

# Global Potato 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 Potato Disease Identification System market size was valued at US\$ 309 million in 2025 and is forecast to a readjusted size of US\$ 491 million by 2032 with a CAGR of 6.8% during review period.

The potato disease identification system is a hardware and software integrated tool based on computer vision and artificial intelligence algorithms, used for the rapid and accurate automatic diagnosis of potato plant diseases. Its core function is to achieve early, non-destructive intelligent diagnosis of diseases in the field, solving the problems of low efficiency, high dependence on expertise, high subjective error rates, and high costs of large-scale monitoring inherent in traditional manual identification. This provides real-time decision-making support for precision pesticide application and disease control, reducing yield and economic losses. The upstream layer consists of technology and hardware suppliers, primarily including high-resolution/multispectral camera manufacturers, edge computing equipment suppliers, AI chip companies, and algorithm model development institutions. The downstream layer is the integration application and service layer, where agricultural technology companies or equipment integrators integrate upstream components into complete products, directly selling or serving large-scale potato farms, agricultural cooperatives, agricultural extension departments, and agricultural research institutions. Ultimately, it improves crop health and planting efficiency through precision plant protection services. In 2025, the average price of a potato disease identification system was approximately \$5,000 per set, with a gross profit margin of approximately 50%.

This report is a detailed and comprehensive analysis for global Potato 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 Potato Disease Identification System market size and forecasts, in consumption value (\$ Million), 2021-2032

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

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

Global Potato 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 Potato 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 Potato 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 Taranis Ltd. (Unlisted, Westfield Indiana USA), BASF Digital Farming GmbH (Unlisted, D?sseldorf Germany), Cromptal (Unlisted, Groningen Netherlands), Agremo d.o.o. (Unlisted, Belgrade Serbia), PEAT GmbH (Plantix) (Unlisted, Berlin Germany), Taranis Ltd. (Unlisted, Tel Aviv Israel), Vultus AB (Unlisted, Lund Sweden), CropX Ltd. (Unlisted, Tel Aviv Israel), Syngenta Group (Unlisted, Basel Switzerland), Agremo (Unlisted, Belgrade Serbia), etc.

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

## Market segmentation

Potato 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

Computer Vision-based Image Recognition System

Spectral/Hyperspectral Analysis-based Diagnostic System

Multi-sensor Data Fusion-based Intelligent System

### Market segment by Deployment Platform

Mobile Application

Remote Sensing Monitoring Platform

Fixed In-field Monitoring Station

### Market segment by Application

Farm

Agricultural Cooperative

Agricultural Research Institution

Other

### Market segment by players, this report covers

Taranis Ltd. (Unlisted, Westfield Indiana USA)

BASF Digital Farming GmbH (Unlisted, D?sseldorf Germany)

Croptimal (Unlisted, Groningen Netherlands)

Agremo d.o.o. (Unlisted, Belgrade Serbia)

PEAT GmbH (Plantix) (Unlisted, Berlin Germany)

Taranis Ltd. (Unlisted, Tel Aviv Israel)

Vultus AB (Unlisted, Lund Sweden)

CropX Ltd. (Unlisted, Tel Aviv Israel)

Syngenta Group (Unlisted, Basel Switzerland)

Agremo (Unlisted, Belgrade Serbia)

EOS Data Analytics, Inc. (Unlisted, California USA)

Zhejiang Top Cloud-agri Technology Co., Ltd. (SHE: 301556, Zhejiang China)

Guangzhou Hairui Intelligent Technology Co., Ltd. (Unlisted, Guangzhou China)

Guangxi Huiyun Information Technology Co., Ltd. (Unlisted, Guangxi China)

FJ Dynamics Technology Co., Ltd. (Unlisted, Shenzhen China)

Beijing Nongxin Technology Co., Ltd. (Unlisted, Beijing China)

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 Potato Disease Identification System product scope, market overview, market estimation caveats and base year.

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

Chapter 3, the Potato 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 Potato 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 Potato Disease Identification System.

Chapter 13, to describe Potato Disease Identification System research findings and conclusion.

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