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Canada Greenhouse Market By Type (Plastic Greenhouse, Glass Greenhouse), By Crop Type (Fruits & Vegetable, Flowers & Ornamentals), By Equipment (Heating Systems, Cooling Systems), By Region, Competition, Forecast and Opportunity, 2028

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Abstracts

Canada greenhouse market is anticipated to grow significantly through 2028, due to the growing demand for organic food, locally grown crops, sustainable agriculture products, technological advancements, and government support to make greenhouse cultivation more efficient and cost-effective. As per government reports, Canada's agri-food system contributes USD 134.9 Billion to Canada's gross domestic product (GDP) which is around 6.8 % of GDP in Canada.

The greenhouse market is the market for structures, equipment, and supplies used in the cultivation of plants in controlled environments, such as greenhouses. The market includes products such as greenhouse structures, heating and cooling systems, lighting systems, irrigation systems, and growing media. There is a growing need for greenhouse cultivation due to several factors. One of the primary drivers is, the increasing demand for fresh and locally-grown produce. Greenhouse cultivation allows for year-round production of fruits and vegetables, making it possible to provide fresh produce to consumers regardless of the season.

Another factor driving the greenhouse market in Canada is the need for the adoption of sustainable agriculture processes. In Canada, the farms cover almost 62.2 million hectares which is 6.3% of Canada's land area. Greenhouse cultivation allows for more efficient use of resources such as water and fertilizer, reducing waste and improving crop yields. Additionally, greenhouse cultivation can help reduce the environmental impact of agriculture by reducing the need for pesticides and herbicides.

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Moreover, the greenhouse market is being driven by advances in technology, which have made greenhouse cultivation more efficient and cost-effective. For example, advanced lighting systems can provide plants with the exact spectrum of light they need to grow, while sensors and automation systems can help monitor and control growing conditions. Therefore, all the above-mentioned factors are expected to drive the demand of the Canada greenhouse market in the anticipated period.

Growing Awareness of the Benefits of Greenhouse Cultivation Driving the Market Demand

Greenhouse cultivation, also known as protected cultivation, has been gaining significant popularity in recent years as it provides an efficient way of farming in a controlled environment. In Canada, the greenhouse market is rapidly growing, with an increasing demand for fresh produce and the adoption of innovative technologies for efficient farming. In 2019, the vegetables and fruits cultivated through greenhouses amounted to USD 1.6 Billion which is growing consecutively over the last six years.

Greenhouse cultivation is the practice of growing crops in a protected environment, where the environment can be controlled to optimize plant growth. In Canada, the harsh weather conditions make it challenging to grow crops all year round, and here, the role of greenhouse cultivation comes from Canada. By growing crops in a protected environment, farmers can control temperature, humidity, light, and other factors that affect plant growth, resulting in higher yields and better-quality produce.

The reduced use of pesticides and herbicides is one of the significant benefits of greenhouse cultivation. As the environment is controlled, farmers can use natural methods to control pests and diseases, which is beneficial for both the environment and consumers. This has led to an increased demand for greenhouse-grown produce as consumers become more conscious of the impact of conventional farming on the environment and their health.

Another advantage of greenhouse cultivation is the efficient use of water and other resources. In a protected environment, water is recycled, and fertilizers are carefully managed, resulting in less wastage and more sustainable farming practices. This has become a crucial factor as water scarcity becomes a growing concern in many regions of Canada.

Also, the rising demand for locally grown produce has contributed to the growth of the

greenhouse market in Canada. In Canada, there are over 838 greenhouse vegetable farms across the country. The adoption of innovative technologies such as hydroponics, vertical farming, and LED lighting has made greenhouse cultivation more efficient and cost-effective. These technologies enable farmers to grow crops in smaller spaces, using fewer resources and achieving higher yields. As a result, the greenhouse market in Canada is becoming increasingly attractive to investors, entrepreneurs, and farmers alike. Therefore, the easy availability of raw materials is expected to propel the demand of the Canada greenhouse market in the forecasted period.

Supportive Government Policies Propels the Market Growth

The supportive government policies are indeed a factor that propels the Canada greenhouse market growth. The Canadian government has been proactive in implementing policies that promote sustainable agriculture, including the use of greenhouses. For instance, the Canadian government has provided financial assistance to farmers who want to invest in greenhouse technology. The funding is aimed at promoting the use of energy-efficient technology, which reduces the carbon footprint of the greenhouse industry. This support has enabled more farmers to invest in greenhouse farming and expand their operations, contributing to the growth of the industry. Such as, in September 2022 Minister of Agriculture and Agri-Food, Canada announced to invest more than $1.4 million to support SixRing Inc. Through this funding the company can scale up the low-energy biomass conversion process that converts agricultural waste into renewable fuels and sustainable advanced materials.

