

# **Israel Precision Farming Market Size Study, by Component (Hardware, Software, Services), by Technology (Guidance System, Remote Sensing, Variable Rate Technology), by Application (Yield Monitoring, Field Mapping, Crop Scouting, Weather Tracking, Irrigation Management, Farm Labour Management), and Forecasts 2022-2032**

<https://marketpublishers.com/r/IDCC5455ED6FEN.html>

Date: August 2024

Pages: 200

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

ID: IDCC5455ED6FEN

## **Abstracts**

Israel Precision Farming Market was valued at USD 58.89 million in 2023 and is expected to experience robust growth with a CAGR of 6.72% through 2024-2032. Precision farming, also known as precision agriculture, is a revolutionary approach to farm management that leverages advanced technologies such as GPS guidance, control systems, sensors, robotics, drones, autonomous vehicles, and telematics to enhance agricultural productivity and sustainability. This innovative method enables precise and controlled use of resources such as water, fertilizers, and pesticides, thereby improving efficiency and profitability in agricultural production.

The precision farming market in Israel is evolving rapidly, driven by significant adoption of cutting-edge technologies. Known for its technological innovation, Israel has integrated precision farming techniques extensively into its agriculture sector. Factors such as the need for sustainable farming practices, water resource scarcity, and strong governmental support for smart agriculture are propelling market growth. Additionally, the presence of numerous tech startups specializing in agricultural technologies further bolsters the market. Israel's inherent limitations in natural resources, especially water scarcity, are key drivers for the precision farming market. The country faces arid and semi-arid conditions, making water a critical resource. Precision farming technologies optimize water usage, ensuring efficient irrigation and minimizing waste. Israeli

entrepreneurs and innovators are at the forefront of developing technologies such as sensors, drones, AI, and data analytics tailored for precision agriculture. This ecosystem, supported by venture capital, research institutions, and government initiatives, fuels the rapid development and adoption of precision farming solutions.

The rising emphasis on sustainable agriculture practices is another significant driver for Israel's precision farming market. Precision farming aligns with sustainability by optimizing resource use, reducing environmental impact, and enhancing farm efficiency. As a leader in arid-zone agriculture, Israel recognizes the importance of sustainable practices for food security and environmental conservation. Technologies such as precision irrigation and smart farming systems minimize water, fertilizer, and pesticide use while maximizing crop yields, contributing to soil health, biodiversity, and reduced greenhouse gas emissions.

Moreover, the push for increased farm mechanization and labor efficiency is driving market growth. With a limited agricultural workforce, Israeli farmers are turning to precision farming technologies to automate and streamline tasks. Autonomous machinery, robotic systems, and advanced monitoring devices reduce manual labor and improve farm operations' overall efficiency. This trend is crucial for Israel's agricultural sector, which seeks to overcome labor shortages and maximize productivity. However, challenges such as limited arable land, fragmented farming, high initial costs, and return on investment concerns persist. Addressing these challenges is essential for the sustained growth of the precision farming market in Israel.

Major market players included in this report are:

Taranis Israel

Prospera Technologies Ltd.

CropX Technologies Ltd.

PickApp Farming Ltd.

Metzer Group

Roots Sustainable Agricultural Technologies Ltd.

Haifa Group

Netafim Ltd.

Tevatronic

Saturas Israel

The detailed segments and sub-segment of the market are explained below:

By Component:

Hardware

Software

Services

By Technology:

Guidance System

Remote Sensing

Variable Rate Technology

By Application:

Yield Monitoring

Field Mapping

Crop Scouting

Weather Tracking

Irrigation Management

Farm Labour Management

Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

## Contents

### **CHAPTER 1. ISRAEL PRECISION FARMING MARKET EXECUTIVE SUMMARY**

- 1.1. Israel Precision Farming Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Component
  - 1.3.2. By Technology
  - 1.3.3. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. ISRAEL PRECISION FARMING MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. ISRAEL PRECISION FARMING MARKET DYNAMICS**

### 3.1. Market Drivers

- 3.1.1. Limited Natural Resources & Water Scarcity
- 3.1.2. Rise In Need for Sustainable Agriculture Practices
- 3.1.3. Increasing Farm Mechanization & Labor Efficiency

