

Mulch Film Market Size, Share & Trends Analysis Report By Raw Material (Conventional, Biodegradable), By Crop (Fruits & Vegetables, Grains & Oilseeds, Flowers & Plants), By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Mulch Film Market Growth & Trends

The global mulch film market size is anticipated to reach USD 7.68 billion by 2030 and is anticipated to expand at a CAGR of 10.7% from 2025 to 2030 according to a new report by Grand View Research, Inc. The growing need for higher crop yields alongside shrinking arable land is anticipated to be a major factor fueling market expansion. Important uses of mulch film encompass moisture retention and temperature regulation in the soil, minimizing weed growth, supplying nutrients, protecting against ultraviolet (UV) rays, decreasing soil erosion and compaction, along with enhancing seed germination.

The agricultural sector, a significant user of plastic mulch films, has been directly impacted by these regulations, encouraging the adoption of biodegradable alternatives to comply with new environmental standards. The market is further promoted by the increasing focus on circular economic principles in agriculture, which emphasizes the reduction, reuse, and recycling of materials. The shift from a linear to a circular economy, where products are designed for durability and recyclability, is encouraging farmers and agricultural businesses to use biodegradable mulch films made from renewable resources like starch, corn, and sugarcane byproducts.

Additionally, the global mulch film industry is also witnessing advancements in additive

technology, as manufacturers look to enhance the performance of biodegradable films. Additives such as UV stabilizers, antioxidants, and biodegradable fillers are being integrated into mulch films to improve their lifespan and performance in varying agricultural environments. These additives help extend the durability of bio-based films, enabling them to perform comparably to conventional plastic films while maintaining their environmental benefits.

Mulch Film Market Report Highlights

Based on raw material, the conventional segment held the largest share, accumulating 78.12% market share in 2024. The growing demand for durable, long-lasting, and cost-effective mulch films is a key driver in the conventional mulch films segment.

Fruits & Vegetables dominated the crop type segment and is expected to grow at a significant CAGR in the coming years. Mulch films play a crucial role in enhancing the growth conditions for fruits and vegetables by regulating soil temperature, maintaining moisture levels, and reducing weed growth.

Based on region, Asia Pacific dominated the global flexible PU Foam market, accumulating 46.14% market share in 2024. The Asia Pacific region's rapidly growing population is one of the primary drivers behind the rising demand for mulch films in agriculture.

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