

Revolutionizing Farming: Agriculture Imaging Sensor Market to Grow at 14.2% CAGR, Reaching \$2.11 Billion by 2028

The Business Research Company has updated its global market reports with latest data for 2024 and projections up to 2033

LONDON, GREATER LONDON, UK, June 17, 2024 /EINPresswire.com/ -- The [agriculture imaging sensor market](#)

refers to specialized equipment used in the agricultural sector to collect various

types of images such as visible, near-infrared, multispectral, and hyperspectral images. These sensors play a crucial role in modern farming methods by providing valuable information and insights that help farmers increase crop yield, reduce input costs, and improve sustainability practices.



The agriculture imaging sensor market size is expected to see rapid growth in the next few years. It will grow to \$2.11 billion in 2028 at a compound annual growth rate (CAGR) of 14.2%."

The Business Research Company

Market Size and Growth Drivers

The [agriculture imaging sensor market size](#) is projected to grow from \$1.09 billion in 2023 to \$1.24 billion in 2024, at a CAGR of 13.9%. The growth in the historic period can be attributed to the increasing demand for data-driven decision-making, global food security concerns, and integration with digital agriculture platforms. In the forecast period, the market is expected to grow to \$2.11 billion in 2028, at a CAGR of 14.2%. This growth will be driven by the expansion of precision agriculture practices, demand for sustainable agriculture solutions, digital transformation in agriculture, and rapid urbanization and

land use changes.

Precision Agriculture Driving Market Growth

The increasing adoption of precision agriculture is expected to propel the growth of the agriculture imaging sensor market. Precision agriculture involves using technology and data



analytics to optimize crop yield through precise management. Agricultural imaging sensors provide farmers with immediate, comprehensive field data, empowering informed decision-making and enhancing resource management efficiency. For example, GeoPard Agriculture reported that the adoption of precision agriculture practices grew from 25% in 2021 to 27% in 2022. This increasing adoption is driving the growth of the agriculture imaging sensor market.

Explore comprehensive insights into the global agriculture imaging sensor market with a detailed sample report:

https://www.thebusinessresearchcompany.com/sample_request?id=15101&type=smp

Key Players and Market Trends

Major companies operating in the agriculture imaging sensor market, such as Topcon Corporation, BASF SE, and Bayer AG, are focusing on developing innovative solutions like tractor-mounted sensors to gain a competitive edge. Tractor-mounted sensors are specialized devices attached to tractors to collect data and imagery related to agricultural fields and crops. For instance, Aurea Imaging launched TMS TreeScout, the world's first fully integrated tractor-mounted sensor powered by AI and 3D computer vision technology, for precision orchard management.

Segments:

- By Product: Red, Green, Blue Sensor, Hyperspectral Sensor, Multispectral Sensor, Other Products
- By Application: Dairy Management, Soil Management, Climate Management, Water Management, Smart Green House, Other Applications
- By End User: Agriculture Robot Manufacturer, Agriculture Drone Manufacturer, Livestock Monitoring Equipment Manufacturer, Other End Users

Geographical Insights: North America Leads, Asia-Pacific Poised for Growth

North America was the largest region in the agriculture imaging sensor market in 2023, driven by technological advancements and high adoption rates. Asia-Pacific is expected to be the fastest-growing region in the forecast period, fueled by increasing digitization in agriculture and rising investments in agricultural infrastructure.

Access the complete report for an in-depth analysis of the global agriculture imaging sensor market:

<https://www.thebusinessresearchcompany.com/report/agriculture-imaging-sensor-global-market-report>

Agriculture Imaging Sensor Global Market Report 2024 from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.

- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Agriculture Imaging Sensor Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on agriculture imaging sensor market size, agriculture imaging sensor market drivers and trends, agriculture imaging sensor market major players, competitors' revenues, market positioning, and market growth across geographies. The agriculture imaging sensor market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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About The Business Research Company

The Business Research Company has published over 27 industries, spanning over 8000+ markets and 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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