

The Agricultural Greenhouse Environment Controllers Market is projected to grow to \$8.51 billion by 2030, CAGR of 8.8%.

*The Business Research Company's
Agricultural Greenhouse Environment
Controllers Global Market Report 2026 –
Market Size, Trends, And Forecast 2026-
2035*

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/EINPresswire.com/ -- The agricultural

greenhouse industry is experiencing rapid advancements, particularly in the development and use of environment controllers. These devices play a crucial role in optimizing growing conditions, ensuring healthier crops and improved yields. Let's explore the current market outlook, key growth drivers, major players, and regional dynamics shaping the future of environment controllers in agricultural greenhouses.

Growth Outlook and Market Size of Environment Controllers for Agricultural Greenhouses

The environment controllers market for agricultural greenhouses has seen robust growth in recent years. Market size is expected to increase from \$5.62 billion in 2025 to \$6.08 billion in 2026, reflecting a compound annual growth rate (CAGR) of 8.2%. This expansion during the historical period was driven by the rise in greenhouse farming, early adoption of basic climate control technologies, growing demand for stable crop yields, the growth of commercial horticulture, and continued reliance on manual environmental monitoring methods.

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Looking ahead, the market is forecasted to continue its upward trajectory, reaching \$8.52 billion by 2030 with an accelerated CAGR of 8.8%. Factors contributing to this growth include increased implementation of precision agriculture technologies, advancements in energy-efficient greenhouse systems, wider use of hydroponic and vertical farming solutions, growing demand for large-scale automated farming, and the expansion of urban agriculture infrastructure. Emerging trends such as IoT-enabled greenhouse environments, sustainable climate

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management, AI-based crop optimization, and smart robotic farming controls are expected to further fuel market progress.

Understanding the Environment Controllers Market for Agricultural Greenhouses

This market segment involves products and systems specifically designed to regulate and manage environmental conditions within greenhouses. These controllers help maintain optimal levels of temperature, humidity, light, and other vital elements necessary for plant growth. By automating these factors, environment controllers enable farmers to create ideal growing conditions that support healthier plants and better harvests.

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How Vertical Farming Investment is Driving Market Growth

A significant factor influencing market expansion is the rising investment in vertical farming. This innovative farming technique grows crops in vertically stacked layers, utilizing artificial lighting and carefully controlled environmental parameters such as temperature, carbon dioxide, oxygen, humidity, nutrients, pH, pest management, watering, and harvesting schedules. Environment controllers are critical in managing these complex conditions to maximize crop yield.

For example, in March 2023, a report by Al-Monitor, LLC highlighted the Saudi Public Investment Fund's launch of a new vertical farming initiative both within Saudi Arabia and across the Middle East and North Africa. Partnering with Aero Farms, a US-based indoor agricultural company, the project aims to meet food demand by producing up to 1.1 million kilograms (2.4 million pounds) of crops annually. Such investments in vertical farming are a strong driver of demand for environment controllers tailored to greenhouse agriculture.

Regional Leadership in the Environment Controllers Market for Agricultural Greenhouses

In terms of regional market share, Europe led the environment controllers market for agricultural greenhouses in 2025. The comprehensive market study covers major regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a detailed view of global market trends and opportunities.

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