

# 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

https://marketpublishers.com/r/PD34489503BEN.html

Date: January 2023

Pages: 205

Price: US\$ 4,950.00 (Single User License)

ID: PD34489503BEN

# **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



# **Contents**

#### 1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE

FIGURE 1 MARKET SEGMENTATION

FIGURE 2 EQUIPMENT MARKET SEGMENTATION

- 1.4 REGIONS COVERED
- 1.5 YEARS CONSIDERED
- 1.6 CURRENCY

TABLE 1 USD EXCHANGE RATES CONSIDERED

- **1.7 UNIT**
- 1.8 STAKEHOLDERS
- 1.9 SUMMARY OF CHANGES

#### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primary interviews

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY,

DESIGNATION, AND REGION

- 2.2 FACTOR ANALYSIS
  - 2.2.1 INTRODUCTION
  - 2.2.2 DEMAND-SIDE ANALYSIS
  - 2.2.3 SUPPLY-SIDE ANALYSIS
  - 2.2.4 MARKET SIZE ESTIMATION
  - 2.2.5 BOTTOM-UP APPROACH
  - 2.2.6 APPROACH ONE (BASED ON PRODUCT, BY REGION)
  - 2.2.7 APPROACH TWO (BASED ON GLOBAL MARKET)
- 2.3 DATA TRIANGULATION

FIGURE 5 DATA TRIANGULATION METHODOLOGY

2.4 ASSUMPTIONS



#### 2.5 LIMITATIONS

#### **3 EXECUTIVE SUMMARY**

FIGURE 6 PLANT PHENOTYPING MARKET, BY PRODUCT, 2022 VS. 2027 (USD MILLION)

FIGURE 7 PLANT PHENOTYPING MARKET, BY SOFTWARE, 2022 VS. 2027 (USD MILLION)

FIGURE 8 PLANT PHENOTYPING MARKET, BY SENSOR, 2022 VS. 2027 (USD MILLION)

FIGURE 9 REGIONAL SNAPSHOT OF PLANT PHENOTYPING MARKET

#### **4 PREMIUM INSIGHTS**

- 4.1 ATTRACTIVE OPPORTUNITIES IN PLANT PHENOTYPING MARKET FIGURE 10 ADVANCEMENTS IN APPLICATION OF IMAGING SENSORS TO DRIVE MARKET
- 4.2 EUROPE: PLANT PHENOTYPING MARKET, BY TYPE AND COUNTRY (2022) FIGURE 11 PRODUCTS SEGMENT TO DOMINATE EUROPEAN PLANT PHENOTYPING MARKET IN 2022
- 4.3 PLANT PHENOTYPING MARKET, BY TYPE, 2022 VS. 2027 (USD MILLION) FIGURE 12 PRODUCTS SEGMENT WILL CONTINUE TO DOMINATE MARKET IN 2027
- 4.4 PLANT PHENOTYPING MARKET, BY PRODUCT, 2022 VS. 2027 (USD MILLION) FIGURE 13 EQUIPMENT SEGMENT TO DOMINATE PLANT PHENOTYPING PRODUCTS MARKET IN 2022
- 4.5 PLANT PHENOTYPING MARKET, BY SERVICE, 2022 VS. 2027 (USD MILLION) FIGURE 14 MEASUREMENT ACQUISITION AND DATA ANALYSIS SEGMENT WILL CONTINUE TO DOMINATE PLANT PHENOTYPING SERVICES MARKET IN 2027 4.6 PLANT PHENOTYPING MARKET SHARE, BY TYPE AND REGION, 2022 VS. 2027

FIGURE 15 EUROPE TO DOMINATE PLANT PHENOTYPING MARKET FOR ALL TYPES

#### **5 MARKET OVERVIEW**

- 5.1 INTRODUCTION
- 5.2 MACROECONOMIC INDICATORS
  - 5.2.1 UNPREDICTABLE CHANGE IN CLIMATE CONDITIONS



# FIGURE 16 FLUCTUATION IN GLOBAL TEMPERATURE IMPACTS CROP GROWTH AND YIELD

5.2.2 HIGHER FOOD DEMAND TO MEET POPULATION BOOM

FIGURE 17 INCREASING TREND IN GLOBAL POPULATION

5.3 MARKET DYNAMICS

FIGURE 18 PLANT PHENOTYPING MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.3.1 DRIVERS

