

Global AI-Powered Pest and Disease Identification System Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global AI-Powered Pest and Disease Identification System market size is expected to reach \$ 805 million by 2032, rising at a market growth of 9.6% CAGR during the forecast period (2026-2032).

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 studies the global AI-Powered Pest and Disease Identification System demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI-Powered Pest and Disease Identification System, and provides market size (US\$

million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI-Powered Pest and Disease Identification System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI-Powered Pest and Disease Identification System total market, 2021-2032, (USD Million)

Global AI-Powered Pest and Disease Identification System total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: AI-Powered Pest and Disease Identification System total market, key domestic companies, and share, (USD Million)

Global AI-Powered Pest and Disease Identification System revenue by player, revenue and market share 2021-2026, (USD Million)

Global AI-Powered Pest and Disease Identification System total market by Type, CAGR, 2021-2032, (USD Million)

Global AI-Powered Pest and Disease Identification System total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world AI-Powered Pest and Disease Identification System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global AI-Powered Pest and Disease Identification System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI-Powered Pest and Disease Identification System Market, Segmentation by Type:

Mobile Apps

Cloud Platform Systems

Edge Computing Systems

Embedded Systems

Global AI-Powered Pest and Disease Identification System Market, Segmentation by Data Sources:

Image Recognition

Multispectral Recognition

Sensor Data Driven

Multimodal Fusion

Global AI-Powered Pest and Disease Identification System Market, Segmentation by Application Platforms:

Fixed Monitoring Systems

Unmanned Aerial Vehicle (Uav) Inspection Systems

Agricultural Robot Systems

Handheld Device Systems

Global AI-Powered Pest and Disease Identification System Market, Segmentation by Application:

Farmland

Orchard

Greenhouse

Forestry

Companies Profiled:

John Deere

Trimble Inc.

CNH Industrial

Taranis

Prospera Technologies

Aerobotics

Sentera

Cropin

DJI

AgroScout

PrecisionHawk

Climate AI

Jiahe Technology

PlantVillage

Airbus

XAG

Key Questions Answered

1. How big is the global AI-Powered Pest and Disease Identification System market?
2. What is the demand of the global AI-Powered Pest and Disease Identification System market?
3. What is the year over year growth of the global AI-Powered Pest and Disease Identification System market?
4. What is the total value of the global AI-Powered Pest and Disease Identification System market?
5. Who are the Major Players in the global AI-Powered Pest and Disease Identification System market?
6. What are the growth factors driving the market demand?

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