

Global Digital Plant Protection Monitoring System Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Digital Plant Protection Monitoring System market size is expected to reach \$ 1341 million by 2032, rising at a market growth of 11.7% CAGR during the forecast period (2026-2032).

Digital plant protection monitoring systems are comprehensive management systems that integrate the Internet of Things (IoT), sensors, image recognition, and data analysis. They collect real-time data, automatically identify pests and diseases, and analyze trends. The goal is to achieve early detection, early warning, and precise control of pests and diseases. These systems typically consist of front-end monitoring terminals (such as insect monitoring, spore capture, and environmental sensing devices), data transmission networks, and a back-end analysis platform. They transform scattered field information into decision-making data results, serving agricultural production by providing guidance on pesticide application, determining the timing of control measures, and facilitating regional joint prevention and control. They are a crucial infrastructure for upgrading traditional plant protection to smart and precision agriculture. In 2025, sales were projected at 570,000 units, with an average price of \$985, total production capacity of 650,000 units, a gross profit margin of 57%, and one unit required for every 1,000 square meters of farmland.

This report studies the global Digital Plant Protection Monitoring System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Digital Plant Protection Monitoring 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 Digital Plant

Protection Monitoring System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Digital Plant Protection Monitoring System total production and demand, 2021-2032, (K Units)

Global Digital Plant Protection Monitoring System total production value, 2021-2032, (USD Million)

Global Digital Plant Protection Monitoring System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Digital Plant Protection Monitoring System consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Digital Plant Protection Monitoring System domestic production, consumption, key domestic manufacturers and share

Global Digital Plant Protection Monitoring System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Digital Plant Protection Monitoring System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Digital Plant Protection Monitoring System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Digital Plant Protection Monitoring System market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include LAM International, Wuhan Xinpuhui Technology, ECOMAN, Juchuang, Trapview, QSpray, Pelgar, B&G Equipment Company, PestConnect, Trap, 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 Digital Plant Protection Monitoring System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, 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 Digital Plant Protection Monitoring System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Digital Plant Protection Monitoring System Market, Segmentation by Type:

Light-attracting Monitoring System

Sex-attracting Monitoring System

Food-attracting Monitoring System

Global Digital Plant Protection Monitoring System Market, Segmentation by Application Environment:

Field Type

Forestry Type

Global Digital Plant Protection Monitoring System Market, Segmentation by Function and Technology:

Automatic Identification Type

Networked / IoT Type

Multi-Parameter Monitoring Type

Global Digital Plant Protection Monitoring System Market, Segmentation by Application:

Agriculture

Forestry

Animal Husbandry

Others

Companies Profiled:

LAM International

Wuhan Xinpuhui Technology

ECOMAN

Juchuang

Trapview

QSpray

Pelgar

B&G Equipment Company

PestConnect

Trap

Pelsis

Austates Pest Equipment

Semios

Key Questions Answered:

1. How big is the global Digital Plant Protection Monitoring System market?
2. What is the demand of the global Digital Plant Protection Monitoring System market?
3. What is the year over year growth of the global Digital Plant Protection Monitoring System market?
4. What is the production and production value of the global Digital Plant Protection Monitoring System market?
5. Who are the key producers in the global Digital Plant Protection Monitoring System market?
6. What are the growth factors driving the market demand?

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