

# **Plant Phenotyping Systems Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type**

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## **Abstracts**

### **Plant Phenotyping Systems Market Overview**

The global Plant Phenotyping Systems market is witnessing significant growth, driven by advancements in precision agriculture, increasing demand for sustainable farming practices, and the development of cutting-edge technologies for plant research. Leading players in the market include Delta-T Devices, Heinz

Walz, Phenospex, Keygene, Phenomix, VIB Agro-Incubator (Cropdesign), Qubit Systems, Photon Systems Instruments, WPS, WIWAM, Rothamsted Research Limited, VBCF, MaxWell Biosystems, Plant-DiTech, Hiphen, Terramera, Seed-X, BioVox, Agrela Ecosystems, Gardin, Petiole, Pheno-Inspect, Agri-EPI Centre, PhenoKey, and LemnaTec.

### **Market Growth Rate**

The Plant Phenotyping Systems market is projected to grow at a compound annual growth rate (CAGR) of 6.0% to 8.0% during the forecast period from 2025 to 2030, driven by technological innovation, increasing investment in agricultural research, and rising adoption of phenotyping systems in both agriculture and laboratory applications.

### **Market Share & Trends Analysis**

#### **By Application**

The market is segmented into agriculture, laboratory, and other applications:

**Agriculture:** This segment accounts for 50% to 55% of the market share and is expected to grow at a CAGR of 6.5% to 8.5%, fueled by the increasing adoption of precision farming and the demand for optimizing crop yields.

**Laboratory:** Representing 30% to 35% of the market, this segment is anticipated to grow at a CAGR of 6.0% to 7.5%, supported by the rising need for advanced plant research tools in academic and industrial settings.

**Other Applications:** Holding 10% to 15% of the market share, this segment is expected to grow at a CAGR of 5.5% to 7.0%, driven by niche applications in plant research and breeding programs.

## By Product Type

The market is divided into products and services:

**Products:** Dominating the market with a share of approximately 70% to 75%, this segment is projected to grow at a CAGR of 6.5% to 8.5%, driven by continuous innovation in hardware and software for plant phenotyping systems.

**Services:** Representing 25% to 30% of the market, this segment is expected to grow at a CAGR of 5.5% to 7.5%, supported by the increasing demand for outsourced phenotyping services among research institutions and agricultural companies.

## By Region

Regional analysis highlights growth opportunities across key markets:

**Europe:** Leading the market with a share of 35% to 40%, this region is expected to grow at a CAGR of 6.5% to 8.0%, driven by strong investments in plant research and innovation hubs such as Rothamsted Research and LemnaTec.

**North America:** Holding 25% to 30% of the market, this region is projected to grow at a CAGR of 6.0% to 7.5%, supported by the widespread adoption of phenotyping systems in precision agriculture and laboratory research.

**Asia-Pacific:** Representing 20% to 25% of the market, this region is forecasted to grow at a CAGR of 7.0% to 8.5%, driven by increasing demand for sustainable agricultural practices in emerging economies such as China and India.

**Latin America:** Accounting for 10% to 15%, this region is expected to grow at a CAGR of 6.0% to 7.0%, supported by the expansion of agricultural activities and investments in plant research.

**Rest of the World:** Including the Middle East and Africa, this region holds 5% to 10% and is projected to grow at a CAGR of 5.5% to 7.0%.

## Segment Forecasts (2025-2030)

### Key Growth Segments

**Agriculture Application:** Expected to lead the market, growing at a CAGR of 6.5% to 8.5%, driven by increasing efforts to enhance crop productivity and reduce environmental impact.

**Asia-Pacific Region:** The fastest-growing regional market, projected to expand at a CAGR of 7.0% to 8.5%, supported by rising investments in agricultural technologies and research infrastructure.

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