IoT in Agriculture Market – Outlook, Size, Share& Forecast 2032aa

Harnessing the Power of IoT in Agriculture

The application of Internet of Things (IoT) technology in the agricultureindustry, also termed as IoT in agriculture, is transforming farming anddriving efficiency for farmers globally. The [IoT in agriculture market](#) haswitnessed substantial growth owing to the numerous benefits offered byconnected farming solutions. IoT in Agriculture Market Size was valuedat USD 12.5 billion in 2022. The IoT in the Agriculture market industry isprojected to grow from USD 15.178 Billion in 2023 to USD 71.753 billionby 2032

Key Market Segments

The IoT in agriculture market can be segmented on the basis of system,application and geography:

Based on system, key segments are:

- Automation and Control Systems: Enable automation of tasks likeirrigation, fertigation, lighting, field mapping, crop scouting, etc.
- Sensing and Monitoring Devices: Real-time tracking oftemperature, moisture, light, pest infestation, plant health, livestockbehavior and more.
- Connectivity Technology: Cellular, Wi-Fi, Bluetooth, LPWAN,satellite and other communication networks to connect devices.
- Data Analytics: Advanced analytics software and machine learningalgorithms to generate actionable intelligence.

Based on application, key segments are:

- Precision Farming: Precision irrigation, variable rate fertilization,predictive analytics, etc. to optimize yields.
- Livestock Monitoring: Tracking livestock location, health, feedingpatterns and providing predictive insights.
- Smart Greenhouses: Automated monitoring and control oftemperature, humidity, irrigation, lighting in greenhouses.
- Fish Farm Monitoring: Water quality monitoring, feedingoptimization in aquaculture applications.
- Smart Irrigation: Soil moisture-based automated irrigation systemsto optimize water usage.

Key Players

Major companies offering IoT solutions for the agriculture industryinclude:

- Deere & Company: Offers solutions like JD Link, Operation Centerand AutoTrac automated steering.
- Trimble: Agricultural IoT platforms like Connected Farm and Farmer Core.
- Topcon Positioning: Precision agriculture solutions using auto-guidance and sensing technology.
- Semios: IoT platform for pest and disease management, irrigation automation and more.
- AKVA: Fish farming monitoring and control solutions using underwater cameras and IoT connectivity.