRIMBLE INC.

TABLE 301 TRIMBLE INC.: BUSINESS OVERVIEW

FIGURE 49 TRIMBLE INC.: COMPANY SNAPSHOT

TABLE 302 TRIMBLE INC.: PRODUCTS OFFERED

TABLE 303 TRIMBLE INC.: PRODUCT LAUNCHES

TABLE 304 TRIMBLE INC.: DEALS

TABLE 305 TRIMBLE, INC.: OTHERS

17.1.4 PARROT DRONE SAS

TABLE 306 PARROT DRONE SAS: BUSINESS OVERVIEW

FIGURE 50 PARROT DRONE SAS: COMPANY SNAPSHOT

TABLE 307 PARROT DRONE SAS: PRODUCTS OFFERED

TABLE 308 PARROT DRONE SAS: PRODUCT LAUNCHES

TABLE 309 PARROT DRONE SAS: DEALS

17.1.5 BAYER AG

TABLE 310 BAYER AG: BUSINESS OVERVIEW

FIGURE 51 BAYER AG: COMPANY SNAPSHOT

TABLE 311 BAYER AG: PRODUCTS OFFERED

TABLE 312 BAYER AG: PRODUCT LAUNCHES

TABLE 313 BAYER AG: DEALS

TABLE 314 BAYER AG: OTHERS

17.1.6 YAMAHA MOTOR CO., LTD

TABLE 315 YAMAHA MOTOR CO., LTD: BUSINESS OVERVIEW

FIGURE 52 YAMAHA MOTOR CO., LTD: COMPANY SNAPSHOT

TABLE 316 YAMAHA MOTOR CO., LTD: PRODUCTS OFFERED

TABLE 317 YAMAHA MOTOR CO., LTD: PRODUCT LAUNCHES

TABLE 318 YAMAHA MOTOR CO., LTD: DEALS

TABLE 319 YAMAHA MOTOR CO., LTD: OTHERS

17.1.7 AGEAGLE AERIAL SYSTEMS INC.

TABLE 320 AGEAGLE AERIAL SYSTEMS INC.: BUSINESS OVERVIEW

TABLE 321 AGEAGLE AERIAL SYSTEMS INC.: PRODUCTS OFFERED

TABLE 322 AGEAGLE AERIAL SYSTEMS INC.: PRODUCT LAUNCHES

TABLE 323 AGEAGLE AERIAL SYSTEMS INC.: DEALS

TABLE 324 AGEAGLE AERIAL SYSTEMS INC.: OTHERS

17.1.8 DRONEDEPLOY

TABLE 325 DRONEDEPLOY: BUSINESS OVERVIEW

TABLE 326 DRONEDEPLOY: PRODUCTS OFFERED

TABLE 327 DRONEDEPLOY: PRODUCT LAUNCHES

TABLE 328 DRONEDEPLOY: DEALS

TABLE 329 DRONEDEPLOY: OTHERS

17.1.9 AUTELROBOTICS

TABLE 330 AUTELROBOTICS: BUSINESS OVERVIEW

TABLE 331 AUTELROBOTICS: PRODUCTS OFFERED

TABLE 332 AUTELROBOTICS: PRODUCT LAUNCHES

TABLE 333 AUTELROBOTICS: DEALS

17.1.10 SENTERA

TABLE 334 SENTERA.: BUSINESS OVERVIEW

TABLE 335 SENTERA.: PRODUCTS OFFERED

TABLE 336 SENTERA.: PRODUCT LAUNCHES

TABLE 337 SENTERA: DEALS

TABLE 338 SENTERA: OTHERS

17.1.11 OPTIM CORP.

TABLE 339 OPTIM CORP.: BUSINESS OVERVIEW

FIGURE 53 OPTIM CORP.: COMPANY SNAPSHOT

TABLE 340 OPTIM CORP.: PRODUCTS OFFERED

TABLE 341 OPTIM CORP.: PRODUCT LAUNCHES

TABLE 342 OPTIM CORP.: DEALS

17.1.12 MICRODRONES

TABLE 343 MICRODRONES: BUSINESS OVERVIEW

TABLE 344 MICRODRONES: PRODUCTS OFFERED

17.1.13 AERIALTRONICS

TABLE 345 AERIALTRONICS: BUSINESS OVERVIEW

TABLE 346 AERIALTRONICS: PRODUCTS OFFERED

TABLE 347 AERIALTRONICS: PRODUCT LAUNCHES

17.1.14 DELAIR

TABLE 348 DELAIR: BUSINESS OVERVIEW

