

# **United States Sustainable Packaging Market By Material (Paper, Plastic, Glass, Metal), By Process (Recycled Packaging, Reusable Packaging, Degradable Packaging) By End-Use (Food & Beverages, Cosmetic & Personal Care, Pharmaceuticals & Healthcare, Others), By Region, Competition**

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## **Abstracts**

The United States Sustainable Packaging Market achieved a valuation of USD 45.37 billion in 2022 and is poised for significant growth in the forecast period, projected to attain a Compound Annual Growth Rate (CAGR) of 4.12% through 2028 and expected to reach at USD 58.27 billion by 2028. Sustainable packaging involves the design, creation, and utilization of packaging materials and systems that minimize their impact on the environment while fulfilling the functional requirements of safeguarding, preserving, and presenting products. The aim of sustainable packaging is to find a delicate equilibrium between environmental responsibility and the essential functions of packaging. The United States sustainable packaging market is undergoing a profound transformation driven by shifting consumer preferences, regulatory pressures, technological advancements, and an increasing commitment to environmental responsibility. As global concerns around plastic pollution, resource depletion, and climate change intensify, sustainable packaging has emerged as a pivotal solution to mitigate the environmental effects of consumer goods.

### **Key Market Drivers**

#### **Consumer Demand and Environmental Awareness**

Recent years have witnessed a seismic change in consumer behavior and values, which has catalyzed a profound shift in the packaging industry. The United States sustainable packaging market is witnessing substantial growth, driven by the potent combination of consumer demand and heightened environmental consciousness. Consumers have evolved from passive buyers to conscientious decision-makers who wield significant influence over businesses and industries. A fundamental shift in consumer values has led to the emergence of an eco-conscious generation of buyers who are inclined to make environmentally responsible choices. This surge in consumer demand for sustainable products, including packaging, has triggered a paradigm shift that businesses can no longer overlook. An important driver of growth in the U.S. sustainable packaging market is the increasing preference for products that align with consumers' environmental values. Brands embracing sustainable packaging practices are reaping the rewards of heightened consumer loyalty and expanded market share. Consumers are increasingly drawn to brands that exhibit a commitment to environmental stewardship and social responsibility. Sustainable packaging serves as a visible manifestation of a brand's values, fostering deeper connections with consumers. Millennials and Generation Z, in particular, are leading the drive towards sustainability. These demographics are more likely to scrutinize packaging materials, demand transparency, and choose products packaged in eco-friendly materials. Growing awareness of the detrimental impact of plastic pollution on oceans and ecosystems has motivated individuals to seek alternatives to single-use plastics. This concern has penetrated consumer choices and spurred demand for packaging solutions that minimize plastic waste. Environmental education and awareness campaigns have proliferated, educating consumers about the environmental consequences of their packaging choices. The more informed consumers become, the more likely they are to demand and support sustainable packaging alternatives. Social media platforms have become powerful tools for disseminating environmental messages and raising awareness about sustainable practices. Viral content highlighting plastic waste and pollution has ignited public discourse and motivated consumers to instigate change.

### Regulatory Pressures and Policies Driving Market Growth

In the pursuit of a greener and more sustainable future, regulatory pressures and policies have emerged as pivotal drivers of change, propelling the United States sustainable packaging market into a new era. As concerns about environmental degradation, plastic waste, and resource depletion intensify, governments and regulatory bodies are intensifying efforts to address these challenges. The United States, with a diverse array of regulations at the federal, state, and local levels, is experiencing a wave of regulatory pressures aimed at transforming the packaging

industry. One of the most influential regulatory measures has been the prohibition or limitation of single-use plastics. Numerous states and local jurisdictions across the U.S. have enforced or proposed bans on items like plastic bags, straws, and foam containers. These bans have compelled businesses to explore sustainable alternatives for packaging. Extended Producer Responsibility (EPR) laws hold producers accountable for the disposal and recycling of their products and packaging. These laws create financial incentives for businesses to design packaging that is easily recyclable or compostable, fostering the adoption of sustainable packaging practices. Many states have set ambitious recycling targets, motivating companies to increase the use of recycled materials in packaging. These mandates encourage businesses to invest in sustainable materials and embrace practices aligned with circular economy principles. Government agencies, educational institutions, and businesses are progressively adopting green procurement policies that prioritize the use of sustainable products, including packaging materials. This spurs demand for packaging solutions with robust environmental credentials.

