

Plant Growth Chambers Market - Forecasts from 2019 to 2024

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Abstracts

The plant growth chambers market is estimated to witness a CAGR of 5.07% during the forecast period to reach US\$712.433 million by 2024, from US\$529.607 million in 2018. Plant growth chambers are closed cabinets designed to create environmental conditions like humidity and temperature for optimum growth of plants. Growing global demand for food coupled with technological advancements in plant engineering is boosting the growth of plant growth chambers market. Furthermore, expanding middle-class population and living standards is leading to the shift in dietary patterns towards protein and dairy-rich food, which in turn, is escalating the demand for feed for livestock, thus positively impacting the growth of plant growth chambers market.

Geographically, North America and Europe hold significant market shares owing to the early adoption of advanced technologies and high investment in academic research regarding plant growth and nutrition. Additionally, dry climatic conditions in a few countries are boosting the demand for plant growth chambers.

DRIVERS

Increasing technological advancements in biological engineering.

Rising global food demand.

RESTRAINTS

Slow adoption rate in emerging economies.

INDUSTRY UPDATE

In February 2019, Weiss Technik North America Inc., acquired Cincinnati sub-zero, a leading provider of environmental test chambers.

In July 2018, Caron launched the new gBrite family of LED-powered plant growth chambers which allows modifying spectral mix on a shelf-by-shelf basis, for as many as three independent light zones per chamber.

The major players profiled in the Plant Growth Chambers market include Conviron, Weiss Technik North America, Inc, CARON Products & Services, Inc., Darwin Chambers, Stericox Sterilizer Systems India, Aralab and Thermo Fisher Scientific Inc. among others.

Segmentation

The plant growth chambers market has been analyzed through the following segments:

By Type

Walk-in chambers

Reach-in chambers

By Crop

Soybeans

Potatoes

Lentils

Peas

Others

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

Israel

Others

Asia Pacific

China

Japan

South Korea

India

Others

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