5.3.1.1 Automation and significant advancements in application of imaging sensors for high-throughput data collection

TABLE 2 COMPARISON OF DIFFERENT IMAGING TECHNIQUES IN PLANT PHENOTYPING

- 5.3.1.2 Growing importance of sustainable crop production using improved crop varieties
- 5.3.1.3 Increasing expansions and investments for plant phenotyping in developed regions
  - 5.3.2 RESTRAINTS
    - 5.3.2.1 Lack of technical and conceptual awareness
- 5.3.2.2 Low adoption in emerging economies due to limited funding and low presence of key players
  - 5.3.3 OPPORTUNITIES
- 5.3.3.1 Attractive opportunities for field-based phenotyping using remote sensing tools
- 5.3.3.2 Significant importance toward development of research associations in emerging economies
  - 5.3.4 CHALLENGES
    - 5.3.4.1 High cost associated with plant phenotyping
- 5.3.4.2 Challenges associated with implementation of plant phenotyping at multiple organizational scales

#### **6 INDUSTRY TRENDS**

- 6.1 INTRODUCTION
- 6.2 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 19 PLANT PHENOTYPING MARKET: TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

- 6.3 VALUE CHAIN
  - 6.3.1 RESEARCH AND DEVELOPMENT
  - 6.3.2 SOURCING OF RAW MATERIALS



- 6.3.3 PRODUCTION AND PROCESSING
- 6.3.4 DISTRIBUTION, MARKETING, AND SALES

FIGURE 20 PLANT PHENOTYPING MARKET: VALUE CHAIN

- 6.4 TECHNOLOGY ANALYSIS
- **6.5 PATENT ANALYSIS**

TABLE 3 KEY PATENTS PERTAINING TO PLANT PHENOTYPING, 2018–2022

- 6.6 ECOSYSTEM MAP AND SUPPLY CHAIN
- 6.6.1 PLANT PHENOTYPING: ECOSYSTEM MARKET MAP

FIGURE 21 PLANT PHENOTYPING MARKET: SUPPLY CHAIN

FIGURE 22 ECOSYSTEM VIEW

6.7 PORTER'S FIVE FORCES ANALYSIS

TABLE 4 PLANT PHENOTYPING MARKET: PORTER'S FIVE FORCES ANALYSIS

- 6.7.1 THREAT OF NEW ENTRANTS
- 6.7.2 THREAT OF SUBSTITUTES
- 6.7.3 BARGAINING POWER OF SUPPLIERS
- 6.7.4 BARGAINING POWER OF BUYERS
- 6.7.5 INTENSITY OF COMPETITIVE RIVALRY
- 6.8 TRADE ANALYSIS
- 6.8.1 ANIMAL OR VEGETABLE FERTILIZERS, WHETHER OR NOT MIXED OR CHEMICALLY TREATED

TABLE 5 TOP 10 EXPORTERS AND IMPORTERS OF POULTRY MEAT, 2021 (USD THOUSAND)

- 6.9 CASE STUDIES
- 6.9.1 PRESENT AND FUTURE OF PLANT PHENOTYPING APPROACHES IN BIOSTIMULANT RESEARCH AND DEVELOPMENT
- 6.10 REGULATORY FRAMEWORK
- 6.10.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
  - 6.10.1.1 North America
  - 6.10.1.2 Europe
  - 6.10.1.3 Asia Pacific
- 6.11 KEY STAKEHOLDERS AND BUYING CRITERIA
  - 6.11.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 23 INFLUENCE OF STAKEHOLDERS ON BUYING PLANT PHENOTYPING PRODUCTS

TABLE 6 INFLUENCE OF STAKEHOLDERS ON BUYING TOP THREE PLANT PHENOTYPING PRODUCTS

6.11.2 BUYING CRITERIA

FIGURE 24 KEY BUYING CRITERIA FOR TOP APPLICATIONS



TABLE 7 KEY BUYING CRITERIA FOR PLANT PHENOTYPING PRODUCTS 6.12 KEY CONFERENCES AND EVENTS

TABLE 8 PLANT PHENOTYPING MARKET: DETAILED LIST OF CONFERENCES AND EVENTS, 2022–2023

# 7 PLANT PHENOTYPING MARKET, BY PRODUCT

#### 7.1 INTRODUCTION

FIGURE 25 PLANT PHENOTYPING MARKET, BY PRODUCT, 2022 VS. 2027 (USD MILLION)

TABLE 9 PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 10 PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