### 3.2. Market Challenges

- 3.2.1. Limited Arable Land & Fragmented Farming
- 3.2.2. High Initial Costs & Return on Investment Concerns

### 3.3. Market Opportunities

- 3.3.1. Emergence of Quantum Computing
- 3.3.2. Enhanced Implementation in Robotics
- 3.3.3. Development of Autonomous Robots

## **CHAPTER 4. ISRAEL PRECISION FARMING MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top investment opportunity

### 4.4. Top winning strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. ISRAEL PRECISION FARMING MARKET SIZE & FORECASTS BY COMPONENT 2022-2032**

### 5.1. Segment Dashboard

## 5.2. Israel Precision Farming Market: Component Revenue Trend Analysis, 2022 & 2032 (USD Million)

5.2.1. Hardware

5.2.2. Software

5.2.3. Services

## **CHAPTER 6. ISRAEL PRECISION FARMING MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

### 6.1. Segment Dashboard

## 6.2. Israel Precision Farming Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Million)

6.2.1. Guidance System

6.2.2. Remote Sensing

6.2.3. Variable Rate Technology

## **CHAPTER 7. ISRAEL PRECISION FARMING MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

### 7.1. Segment Dashboard

## 7.2. Israel Precision Farming Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million)

7.2.1. Yield Monitoring

7.2.2. Field Mapping

7.2.3. Crop Scouting

7.2.4. Weather Tracking

7.2.5. Irrigation Management

7.2.6. Farm Labour Management

7.2.7. Others

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

### 8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

### 8.2. Top Market Strategies

### 8.3. Company Profiles

8.3.1. Taranis Israel

- 8.3.1.1. Key Information
- 8.3.1.2. Overview
- 8.3.1.3. Financial (Subject to Data Availability)
- 8.3.1.4. Product Summary
- 8.3.1.5. Market Strategies
- 8.3.2. Prospera Technologies Ltd.
- 8.3.3. CropX Technologies Ltd.
- 8.3.4. PickApp Farming Ltd.
- 8.3.5. Metzer Group
- 8.3.6. Roots Sustainable Agricultural Technologies Ltd.
- 8.3.7. Haifa Group
- 8.3.8. Netafim Ltd.
- 8.3.9. Tevatronic
- 8.3.10. Saturas Israel

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes



## List Of Tables

### LIST OF TABLES

TABLE 1. Israel Precision Farming market, report scope

TABLE 2. Israel Precision Farming market estimates & forecasts by Region 2022-2032  
(USD Million)

TABLE 3. Israel Precision Farming market estimates & forecasts by Component  
2022-2032 (USD Million)

TABLE 4. Israel Precision Farming market estimates & forecasts by Technology  
2022-2032 (USD Million)

TABLE 5. Israel Precision Farming market estimates & forecasts by Application  
2022-2032 (USD Million)

.....

This list is not complete, the final report does contain more than 100 tables. The list may be updated in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Israel Precision Farming market, research methodology
- FIG 2. Israel Precision Farming market, market estimation techniques
- FIG 3. Israel market size estimates & forecast methods.
- FIG 4. Israel Precision Farming market, key trends 2023
- FIG 5. Israel Precision Farming market, growth prospects 2022-2032
- FIG 6. Israel Precision Farming market, Porter's 5 force model
- FIG 7. Israel Precision Farming market, PESTEL analysis
- FIG 8. Israel Precision Farming market, value chain analysis
- FIG 9. Israel Precision Farming market by segment, 2022 & 2032 (USD Million)

.....

This list is not complete, the final report does contain more than 50 figures. The list may be updated in the final deliverable

## I would like to order

Product name: Israel Precision Farming Market Size Study, by Component (Hardware, Software, Services), by Technology (Guidance System, Remote Sensing, Variable Rate Technology), by Application (Yield Monitoring, Field Mapping, Crop Scouting, Weather Tracking, Irrigation Management, Farm Labour Management), and Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/IDCC5455ED6FEN.html>

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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/IDCC5455ED6FEN.html>

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**

Customer signature \_\_\_\_\_

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

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