

Agricultural Films and Bonding Market Report and Forecast 2025-2034

Market Report | 2025-07-28 | 170 pages | EMR Inc.

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Report description:

The global agricultural films and bonding market is expected to grow at a CAGR of 4.60% during the period 2025-2034.

The Global Agricultural Films and Bonding Market Likely to be Driven by Increased Demand for Good Quality Food and Innovative Agricultural Film Solutions

Over the previous sixty years, agricultural productivity and output have improved dramatically, and plastic agricultural films have played an important role therein. The agriculture industry is faced with the burden of feeding an ever-increasing global population while also managing scarcity of resources such as water, agricultural land, and soil. Agriculture is a crucial industry for technological innovation, and concepts such as smart farming, precision agriculture, and the use of new agricultural films for productivity improvements are becoming increasingly common. For greenhouse farming, mulching, and soil protection, agricultural films and bonding are widely employed.

Temperature management, reduced soil erosion and compaction, weed control, seed germination, nutrient conservation, and UV protection are a few of the advantages of the use of agricultural films. Agricultural films are used in mulching, greenhouse covering, netting, silage, etc. Bonding refers to fastening two or more films to reinforce structural shape and stability. Rising demand for greater quantities of high-quality crops and more efficient ways of agricultural production are likely to drive the market.

Agricultural films help the plants to grow with minimum water, soil, and nutrition. Materials generally used to produce agricultural films are Polyethylene (PE), Linear Low Density Polyethylene (LLDPE), Low Density Polyethylene (LDPE), Polyvinyl Chloride (PVC), Polyethylene Terephthalate (PET), among others. While agricultural films are usually opaque, transparent or translucent films may be employed for specific uses. Agricultural films control temperature and moisture, protect plants from frost and low temperatures, save energy by reducing heating costs, boost crop production, and improve plant quality. The rising number of large and small greenhouses using agricultural films is expected to stimulate the market.

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Ongoing developments in food production have fuelled demand for effective additives and colourants for plastics in agricultural applications. Agricultural plastic converters need products that improve the durability of plastics and increase crop yield and quality, all while satisfying rigid standards in terms of the effect of agricultural activities on environment, water usage, and material costs.

Today, manufacturing firms offer films with a high-quality finish on flat or cylindrical surfaces. Several manufacturers are striving to offer new and innovative solutions, such as florescent, UV and NIR blocking and ultra-thermic screens. These innovative solutions are expected to help in market growth. Further, firms are offering biodegradable and bio-based polymer films, which are likely to boost market demand. An example is BASF's 'ecovio M', particularly developed for farming and gardening film applications. It is certified compostable and contains biobased content. Thus, farmers need not spend time and energy collecting the films after harvest, rather, directly plow it in, saving time and money.

In Asia, China possesses the largest market share of agricultural films. The use of agricultural films is gradually expanding to other regions, including Europe and North and South America.

Global Agricultural Films and Bonding Market Segmentation

Global Agricultural Films and Bonding Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

By product, the market is segmented into

- Agricultural Film
- Agricultural Twine
- Agricultural Netting
- Others

By raw material, the market is classified according to

- Agricultural Film (which is further divided into)

- ??- LDPE
- ??- Others

- Agricultural Twine (which is further divided into)?

- ??- Sisal
- ??- Polypropylene
- ??- LDPE
- ??- Others

- Agricultural Netting (which is further divided into)?

- ??- HDPE
- ??- LDPE
- ??- Polypropylene
- ??- Others

By application, the market is classified according to

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- Greenhouse
- Mulching
- Silage
- Vegetable Packing
- Fruit Packing
- Bale
- Anti-insects
- Others

By region, the market is segmented into

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Key Industry Players in the Global Agricultural Films and Bonding Market

The report presents a detailed analysis of the following key players in the industry, looking into their capacity, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Trioworld
- Ab Rani Plast Oy
- Berry Global Inc.
- BASF SE
- Groupe Barbier
- Others

The EMR report gives an in-depth insight into the industry by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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