#### 7.2 EQUIPMENT

7.2.1 HIGH DEMAND FOR HIGH-THROUGHPUT PHENOTYPING SYSTEMS TO DRIVE MARKET

TABLE 11 PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 12 PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 7.3 SOFTWARE

7.3.1 RISING DEMAND FOR FLEXIBLE AND EXTENDED COMPUTATIONAL TOOLS TO DRIVE ADOPTION OF PLANT PHENOTYPING SYSTEMS TABLE 13 PLANT PHENOTYPING SOFTWARE MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 14 PLANT PHENOTYPING SOFTWARE MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 7.4 SENSORS

7.4.1 RISE IN DEMAND FOR SENSORS TO DETECT PLANT TRAITS
TABLE 15 PLANT PHENOTYPING SENSORS MARKET, BY REGION, 2017–2021
(USD MILLION)

TABLE 16 PLANT PHENOTYPING SENSORS MARKET, BY REGION, 2022–2027 (USD MILLION)

#### **8 PLANT PHENOTYPING MARKET, BY EQUIPMENT**

8.1 INTRODUCTION

8.2 BY SITE



TABLE 17 PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 18 PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

8.2.1 LABORATORY

8.2.1.1 Low-cost option for plant phenotyping

TABLE 19 LABORATORY PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 20 LABORATORY PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2022–2027 (USD MILLION)

8.2.2 GREENHOUSE

8.2.2.1 Inclination toward minimizing variability of soil to drive market

TABLE 21 GREENHOUSE PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 22 GREENHOUSE PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2022–2027 (USD MILLION)

8.2.3 FIELD

8.2.3.1 Rising demand for customized plant phenotyping equipment to drive market TABLE 23 FIELD PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 24 FIELD PLANT PHENOTYPING EQUIPMENT MARKET, BY REGION, 2022–2027 (USD MILLION)

8.3 BY PLATFORM/CARRIER

TABLE 25 PLANT PHENOTYPING EQUIPMENT MARKET, BY PLATFORM, 2017–2021 (USD MILLION)

TABLE 26 PLANT PHENOTYPING EQUIPMENT MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

- 8.3.1 CONVEYOR-BASED/MODULAR SYSTEMS
- 8.3.2 BENCH-BASED SYSTEMS
- 8.3.3 HANDHELD/PORTABLE SYSTEMS
- **8.3.4 DRONES**

8.4 BY LEVEL OF AUTOMATION

TABLE 27 PLANT PHENOTYPING EQUIPMENT MARKET, BY LEVEL OF AUTOMATION, 2017–2021 (USD MILLION)

TABLE 28 PLANT PHENOTYPING EQUIPMENT MARKET, BY LEVEL OF AUTOMATION, 2022–2027 (USD MILLION)

**8.4.1 MANUAL** 

8.4.2 SEMI-AUTOMATED

8.4.3 FULLY AUTOMATED



#### 8.5 BY APPLICATION

TABLE 29 PLANT PHENOTYPING EQUIPMENT MARKET, BY APPLICATION, 2017–2021 (USD MILLION)

TABLE 30 PLANT PHENOTYPING EQUIPMENT MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

- 8.5.1 HIGH-THROUGHPUT SCREENING
- 8.5.2 TRAIT IDENTIFICATION
- 8.5.3 PHOTOSYNTHETIC PERFORMANCE
- 8.5.4 MORPHOLOGY AND GROWTH ASSESSMENT
- 8.5.5 OTHER APPLICATIONS
- 8.6 BY ANALYSIS SYSTEM

TABLE 31 PLANT PHENOTYPING EQUIPMENT MARKET, BY ANALYSIS SYSTEM, 2017–2021 (USD MILLION)

TABLE 32 PLANT PHENOTYPING EQUIPMENT MARKET, BY ANALYSIS SYSTEM, 2022–2027 (USD MILLION)

- 8.6.1 IMAGE ANALYSIS SYSTEMS
- 8.6.2 MULTISPECTRAL SCIENTIFIC CAMERAS
- 8.6.3 CANOPY ANALYSIS SYSTEMS
- 8.6.4 FLUOROMETERS
- 8.6.5 OTHER ANALYSIS SYSTEMS

# 9 PLANT PHENOTYPING MARKET, BY SOFTWARE

#### 9.1 INTRODUCTION

FIGURE 26 PLANT PHENOTYPING MARKET, BY SOFTWARE, 2022 VS. 2027 (USD MILLION)

