

Biodegradable Mulch Films Market is Expected to see a Growth of 7.90% During the Forecast Period 2023-2030

The biodegradable mulch films market refers to the use of plant-based, compostable materials to cover soil and protect crops.

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In 2021, the [Biodegradable Mulch Films Market](#) was estimated to be worth USD 24.51 million. It is anticipated that the market for biodegradable mulch films will increase from USD 26.44 million in 2022 to USD 52.43 million in 2030, with a compound annual growth rate (CAGR) of 7.90% over the course of the forecast period (2023 - 2030). Increased need and demand for food crops as a result of population growth.



Biodegradable films contribute to the settlement of "significant challenges" such as water conservation, oil pollution, and climate change by improving agricultural output and so offering some limited answers to this fast-expanding problem. The population has been growing quickly, and it is anticipated that this tendency will continue during the projected period.

Major nations all across the world now have considerably larger populations. Primary resources, in especially food, are under stress as a result of this situation. The amount of food consumed per person has increased as a result of population expansion. The population is predicted to increase significantly in almost all major nations. It is anticipated that this element would put pressure on food production, compel farmers to select more effective food production techniques.

Because these films offer efficient crop protection, higher yields, and improved production cycles, this development is certain to be advantageous for the market. There have been attempts made to develop high-quality food crops with larger yields in order to fulfill the growing demand

for food as a result of increased per capita consumption. By accelerating germination cycles, avoiding direct contact between the crop and soil, and keeping fertilizer and nutrients close to the crop, agricultural mulch films boost yield. As a consequence, it is anticipated that throughout the forecast period, demand for biodegradable mulch films would increase. One reason boosting the growth of the "Biodegradable Mulch Films market revenue" is the rising acceptance of bio-based goods of Biodegradable Mulch Films.

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Regional Perspectives on Biodegradable Mulch Films.

North America, Europe, Asia-Pacific, and the Rest of the World are the regions into which the study divides the market. The market for biodegradable mulch films in North America is estimated to reach USD 5 66 million in 2021 and grow at a CAGR of 23.10% over the research period. This is ascribed to developments in technology, such as the creation of biodegradable mulch films and a rise in regional knowledge of mulch films and contemporary agricultural methods.

Also included in the study are the United States, Canada, Mexico, Germany, France, and the United Kingdom. Brazil, South Korea, Australia, China, Japan, India, Spain, Italy, and Spain.

Due to the growing usage of these films, Europe holds the second-largest market share for biodegradable mulch films. Large-scale and high-quality agricultural production, rising R&D spending, government assistance, and an increase in people's adoption of healthy lifestyles. Due to its expanding population and therefore rising demand for high crop yield and high-quality goods, North America overtook Europe as the second-largest economy. According to Furiner, the UK's [biodegradable mulch film industry](#) was expanding at the quickest rate in the European area, while Germany's market had the greatest market "share." From 2022 to 2030, the Asia-Pacific Biodegradable Mulch Films Market is anticipated to expand at a CAGR of 32.10%.

This is a result of the developing agricultural industry to fulfil the rising demand for food and the increasing awareness among farmers of the advantages of biodegradable mulch film over conventional plastic film. Also, these nations are becoming more urbanised and undergoing industrial boom, which has raised consumer standards of living and boosted demand for 100 ProjUCS; this factor will also influence market share throughout the projection period. Moreover, the Asia-Pacific region's biodegradable mulch film market in India was expanding at the quickest rate, while the market in China retained the greatest market share.

For instance, the Indian biodegradable mulch films market is being driven by a rising need for alternatives to plastic film in the agricultural and horticulture sectors. Asia-Pacific is thus expected to expand at the fastest pace throughout the projected period of 2022-2030.

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Insights about the Biodegradable Mulch Films market segment

Thermoplastic starch (TPS), aliphatic- aromatic copolyesters (AAC), and controlled degradation masterbatches are included in the market segmentation for biodegradable mulch films based on biodegradable plastic. The segment of Biodegradable Mulch Films made up mostly of thermoplastic starch (TPS) in 2021, accounting for around 51.20% of the market's sales. This is mostly due to thermoplastic starch's accessibility, biodegradability, renewability, and affordability.

According to the market segmentation of biodegradable mulch films based on composition, starch, starch mixed with polylactic acid (PLA), and starch blended with polyhydroxyalkanoate are all included (PHA). In 2021, the starch segment led the market, and it is anticipated that throughout the projection period, 2022–2030, it would increase more quickly than any other section. Due to its widespread availability and inexpensive cost, starch is in great demand in the market for biodegradable plastic films. When starch comes into touch with soil microbes, it also breaks down into innocuous compounds. It also contains a lot of amylose, which helps to create strong, flexible biodegradable mulch films. This has increased consumer demand for starch-based biodegradable mulch film.

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Key Vendors:

Important players include BASF SE (US), The Dow Chemical Company (US), RKW SE (Germany), AL-PACK Enterprises Ltd. (Canada), British Polythene Industries PLC (U.K.), Kingfa Science & Tech Co. Ltd., BioBag International AS (Norway), AEP Industries Inc. (U.S.), Armando Alvarez (Spain), and Novamont S.P.A. (Italy).

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