Additionally, the Canadian government has implemented regulations to promote sustainable agriculture. These regulations include guidelines on pesticide use, water conservation, and waste management. By implementing such regulations, the government has created an environment that is conducive to sustainable agriculture, which includes greenhouse farming.

Moreover, the government of Canada has been actively promoting the greenhouse industry through research and development. The government has funded research projects aimed at improving the efficiency and sustainability of greenhouse operations. This support has helped farmers to adopt new technologies and farming practices that have led to improved productivity and profitability. Such as, the Government of Canada is helping farmers in Canada to adopt clean technologies to reduce greenhouse gas by investing more than USD 8.7 million in 2022. Through this investment, they announced 28 additional projects under the Agricultural Clean Technology (ACT) Program.

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Supportive government policies have propelled the growth of the Canada greenhouse market domestically with a positive impact on the industry's exports. The Canadian government has implemented various policies aimed at promoting international trade and expanding the country's export market, such as the Canada Free Trade Agreement (CFTA), which has eliminated tariffs on greenhouse products exported to other CFTA member countries. This has made Canadian greenhouse products more competitive in the international market, leading to increased demand and exports.

The Canadian government has established trade agreements with other countries, such as the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) and the Canada-European Union Comprehensive Economic and Trade Agreement (CETA). These agreements have provided Canadian greenhouse farmers with access to new markets and opportunities for growth. Hence, such efforts by the Canadian government are expected to propel the Canada greenhouse market growth in the forecasted period.

Technological advancementto Drive the Canada Greenhouse Market Growth

Canada greenhouse market has experienced significant growth, driven in large part by technological advancements in greenhouse farming. These advancements have improved the efficiency, productivity, and sustainability of greenhouse operations, making them more economically viable and environmentally friendly.

One of the major significant technological advancements in greenhouse farming is the development of computer-controlled climate systems. These systems use sensors and algorithms to monitor and regulate temperature, humidity, and other environmental factors in the greenhouse. This allows farmers to create optimal growing conditions for their crops, which can lead to higher yields, improved crop quality, and reduced energy costs.

Advancement in energy-efficient lighting systems is another major technological advancement driving market growth. These lighting systems use LED technology and specialized wavelengths to provide optimal lighting for plant growth while reducing energy consumption. This helps to lower energy costs and reduce greenhouse gas emissions.

In addition to lighting systems, advances in irrigation technology had a significant impact on greenhouse farming. Advanced irrigation systems use precision watering techniques and smart sensors to deliver water and nutrients to plants with maximum efficiency,

reducing water usage and improving plant growth.

Greenhouse coverings have seen significant technological advancements, with high-tech coverings that offer better insulation, light transmission, and UV protection. These coverings help to create a stable environment for plant growth and reduce the need for energy-intensive heating and cooling systems.

Robotics and automation systems have played a significant role in the growth of Canada greenhouse market. These systems can automate tasks such as planting, harvesting, pruning, reducing labor costs, and improving productivity. Moreover, smart sensors and data analytics tools are helping greenhouse farmers to monitor and manage their operations in real time. This data can be used to optimize growing conditions, reduce waste, and improve crop quality, leading to increased profitability.

The adoption of new technologies is enabling greenhouse farmers to produce a wider range of crops, such as high-value specialty crops, and extend the growing season, which can lead to increased profitability. Furthermore, these advancements are making greenhouse farming more sustainable and environment friendly, reducing the industry's impact on the environment.

Market Segmentation

Canada greenhouse market is segmented based on type, crop type, equipment, and region. Based on type, the market is categorized into plastic greenhouses and glass greenhouses. Based on the crop type, the market is categorized into fruits & vegetables and flowers & ornamentals. Based on equipment, the market is fabricated into heating systems and cooling systems. Based on region, the market is segmented into Ontario, Quebec, the West, British Columbia, Atlantic Canada, and the North.

Company Profiles

Canada Greenhouse Kits.ca, Sun Parlour Greenhouse Co., BC Greenhouse Builders Ltd, Harnois Industries Inc, Westbrook Greenhouse Systems Ltd., Planta Greenhouse Inc., Greenhouse Style Corporation, Agriculture Solutions LLC, and Atlas Manufacturing, Inc. are some of the key players of Canada Greenhouse market.

Report Scope:

In this report, Canada Greenhouse Market has been segmented into the following

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categories, in addition to the industry trends, which have also been detailed below:

Canada Greenhouse Market, By Type:

Plastic Greenhouse

Glass Greenhouse

Canada Greenhouse Market, By Crop Type:

Fruits & Vegetable

Flowers & Ornamentals

Canada Greenhouse Market, By Equipment:

Heating Systems

Cooling Systems

Canada Greenhouse Market, By Region:

Ontario

Quebec

The West

British Columbia

Atlantic Canada

The North

Competitive landscape

Company Profiles: Detailed analysis of the major companies in Canada Greenhouse market.

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Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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