

Plant Growth Chambers Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global plant growth chambers market size reached US\$ 504.4 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 767.6 Million by 2028, exhibiting a growth rate (CAGR) of 7.15% during 2023-2028.

Plant growth chambers are used to create artificial environments, with controlled humidity, light, temperature and atmospheric gas composition, for cultivating and examining the growth of plants. These chambers are generally made using metals and covered in a white enamel finish. They comprise sensors, touchscreen controls, observation windows, additional lighting, spray nozzle packages, alarms and glass doors, which enable users to regulate the conditions as per their requirement. They are widely utilized in research and development (R&D) projects to determine the effects of specific biotic or abiotic parameters during the life cycle of plants, thereby helping researchers understand their productivity.

Plant Growth Chambers Market Trends:

Rapid urbanization, rising population and declining arable land are leading to increasing food security concerns around the world. This represents one of the key factors catalyzing the demand for plant growth chambers as they enhance the productivity of the agricultural land. These chambers are utilized in horticulture crop production and provide consistent crop quality, increased productivity, flexibility in changing plant location and thus an efficient usage of the space. Apart from this, these chambers are also used for agricultural and botanical research, which is further augmenting the market growth. Furthermore, advancements in biological engineering, along with the growing adoption of genetically modified crops, is also contributing to the market growth. Moreover, the increasing popularity of plant growth chambers in dry climatic

regions that are more susceptible to drought conditions is also driving the growth of the market. Furthermore, increasing investments in R&D activities, coupled with the introduction of cost-efficient variants, are expected to drive the market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global plant growth chambers market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on equipment type, application, function and end use.

Breakup by Equipment Type:

- Reach-in
- Walk-in

Breakup by Application:

- Short to Medium Height Plants
- Tall Plants

Breakup by Function:

- Plant Growth
- Seed Germination
- Environmental Optimization
- Tissue Culture

Breakup by End Use:

- Clinical Research
- Academic Research

Breakup by Region:

- North America
- United States
- Canada
- Asia Pacific

China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Aralab, Binder GmbH, Caron Products & Services Inc., Conviron, Darwin Chambers, Hettich Benelux B.V., Percival Scientific, PHC Corporation Biomedical, Snijders Labs, Thermo Fisher Scientific and Weiss Technik.

Key Questions Answered in This Report

1. What was the size of the global plant growth chambers market in 2022?
2. What is the expected growth rate of the global plant growth chambers market during 2023-2028?
3. What are the key factors driving the global plant growth chambers market?
4. What has been the impact of COVID-19 on the global plant growth chambers market?
5. What is the breakup of the global plant growth chambers market based on the equipment type?
6. What is the breakup of the global plant growth chambers market based on the function?
7. What are the key regions in the global plant growth chambers market?

8. Who are the key players/companies in the global plant growth chambers market?

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