

Agro Textile Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented By Type (Woven, Knitted, Others), By Material (Synthetic, Natural), By End Use (Shade Nets, Fishing Nets, Bird Protection, Mulch Mats, Others), By Application (Agriculture, Aquaculture, Horticulture, Others), By Region and Competition

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Abstracts

The Global Agro Textile Market is anticipated to grow significantly through 2028 due to the increasing demand for organic products. The continuous increase in the global population is putting stress on the agricultural sector, leading to a higher demand for food products that improve crop quality and boost overall output. This can be achieved by implementing advanced technology on textile materials used in the agriculture sector, resulting in market growth over the forecast period.

Increasing Demand for Organic Products

The growing emphasis on healthy living has increased customer demand for natural and organic ingredients in all kinds of consumer goods. Consumers' primary concerns about the environmental effects of synthetic fibers and the sustainability of production methods have led to increased usage of natural fibers in agro textiles. These textiles are used to control the hazardous effects of the environment and climate on crop production, protecting the crop not only from external factors but also improving overall crop yield.

In addition, innovative techniques for crop protection and shading, such as capillary nonwovens and floating covering, have been developed using cutting-edge materials

including synthetic and natural fibers. These factors are anticipated to fuel the growth of the Global Agro Textile Market in the upcoming years.

Ongoing Advancements in Technology & Methodology

The emphasis is shifting toward R&D operations to manufacture a range of textiles by adding diverse qualities, such as UV ray protection, fluorescent, NIR blocking, and ultra-thermal. These qualities provide protection to the agricultural area, making them suitable for farming. UV-blocking coverings shield plants from diseases and pests. These coatings slow the spread of illnesses and pests, restrict the passage of UV rays into the greenhouse, and encourage plant development while inhibiting NIR light. Therefore, technological developments such as crop ventilation, soil fumigation, and drip farming help increase crop yield, resulting in the growth of the Global Agro Textile market during the forecast period.

For instance, according to the Food and Agricultural Organization of the United Nations, farmers stand to lose between 20% to 40% of crop production annually if they fail to apply viable crop protection methods.

There is a growing demand from the agricultural industry. The consumption of fruits, vegetables, and meat has increased due to the growing population in both developed and emerging nations. This shift in diet has put a strain on productivity and natural resources. Additionally, there has been a significant increase in the use of water, land, and other resources for agricultural purposes to meet the high demand for food from consumers.

The quest for higher agricultural yields and high-quality food has led to an increase in the usage of these fabrics. Crop growth has been impacted by urbanization and climate change, forcing farmers to embrace new textile technologies to increase production and meet customer demand for food. To achieve a sustainable global food balance, governments are focusing on boosting agricultural output, enhancing integration, and encouraging innovation in supply chains. In India, initiatives such as Pradhan Mantri Fasal Bima Yojana, Paramparagat Krishi Vikas Yojana, and Pradhan Mantri Krishi Sinchayee Yojana have been implemented by the government to increase agricultural production.

For instance, in 2020, according to the US Department of Agriculture, the agriculture and food-related industries in the USA contributed about a 5.2% share of the total GDP.

Recent Developments

In February 2022, Belton Industries produced Beltech 3302, Beltech 1394, Beltech 2484, Beltech 3301 as protective coverings used in agriculture or horticulture.

For tomato growing, Belton introduced reflective agriculture fabric used as a ground cover to control moisture and temperature in February 2021.

Agrolys WH 100 FR, the first halogen-free, flame-retardant reflecting woven groundcover, was introduced by Beaulieu Technical Textiles in July 2020.

In January 2020, Diatex participated in the world's largest horticultural trade show, IPM ESSEN 2020, which was held in Germany.

Market Segmentation

The Global Agro Textile Market is segmented based on type, material, end use, application, region and competitive landscape. In terms of type, the market is divided into woven, knitted, and others. As for the material, the market is segmented into synthetic and natural. The end use of the market includes shade nets, fishing nets, bird protection, mulch mats, and others. Regarding application, the market is categorized into agriculture, aquaculture, horticulture, and others. Finally, in terms of region, the market is divided into North America, Europe, Asia Pacific, South America, and the Middle East & Africa.

Company Profiles

TenCate Industrial Fabrics, Garware Technical Fibres Ltd., Beaulieu Technical Textiles SA, Belton Industries, Inc., Meyabond Industry & Trading (Beijing) Co., Ltd., Diatex SAS, Mogul Co., Ltd., Karatzis SA, Hy-TEX (UK) Ltd, Aduno s.r.l are some of the key players of Global Agro Textile Market.

Report Scope:

In this report, Global Agro Textile Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Agro Textile Market, By Type:

Woven

Knitted

Others

Agro Textile Market, By Material:

Synthetic

Natural

Agro Textile Market, By End Use:

Shade Nets

Fishing Nets

Bird Protection

Mulch Mats

Others

Agro Textile Market, By Application:

Agriculture

Aquaculture

Horticulture

Others

Agro Textile Market, By Region:

North America

United States

Mexico

Canada

Europe

France

Germany

United Kingdom

Spain

Italy

Belgium

Asia-Pacific

China

India

South Korea

Japan

Australia

South America

Brazil

Argentina

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive landscape

Company Profiles: Detailed analysis of the major companies in Global Agro Textile Market.

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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