TABLE 33 PLANT PHENOTYPING MARKET, BY SOFTWARE, 2017–2021 (USD MILLION)

TABLE 34 PLANT PHENOTYPING MARKET, BY SOFTWARE, 2022–2027 (USD MILLION)

- 9.2 IMAGE ANALYSIS
- 9.2.1 DEMAND FOR ROBUST, RELIABLE HIGH-THROUGHPUT PHENOTYPING SYSTEMS TO DRIVE MARKET

TABLE 35 IMAGE ANALYSIS MARKET, BY REGION, 2017–2021 (USD MILLION) TABLE 36 IMAGE ANALYSIS MARKET, BY REGION, 2022–2027 (USD MILLION) 9.3 DATA ACQUISITION

9.3.1 RISING DEMAND FOR COLLECTING DATA REGARDING PLANT HEALTH TO DRIVE MARKET

TABLE 37 DATA ACQUISITION MARKET, BY REGION, 2017–2021 (USD MILLION)



TABLE 38 DATA ACQUISITION MARKET, BY REGION, 2022–2027 (USD MILLION) 9.4 SYSTEM CONTROL

9.4.1 INCREASED DEMAND FOR AUTOMATED PLANT PHENOTYPING SYSTEMS TO SUPPORT MARKET GROWTH

TABLE 39 SYSTEM CONTROL MARKET, BY REGION, 2017–2021 (USD MILLION) TABLE 40 SYSTEM CONTROL MARKET, BY REGION, 2022–2027 (USD MILLION) 9.5 OTHER SOFTWARE

TABLE 41 OTHER SOFTWARE MARKET, BY REGION, 2017–2021 (USD MILLION) TABLE 42 OTHER SOFTWARE MARKET, BY REGION, 2022–2027 (USD MILLION)

# 10 PLANT PHENOTYPING MARKET, BY SENSOR

#### **10.1 INTRODUCTION**

FIGURE 27 PLANT PHENOTYPING MARKET, BY SENSOR, 2022 VS. 2027 (USD MILLION)

TABLE 43 PLANT PHENOTYPING MARKET, BY SENSOR, 2017–2021 (USD MILLION)

TABLE 44 PLANT PHENOTYPING MARKET, BY SENSOR, 2022–2027 (USD MILLION)

**10.2 IMAGE SENSORS** 

10.2.1 LARGEST SEGMENT OF PLANT PHENOTYPING MARKET

TABLE 45 IMAGE SENSORS MARKET, BY REGION, 2017–2021 (USD MILLION) TABLE 46 IMAGE SENSORS MARKET, BY REGION, 2022–2027 (USD MILLION) 10.3 NDVI SENSORS

10.3.1 INCREASING DEMAND FOR PHOTOSYNTHETIC CAPACITY OF PLANT AND PLANT HEALTH TO DRIVE MARKET

TABLE 47 NDVI SENSORS MARKET, BY REGION, 2017–2021 (USD MILLION) TABLE 48 NDVI SENSORS MARKET, BY REGION, 2022–2027 (USD MILLION) 10.4 TEMPERATURE SENSORS

10.4.1 INCREASED INVESTMENTS IN TEMPERATURE SENSORS FOR ACCURATE DATA AND ANALYSIS

TABLE 49 TEMPERATURE SENSORS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 50 TEMPERATURE SENSORS MARKET, BY REGION, 2022–2027 (USD MILLION)

10.5 OTHER SENSORS

TABLE 51 OTHER SENSORS MARKET, BY REGION, 2017–2021 (USD MILLION) TABLE 52 OTHER SENSORS MARKET, BY REGION, 2022–2027 (USD MILLION)



# 11 PLANT PHENOTYPING MARKET, BY SERVICE

#### 11.1 INTRODUCTION

FIGURE 28 PLANT PHENOTYPING MARKET, BY SERVICE, 2022 VS. 2027 (USD MILLION)

TABLE 53 PLANT PHENOTYPING MARKET, BY SERVICE, 2017–2021 (USD MILLION)

TABLE 54 PLANT PHENOTYPING MARKET, BY SERVICE, 2022–2027 (USD MILLION)

