

# Plant Phenotyping Market by Product (Equipment (Site, Platform/Carrier, Application, Analysis Systems, Automation Level), Sensors (Image Sensors, NDVI Sensors, Temperature Sensors), and Software), Service, and Region - Global Forecast to 2027

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# Abstracts

The global plant phenotyping market is estimated to be valued at USD 238 million in 2022. It is projected to reach USD 437 million by 2027, recording a CAGR of 12.9% during the forecast period. Technological advancements in science and new approaches for identifying physical traits in plants in the form of quantitative and qualitative data have been a boon in recent years. To explain the genetic expression in crossbred or genetically modified (GM) plants, plant phenotyping is an important aspect, which can be leveraged to its full potential so that the selection of plant species that are stress-tolerant and productive is highly possible, and thereby, they can be chosen for cultivation, based on the researches and experiments conducted.

"Europe is projected to witness the growth of 3.4% during the forecast period."

The plant phenotyping market in Europe is growing at a CAGR of 12.6% due to the rising demand in large economies, such as The Netherlands, UK, France and other countries. The industrial organization and technology of plant phenotyping processing are changing rapidly in Europe. Unlike other regions where phenotyping is processed almost entirely by large companies, in Europe, plant phenotyping processing is done by small and medium-sized firms. Historically, native plant based products have been largely used for food products in the Europe region. The industrial applications and technologies involved in plant phenotyping processing are changing rapidly in the Europe countries. Plant phenotyping is increasingly being demanded by various industries in the region and these industries are incorporating modern equipment of



phenotyping in their manufacturing processes and products.

"The equipment product type dominates the market with 59.6% of total market share in terms of value."

The corn plant phenotyping dominates the market with 59.6% of total market share in terms of value in 2021. The European plant phenotyping market is dominated by equipment due to its low price. Similarly, in Europe, the market is almost equally distributed among greenhouses and laboratories. In the Europe countries, however, the focus is on greenhouses is more. In some cases, the plant phenotyping industry is likely to choose based on the cost factor of the products over the quality due to cost considerations.

Break-up of Primaries:

By Company Type: Tier 1 – 55.0%, Tier 2- 20.0%, Tier 3 – 25.0%

By Designation: C-Level – 50.0%, Manager Level – 50.0%

By Region: Europe - 26%, Asia-Pacific – 43%, North America - 21%, RoW – 10%

Leading players profiled in this report:

LemnaTec (Germany)

Delta-T Devices (UK)

Heinz Walz (Germany)

Phenospex (Netherlands)

KeyGene (Netherlands)

Phenomix (France)

CropDesign (Belgium)



Quibit Phenomics (Canada)

Photon System Republic (Czech Republic)

WPS (The Netherlands)

Flanders Institute for Biotechnology (VIB) (Belgium)

Rothamstad Research Limited (UK)

VBCF (Austria)

MaxWell Biosystems AG (Switzerland)

Plant-DiTech LTD (Israel)

Hiphen (France)

Terramera (Canada)

Seed-X (U.S.)

BioVox (U.S.)

Agrela Ecosystems (U.S.)

Gardin (UK)

Petiole LTD (UK)

Pheno-Inspect GmbH (Germany)

Agri-EPI Centre Ltd (UK)

PhenoKey BV (The Netherlands)

Research Coverage:



The report segments the plant phenotyping market on the basis of type and region. In terms of insights, this report has focused on various levels of analyses—the competitive landscape, end-use analysis, and company profiles, which together comprise and discuss views on the emerging & high-growth segments of the global plant phenotyping, high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges.

Reasons to buy this report:

To get a comprehensive overview of the plant phenotyping market

To gain wide-ranging information about the top players in this industry, their product portfolios, and key strategies adopted by them

To gain insights about the major countries/regions in which the plant phenotyping market is flourishing



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