

Biodegradable Mulch Films Market Forecast Shows 8.72% CAGR, Reaching USD 143.34 Million by 2035

The Biodegradable Mulch Films Market is seeing strong growth fueled by rising sustainability demands and ongoing product innovation.

NEW YORK, NY, UNITED STATES, December 4, 2025 /EINPresswire.com/ -- Introduction

The <u>biodegradable mulch films market</u> is experiencing significant growth, driven by increasing environmental awareness and the demand for sustainable agricultural practices. As



biodegradable Mulch Films

traditional plastic films pose environmental challenges, biodegradable alternatives are gaining traction among farmers and agricultural producers. This article explores the current state of the biodegradable mulch films market, key trends, drivers, and future outlook.

Market Overview

According to recent analyses, the biodegradable mulch films market was valued at approximately \$57.14 million in 2024 and is projected to reach \$143.34 million by 2035, growing at a compound annual growth rate (CAGR) of 8.72% from 2025 to 2035. This growth is largely attributed to the increasing adoption of sustainable practices in agriculture and supportive regulatory frameworks aimed at reducing plastic waste.

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Key Market Segments

By <u>Biodegradable Plastic</u> Type:

Thermoplastic Starch (TPS): Currently holds the largest market share due to its natural origin and

favorable properties.

Aliphatic-Aromatic Copolyesters (AAC): This segment is the fastest-growing, known for its superior mechanical strength and compatibility with various applications.

By Composition:

Starch: Dominates the market due to its cost-effectiveness and availability.

Starch Blended with Polylactic Acid (PLA): Emerging as a significant contender, offering enhanced properties like greater strength and flexibility.

Regional Insights

North America: Holds the largest market share (approximately 45%), driven by stringent environmental regulations and government incentives promoting sustainable farming. Europe: The second-largest market (around 30%), influenced by the European Union's Green Deal and national policies encouraging biodegradable solutions.

Asia-Pacific: Rapidly growing market, projected to hold about 20% share, with countries like Japan and Australia leading the adoption of biodegradable mulch films.

Middle East and Africa: Currently a smaller market (around 5%), but expected to grow as awareness of sustainable practices increases.

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Key Drivers of Market Growth

Rising Agricultural Production Needs: With the global population expected to reach 9.7 billion by 2050, the demand for food is escalating, prompting farmers to seek innovative solutions like biodegradable mulch films that enhance crop yields.

Government Initiatives and Incentives: Many governments are implementing policies that encourage the use of biodegradable materials, including financial incentives for farmers adopting these practices.

Technological Innovations: Advances in material science are leading to the development of more efficient and cost-effective biodegradable films, making them increasingly appealing to farmers. Consumer Preference for Organic Products: The growing demand for organic produce is compelling farmers to adopt sustainable practices, including the use of biodegradable mulch films.

Increasing Awareness of Environmental Issues: As sustainability becomes a priority, stakeholders are seeking eco-friendly alternatives to traditional plastic mulch films.

Competitive Landscape

The biodegradable mulch films market is characterized by a dynamic competitive landscape, with key players such as BASF SE, Novamont S.p.A., BioBag International AS, and NatureWorks

LLC leading the way. These companies are focusing on innovation, partnerships, and expanding their product offerings to enhance their market positions.

Recent Developments

BASF SE has announced partnerships to co-develop new biodegradable mulch films tailored for specific crop types.

Novamont S.p.A. launched a new line of biodegradable mulch films designed specifically for organic farming.

NatureWorks LLC unveiled a new production facility to increase the output of its biodegradable materials.

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Future Outlook

The biodegradable mulch films market is poised for substantial growth, driven by sustainability trends, regulatory support, and agricultural innovation. By 2035, the market is expected to solidify its position as a leader in sustainable agricultural solutions, with new opportunities emerging as consumer demand for eco-friendly products continues to rise.

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