11.2 MEASUREMENT ACQUISITION AND DATA ANALYSIS

11.3 STATISTICAL ANALYSIS

# 12 PLANT PHENOTYPING MARKET, BY REGION

#### 12.1 INTRODUCTION

FIGURE 29 REGIONAL SNAPSHOT: COUNTRIES IN ASIA PACIFIC TO REGISTER HIGHER GROWTH DURING FORECAST PERIOD

TABLE 55 PLANT PHENOTYPING MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 56 PLANT PHENOTYPING MARKET, BY REGION, 2022–2027 (USD MILLION)

12.2 EUROPE

FIGURE 30 EUROPE: PLANT PHENOTYPING MARKET SNAPSHOT

TABLE 57 EUROPE: PLANT PHENOTYPING MARKET, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 58 EUROPE: PLANT PHENOTYPING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 59 EUROPE: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 60 EUROPE: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 61 EUROPE: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 62 EUROPE: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 63 EUROPE: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 64 EUROPE: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)



#### 12.2.1 NETHERLANDS

12.2.1.1 Largest market for plant phenotyping in Europe

TABLE 65 NETHERLANDS: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 66 NETHERLANDS: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 67 NETHERLANDS: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 68 NETHERLANDS: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 69 NETHERLANDS: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 70 NETHERLANDS: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.2.2 BELGIUM

12.2.2.1 Rising number of R&D activities on plant phenotyping to drive market TABLE 71 BELGIUM: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 72 BELGIUM: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 73 BELGIUM: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 74 BELGIUM: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 75 BELGIUM: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 76 BELGIUM: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

**12.2.3 GERMANY** 

12.2.3.1 Inclination toward green biotechnology to support market growth

TABLE 77 GERMANY: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 78 GERMANY: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 79 GERMANY: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 80 GERMANY: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 81 GERMANY: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE,



2017-2021 (USD MILLION)

TABLE 82 GERMANY: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.2.4 UK

12.2.4.1 Increasing research on sustainable farming to aid market

TABLE 83 UK: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 84 UK: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 85 UK: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 86 UK: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 87 UK: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 88 UK: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.2.5 REST OF EUROPE

TABLE 89 REST OF EUROPE: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 90 REST OF EUROPE: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 91 REST OF EUROPE: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 92 REST OF EUROPE: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 93 REST OF EUROPE: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 94 REST OF EUROPE: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.3 NORTH AMERICA

FIGURE 31 NORTH AMERICA: PLANT PHENOTYPING MARKET SNAPSHOT TABLE 95 NORTH AMERICA: PLANT PHENOTYPING MARKET, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 96 NORTH AMERICA: PLANT PHENOTYPING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 97 NORTH AMERICA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 98 NORTH AMERICA: PLANT PHENOTYPING MARKET, BY TYPE,



2022-2027 (USD MILLION)

TABLE 99 NORTH AMERICA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 100 NORTH AMERICA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 101 NORTH AMERICA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 102 NORTH AMERICA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.3.1 US

12.3.1.1 Increasing support from government as well as private industry to drive market

TABLE 103 US: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 104 US: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 105 US: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 106 US: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 107 US: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 108 US: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.3.2 CANADA

12.3.2.1 Major agricultural producer and exporter globally

TABLE 109 CANADA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 110 CANADA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 111 CANADA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 112 CANADA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 113 CANADA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 114 CANADA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4 ASIA PACIFIC



TABLE 115 ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 116 ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 117 ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 118 ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 119 ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 120 ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 121 ASIA PACIFIC: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 122 ASIA PACIFIC: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4.1 AUSTRALIA

12.4.1.1 Important market in Asia Pacific region

TABLE 123 AUSTRALIA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 124 AUSTRALIA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 125 AUSTRALIA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 126 AUSTRALIA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 127 AUSTRALIA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 128 AUSTRALIA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4.2 JAPAN

12.4.2.1 Rising research activities to support market growth

TABLE 129 JAPAN: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 130 JAPAN: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 131 JAPAN: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 132 JAPAN: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027



(USD MILLION)

TABLE 133 JAPAN: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 134 JAPAN: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4.3 CHINA

12.4.3.1 Rising demand for modern plant breeding techniques to drive overall market TABLE 135 CHINA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 136 CHINA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 137 CHINA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 138 CHINA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 139 CHINA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 140 CHINA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4.4 INDIA

12.4.4.1 High usage of drones to favor market growth

TABLE 141 INDIA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 142 INDIA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 143 INDIA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 144 INDIA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 145 INDIA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 146 INDIA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4.5 SOUTH KOREA

12.4.5.1 High investments in plant breeding activities to support market growth TABLE 147 SOUTH KOREA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 148 SOUTH KOREA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)



