

Global Potato Disease Identification System Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Potato Disease Identification System market size is predicted to grow from US\$ 293 million in 2025 to US\$ 478 million in 2032; it is expected to grow at a CAGR of 7.3% from 2026 to 2032.

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%.

United States market for Potato Disease Identification System is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Potato Disease Identification System is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Potato Disease Identification System is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Potato Disease Identification System players cover 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), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the "Potato Disease Identification System Industry Forecast" looks at past sales and reviews total world Potato Disease Identification System sales in 2025, providing a comprehensive analysis by region and market sector of projected Potato Disease Identification System sales for 2026 through 2032. With Potato Disease Identification System sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Potato Disease Identification System industry.

This Insight Report provides a comprehensive analysis of the global Potato Disease Identification System landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Potato Disease Identification System portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Potato Disease Identification System market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Potato Disease Identification System and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Potato Disease Identification System.

This report presents a comprehensive overview, market shares, and growth

opportunities of Potato Disease Identification System market by product type, application, key players and key regions and countries.

Segmentation by Type:

Computer Vision-based Image Recognition System

Spectral/Hyperspectral Analysis-based Diagnostic System

Multi-sensor Data Fusion-based Intelligent System

Segmentation by Deployment Platform:

Mobile Application

Remote Sensing Monitoring Platform

Fixed In-field Monitoring Station

Segmentation by Application:

Farm

Agricultural Cooperative

Agricultural Research Institution

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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)

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