### E-commerce Boom and Packaging Innovation

The ascendance of e-commerce has redefined consumer shopping habits, reshaping the retail landscape and inducing significant shifts in the packaging industry. This profound change has also emerged as a crucial growth driver for the United States sustainable packaging market. E-commerce has revolutionized the way products are purchased, altering consumer behavior and the demands placed on packaging. The convenience of online shopping has given rise to fresh challenges and opportunities for the packaging sector. As more goods are shipped directly to consumers' doorsteps, packaging has adapted to meet the requirements of protection, branding, and environmental responsibility. E-commerce necessitates packaging that ensures products reach customers in optimal condition, unharmed, and well-presented. Sustainable packaging solutions must fulfill these functions while minimizing waste and resource consumption. E-commerce packaging has prompted the optimization of packaging designs to reduce excess materials. This trend aligns well with the goals of sustainable packaging, as lighter and more efficient packaging diminishes overall environmental impact. E-commerce often involves shorter supply chains and reduced transportation distances compared to traditional retail, potentially leading to lower carbon emissions and further underscoring the environmental advantages of sustainable packaging. The convenience of e-commerce appeals to eco-conscious consumers seeking products with minimal environmental impact. Sustainable packaging resonates with these consumers, boosting brand loyalty and market share. Packaging that matches the size of the product curtails waste and ensures resource efficiency.

Companies are innovating with adjustable packaging or materials that mold to the shape of the product. Traditional packaging fillers such as bubble wrap and foam peanuts are being substituted with biodegradable or compostable alternatives, reducing plastic waste and pollution. E-commerce translates to higher product return rates. Packaging designs that facilitate easy and eco-friendly returns are gaining traction, reducing overall packaging waste. Brands are embracing minimalist packaging designs that utilize fewer materials and emphasize product content. This not only diminishes waste but also heightens the unboxing experience for consumers.

## Key Market Challenges

### Balancing Functionality and Sustainability

Sustainable packaging has emerged as a pivotal focus within the broader endeavor to reduce environmental impact and foster responsible consumption. However, the journey towards sustainable packaging is not without its challenges, and one of the most significant obstacles is striking a delicate equilibrium between functionality and sustainability. Packaging serves a multitude of purposes beyond safeguarding products. It also communicates crucial information to consumers, enhances brand identity, maintains product freshness, and provides convenience in handling and transportation. These functions are vital for delivering a positive consumer experience and preserving the product's integrity throughout its lifecycle.

### Complex Material Landscape

Sustainable packaging has become a vital frontier in the global drive to mitigate environmental impact and promote responsible consumption. One of the most notable challenges faced by the sustainable packaging market is the complexity of the material landscape. This challenge arises from the need to identify materials that not only align with sustainability goals but also meet functional and economic requirements. The push for sustainable packaging has spurred the exploration and development of an extensive array of materials, each possessing its own set of advantages and limitations. The material landscape is characterized by diversity, innovation, and a range of environmental implications. While this diversity offers opportunities for customized solutions, it also presents a challenge in terms of selecting the right material for a specific product and context.

### Lack of Standardization

In the absence of clear standards, consumers may find themselves uncertain about the actual environmental impact of the packaging they select. Misunderstanding terms or labels could lead to unintended consequences, such as improper disposal or hesitance to embrace sustainable options. Companies endeavoring to adopt sustainable packaging practices encounter difficulties in choosing the most suitable materials and methods. The absence of consistent criteria makes it challenging to effectively evaluate and compare different options. The lack of standardized definitions can lead to regulatory challenges. Businesses may encounter difficulties adhering to regulations that lack clarity or consistency concerning sustainable packaging requirements. The absence of standardization can result in inconsistencies in the claims made by brands about their packaging's environmental impact. This can erode consumer trust and complicate efforts to encourage sustainable choices.