TABLE 149 SOUTH KOREA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 150 SOUTH KOREA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 151 SOUTH KOREA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 152 SOUTH KOREA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.4.6 REST OF ASIA PACIFIC

TABLE 153 REST OF ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 154 REST OF ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 155 REST OF ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 156 REST OF ASIA PACIFIC: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 157 REST OF ASIA PACIFIC: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 158 REST OF ASIA PACIFIC: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.5 REST OF THE WORLD

TABLE 159 REST OF THE WORLD: PLANT PHENOTYPING MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 160 REST OF THE WORLD: PLANT PHENOTYPING MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 161 REST OF THE WORLD: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 162 REST OF THE WORLD: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 163 REST OF THE WORLD: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 164 REST OF THE WORLD: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 165 REST OF THE WORLD: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 166 REST OF THE WORLD: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.5.1 SOUTH AMERICA



12.5.1.1 Rising demand for technologies in agriculture to drive market

TABLE 167 SOUTH AMERICA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 168 SOUTH AMERICA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 169 SOUTH AMERICA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 170 SOUTH AMERICA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 171 SOUTH AMERICA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 172 SOUTH AMERICA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.5.2 AFRICA

12.5.2.1 Modern plant breeding activities in Africa to favor market growth

TABLE 173 AFRICA: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 174 AFRICA: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 175 AFRICA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 176 AFRICA: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 177 AFRICA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)

TABLE 178 AFRICA: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

12.5.3 MIDDLE EAST

12.5.3.1 Rising adoption of plant breeding activities to drive market

TABLE 179 MIDDLE EAST: PLANT PHENOTYPING MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 180 MIDDLE EAST: PLANT PHENOTYPING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 181 MIDDLE EAST: PLANT PHENOTYPING MARKET, BY PRODUCT, 2017–2021 (USD MILLION)

TABLE 182 MIDDLE EAST: PLANT PHENOTYPING MARKET, BY PRODUCT, 2022–2027 (USD MILLION)

TABLE 183 MIDDLE EAST: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2017–2021 (USD MILLION)



TABLE 184 MIDDLE EAST: PLANT PHENOTYPING EQUIPMENT MARKET, BY SITE, 2022–2027 (USD MILLION)

