

# Global AI-Powered Pest and Disease Identification System Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global AI-Powered Pest and Disease Identification System market size was valued at US\$ 424 million in 2025 and is forecast to a readjusted size of US\$ 805 million by 2032 with a CAGR of 9.6% during review period.

AI-powered pest and disease identification systems are intelligent systems that analyze crop images or environmental data based on artificial intelligence (especially computer vision and deep learning technologies) to automatically detect, identify, classify, and issue early warnings for diseases and pests.

Through automatic analysis of images of crop leaves, fruits, stems, and other parts, AI-powered pest and disease identification systems can identify the types, severity, and location of pests and diseases in real time and accurately, providing diagnostic conclusions, control suggestions, and early warning information to achieve early detection, early warning, and precise control of agricultural pests and diseases.

AI-powered pest and disease identification systems are intelligent agricultural decision-making systems that can quickly identify the types, severity, and distribution of pests and diseases, and provide diagnostic, early warning, and control solutions. They are widely used in field, orchard, greenhouse, plant protection drone, and park monitoring.

This report is a detailed and comprehensive analysis for global AI-Powered Pest and Disease Identification System market. Both quantitative and qualitative analyses are presented by company, 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 AI-Powered Pest and Disease Identification System market size and forecasts, in consumption value (\$ Million), 2021-2032

Global AI-Powered Pest and Disease Identification System market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global AI-Powered Pest and Disease Identification System market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global AI-Powered Pest and Disease Identification System market shares of main players, in revenue (\$ Million), 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 AI-Powered Pest and Disease Identification System

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 AI-Powered Pest and Disease Identification System 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 John Deere, Trimble Inc., CNH Industrial, Taranis, Prospera Technologies, Aerobotics, Sentera, Cropin, DJI, AgroScout, etc.

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

## Market segmentation

AI-Powered Pest and Disease Identification System 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. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Mobile Apps

Cloud Platform Systems

Edge Computing Systems

Embedded Systems

### Market segment by Data Sources

Image Recognition

Multispectral Recognition

Sensor Data Driven

Multimodal Fusion

### Market segment by Application Platforms

Fixed Monitoring Systems

Unmanned Aerial Vehicle (Uav) Inspection Systems

Agricultural Robot Systems

Handheld Device Systems

## Market segment by Application

Farmland

Orchard

Greenhouse

Forestry

## Market segment by players, this report covers

John Deere

Trimble Inc.

CNH Industrial

Taranis

Prospera Technologies

Aerobotics

Sentera

Cropin

DJI

AgroScout

PrecisionHawk

Climate AI

Jiahe Technology

PlantVillage

Airbus

XAG

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe AI-Powered Pest and Disease Identification System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of AI-Powered Pest and Disease Identification System, with revenue, gross margin, and global market share of AI-Powered Pest and Disease Identification System from 2021 to 2026.

Chapter 3, the AI-Powered Pest and Disease Identification System competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with

revenue and market share for key countries in the world, from 2021 to 2026. and AI-Powered Pest and Disease Identification System market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of AI-Powered Pest and Disease Identification System.

Chapter 13, to describe AI-Powered Pest and Disease Identification System research findings and conclusion.

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