

Global Digital Plant Protection Monitoring System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G363BBE5A84FEN.html>

Date: January 2026

Pages: 120

Price: US\$ 3,480.00 (Single User License)

ID: G363BBE5A84FEN

Abstracts

According to our (Global Info Research) latest study, the global Digital Plant Protection Monitoring System market size was valued at US\$ 623 million in 2025 and is forecast to a readjusted size of US\$ 1341 million by 2032 with a CAGR of 11.7% during review period.

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 is a detailed and comprehensive analysis for global Digital Plant Protection Monitoring System market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Digital Plant Protection Monitoring System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Digital Plant Protection Monitoring System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Digital Plant Protection Monitoring System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Digital Plant Protection Monitoring System market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 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 Digital Plant Protection Monitoring 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 Digital Plant Protection Monitoring System market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Digital Plant Protection Monitoring 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Light-attracting Monitoring System

Sex-attracting Monitoring System

Food-attracting Monitoring System

Market segment by Application Environment

Field Type

Forestry Type

Market segment by Function and Technology

Automatic Identification Type

Networked / IoT Type

Multi-Parameter Monitoring Type

Market segment by Application

Agriculture

Forestry

Animal Husbandry

Others

Major players covered

LAM International

Wuhan Xinpuhui Technology

ECOMAN

Juchuang

Trapview

QSpray

Pelgar

B&G Equipment Company

PestConnect

Trap

Pelsis

Austates Pest Equipment

Semios

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Digital Plant Protection Monitoring System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Digital Plant Protection Monitoring System, with price, sales quantity, revenue, and global market share of Digital Plant Protection Monitoring System from 2021 to 2026.

Chapter 3, the Digital Plant Protection Monitoring System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Digital Plant Protection Monitoring System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Digital Plant Protection Monitoring System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Digital Plant Protection Monitoring System.

Chapter 14 and 15, to describe Digital Plant Protection Monitoring System sales channel, distributors, customers, research findings and conclusion.

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