#### 13 COMPETITIVE LANDSCAPE

13.1 OVERVIEW

13.2 MARKET SHARE ANALYSIS

FIGURE 32 MARKET SHARE ANALYSIS

13.3 STRATEGIES ADOPTED BY KEY PLAYERS

13.4 REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 33 REVENUE ANALYSIS OF KEY PLAYERS, 2019-2021

13.5 COMPANY EVALUATION QUADRANT (KEY PLAYERS)

13.5.1 STARS

13.5.2 EMERGING LEADERS

13.5.3 PERVASIVE PLAYERS

13.5.4 PARTICIPANTS

FIGURE 34 PLANT PHENOTYPING MARKET: COMPANY EVALUATION QUADRANT FOR KEY PLAYERS, 2021

13.6 COMPANY EVALUATION QUADRANT (STARTUPS/SMES)

13.6.1 PROGRESSIVE COMPANIES

13.6.2 STARTING BLOCKS

13.6.3 RESPONSIVE COMPANIES

13.6.4 DYNAMIC COMPANIES

FIGURE 35 PLANT PHENOTYPING MARKET: COMPANY EVALUATION QUADRANT FOR SMES/STARTUPS, 2021

13.7 COMPANY FOOTPRINT ANALYSIS (KEY PLAYERS)

TABLE 185 COMPANY FOOTPRINT, BY TYPE

13.8 COMPETITIVE SCENARIO

13.8.1 DEALS

TABLE 186 DEALS, 2019-2021

#### 14 COMPANY PROFILES

#### 14.1 KEY PLAYERS

(Business Overview, Products & Services, Recent Developments, MnM View)\*

14.1.1 LEMNATEC (NYNOMIC AG)

TABLE 187 LEMNATEC (NYNOMIC AG): BUSINESS OVERVIEW

FIGURE 36 LEMNATEC (NYNOMIC AG): COMPANY SNAPSHOT

TABLE 188 LEMNATEC (NYNOMIC AG): PRODUCTS OFFERED



TABLE 189 LEMNATEC (NYNOMIC AG): DEALS

14.1.2 DELTA-T DEVICES LTD.

TABLE 190 DELTA-T DEVICES LTD.: BUSINESS OVERVIEW

TABLE 191 DELTA-T DEVICES LTD.: PRODUCTS OFFERED

14.1.3 HEINZ WALZ GMBH

TABLE 192 HEINZ WALZ GMBH: BUSINESS OVERVIEW

TABLE 193 HEINZ WALZ GMBH: PRODUCTS OFFERED

TABLE 194 HEINZ WALZ GMBH: DEALS

14.1.4 PHENOSPEX

TABLE 195 PHENOSPEX: BUSINESS OVERVIEW

TABLE 196 PHENOSPEX: PRODUCTS OFFERED

TABLE 197 PHENOSPEX: OTHER DEVELOPMENTS

**14.1.5 KEYGENE** 

TABLE 198 KEYGENE: BUSINESS OVERVIEW

TABLE 199 KEYGENE: SERVICES OFFERED

TABLE 200 KEYGENE: DEALS

14.1.6 PHENOMIX

TABLE 201 PHENOMIX: PRODUCTS OFFERED

14.1.7 CROPDESIGN (BASF SE)

TABLE 202 CROPDESIGN (BASF SE): BUSINESS OVERVIEW

TABLE 203 CROPDESIGN (BASF SE): PRODUCTS OFFERED

14.1.8 QUBIT SYSTEMS INC. (QUBIT PHENOMICS)

TABLE 204 QUBIT SYSTEMS INC.: BUSINESS OVERVIEW

TABLE 205 QUBIT SYSTEMS INC.: PRODUCTS OFFERED

14.1.9 PHOTON SYSTEMS INSTRUMENTS

TABLE 206 PHOTON SYSTEMS INSTRUMENTS: BUSINESS OVERVIEW

TABLE 207 PHOTON SYSTEMS INSTRUMENTS: PRODUCTS OFFERED

14.1.10 WPS B.V.

TABLE 208 WPS B.V.: BUSINESS OVERVIEW

TABLE 209 WPS B.V.: PRODUCTS OFFERED

14.1.11 WIWAM

TABLE 210 WIWAM: BUSINESS OVERVIEW

TABLE 211 WIWAM: PRODUCTS OFFERED

14.1.12 ROTHAMSTED RESEARCH LIMITED

TABLE 212 ROTHAMSTED RESEARCH LIMITED: BUSINESS OVERVIEW

14.1.13 VBCF

TABLE 213 VBCF: BUSINESS OVERVIEW

TABLE 214 VBCF: SERVICES OFFERED

14.1.14 PLANT DITECH



TABLE 215 PLANT DITECH: BUSINESS OVERVIEW TABLE 216 PLANT DITECH: PRODUCTS OFFERED

14.1.15 BEX CO., LTD.

TABLE 217 BEX CO., LTD.: BUSINESS OVERVIEW TABLE 218 BEX CO., LTD.: PRODUCTS OFFERED

\*Details on Business Overview, Products & Services, Recent Developments, MnM View might not be captured in case of unlisted companies.

14.2 OTHER PLAYERS

14.2.1 HIPHEN

14.2.2 TERRAMERA INC.

14.2.3 SEED-X

14.2.4 EQUINOM

14.2.5 AGRELA ECOSYSTEMS

14.2.6 GARDIN

14.2.7 PETIOLE LTD.

14.2.8 PHENO-INSPECT GMBH

14.2.9 AGRI-EPI CENTRE LTD.

14.2.10 PHENOKEY BV

#### 15 ADJACENT AND RELATED MARKETS

15.1 INTRODUCTION

TABLE 219 ADJACENT MARKETS TO PLANT PHENOTYPING

**15.2 LIMITATIONS** 

15.3 AGRIGENOMICS MARKET

15.3.1 MARKET DEFINITION

15.3.2 MARKET OVERVIEW

TABLE 220 AGRIGENOMICS MARKET, BY APPLICATION, 2018–2025 (USD MILLION)

#### **16 APPENDIX**

16.1 DISCUSSION GUIDE

16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

**16.3 CUSTOMIZATION OPTIONS** 

16.4 RELATED REPORTS

16.5 AUTHOR DETAILS



# I would like to order

Product name: 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

Product link: <a href="https://marketpublishers.com/r/PD34489503BEN.html">https://marketpublishers.com/r/PD34489503BEN.html</a>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/PD34489503BEN.html">https://marketpublishers.com/r/PD34489503BEN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below



and fax the completed form to +44 20 7900 3970