TABLE 349 DELAIR: PRODUCTS OFFERED

TABLE 350 DELAIR: DEALS

17.1.15 XAG CO., LTD.

TABLE 351 XAG CO., LTD.: BUSINESS OVERVIEW

TABLE 352 XAG CO., LTD.: PRODUCTS OFFERED

TABLE 353 XAG CO., LTD.: PRODUCT LAUNCHES

TABLE 354 XAG CO., LTD.: DEALS

17.2 OTHER PLAYERS

17.2.1 SKYDIO, INC.

TABLE 355 SKYDIO, INC.: BUSINESS OVERVIEW

TABLE 356 SKYDIO, INC.: PRODUCTS OFFERED

TABLE 357 SKYDIO, INC.: DEALS

17.2.2 AGRODRONE AI

TABLE 358 AGRODRONE AI: BUSINESS OVERVIEW

TABLE 359 AGRODRONE AI: PRODUCTS OFFERED

17.2.3 ARIES SOLUTIONS PVT LTD

TABLE 360 ARIES SOLUTIONS PVT LTD: BUSINESS OVERVIEW

TABLE 361 ARIES SOLUTIONS PVT LTD: PRODUCTS OFFERED

17.2.4 WINGTRA

TABLE 362 WINGTRA: BUSINESS OVERVIEW

TABLE 363 WINGTRA: PRODUCTS OFFERED

TABLE 364 WINGTRA: PRODUCT LAUNCHES

TABLE 365 WINGTRA: DEALS

17.2.5 LOCKHEED MARTIN CORP.

TABLE 366 LOCKHEED MARTIN CORP.: BUSINESS OVERVIEW

FIGURE 54 LOCKHEED MARTIN CORP.: COMPANY SNAPSHOT

TABLE 367 LOCKHEED MARTIN CORP.: PRODUCTS OFFERED

17.2.6 GAMAYA

17.2.7 ATMOS UAV

17.2.8 SKYX

17.2.9 SLANTRANGE, INC.

17.2.10 NILEWORKS

Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats) might not be captured in case of unlisted companies.

18 ADJACENT & RELATED MARKETS

18.1 INTRODUCTION

TABLE 368 ADJACENT MARKETS RELATED TO AGRICULTURE DRONES MARKET

18.2 LIMITATIONS

18.3 SMART AGRICULTURE MARKET

18.3.1 MARKET DEFINITION

18.3.2 MARKET OVERVIEW

TABLE 369 SMART AGRICULTURE MARKET, BY AGRICULTURE TYPE, 2017–2020 (USD MILLION)

TABLE 370 SMART AGRICULTURE MARKET, BY AGRICULTURE TYPE, 2021–2026 (USD MILLION)

18.4 FARM MANAGEMENT SOFTWARE MARKET

18.4.1 MARKET DEFINITION

18.4.2 MARKET OVERVIEW

TABLE 371 FARM MANAGEMENT SOFTWARE MARKET, BY FARM PRODUCTION PLANNING, 2017–2020 (USD MILLION)

TABLE 372 FARM MANAGEMENT SOFTWARE MARKET, BY FARM PRODUCTION PLANNING, 2021–2026 (USD MILLION)

19 APPENDIX

19.1 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

19.2 CUSTOMIZATION OPTIONS

19.3 RELATED REPORTS

19.4 AUTHOR DETAILS

I would like to order

Product name: Agriculture Drones Market by Offering (Hardware, Software and Services), Components, Payload Capacity, Medium-weight drones, Heavy-weight drones, Farming Environment, Application, Farm Produce, Range, Farm Size and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/A809E9EF9C3EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A809E9EF9C3EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970