## Key Market Trends

### Sustainable and Eco-Friendly Solutions

Sustainable packaging has emerged as a crucial focal point within the broader sustainability movement. As consumer environmental consciousness grows and governments enact stricter regulations, the sustainable packaging market in the United States has experienced substantial growth and transformation. Consumer demand for eco-friendly products and packaging has been a driving force behind the expansion of sustainable packaging in the U.S. As awareness of environmental concerns increases, consumers actively seek out products that align with their values. This trend has spurred manufacturers and brands to adopt sustainable packaging materials and practices to meet this escalating demand. Government regulations aimed at reducing packaging waste and promoting sustainability have also influenced the U.S. packaging market. Several states have introduced legislation targeting single-use plastics and advocating for recycled content in packaging. These regulations oblige businesses to embrace more sustainable packaging practices to remain compliant and avoid penalties. Advances in materials science have played a pivotal role in revolutionizing the sustainable packaging landscape. Bioplastics, derived from renewable resources like corn or sugarcane, are gaining prominence as alternatives to traditional plastics. Furthermore, innovations in materials such as recycled cardboard, molded pulp, and plant-based polymers offer versatile and eco-friendly packaging choices. Sustainable packaging has become a pivotal element in brand differentiation and customer loyalty strategies. Companies leverage their dedication to sustainability to attract environmentally conscious consumers. By prominently showcasing eco-friendly packaging options, brands can build stronger connections with their target audience and



position themselves as responsible industry leaders.

## Segmental Insights

### Material Insights

In 2022, the United States Sustainable Packaging Market was predominantly led by the Paper segment and is projected to sustain growth in the upcoming years. Paper, sourced from trees, a renewable resource that can be managed and replanted sustainably, dominates this landscape. Responsible forestry practices can minimize the environmental impact of utilizing trees for paper production. Paper is biodegradable and naturally decomposes over time, reducing its long-term environmental footprint compared to non-biodegradable materials like plastics. Additionally, paper is highly recyclable and can undergo multiple recycling cycles, lowering the demand for virgin materials and decreasing waste. Recycled paper is often used to manufacture new packaging products.

### End-Use Insights

In 2022, the Food and Beverages segment commanded the United States Sustainable Packaging Market and is expected to continue expanding in the foreseeable future. As consumers become increasingly concerned about the environmental implications of their purchasing decisions, they are more likely to support brands offering sustainable packaging choices. The food and beverage industry, being a highly visible and consumer-driven sector, has responded to this demand by adopting sustainable packaging practices. Sustainable packaging aligns with the corporate social responsibility objectives of many food and beverage companies. Embracing eco-friendly packaging can enhance brand reputation, attract environmentally conscious consumers, and confer a competitive edge in the market.

### Regional Insights

The Midwest region has emerged as the front-runner in the United States Sustainable Packaging Market. Historically a hub for industry and manufacturing, the Midwest possesses a robust manufacturing foundation. This infrastructure could equip the region with the requisite resources and expertise to produce sustainable packaging materials and solutions. The Midwest's central geographic location in the U.S. could offer logistical advantages for the distribution and transportation of sustainable packaging materials. This potential advantage can contribute to reduced carbon emissions linked

to transportation.

Key Market Players

Amcor Group GmbH

WestRock Company

The Smurfit Kappa Group plc

Mondi Group

Tetrapak USA Ltd.

Sealed Air Corp

Huhtamaki Americas Inc.

Berry United States Group, Inc.

Crown Holdings, Inc.,

Report Scope:

In this report, the United States Sustainable Packaging Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

United States Sustainable Packaging Market, By Material:

Paper

Plastics

Glass

Metal

### United States Sustainable Packaging Market, By Process:

Recycled Packaging

Reusable Packaging

Degradable Packaging

### United States Sustainable Packaging Market, By End Use:

Food & Beverages

Cosmetics & Personal Care

Pharmaceuticals & Healthcare

Others

### United States Sustainable Packaging Market, By Region:

Midwest

Northeast

West

South

### Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the United States Sustainable Packaging Market.

### Available Customizations:

United States Sustainable Packaging Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

*United States Sustainable Packaging Market By Material (Paper, Plastic, Glass, Metal), By Process (Recycled Pa...*



## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

- 1. Product Overview
  - 1.1. Market Definition
  - 1.2. Scope of the Market
    - 1.2.1. Markets Covered
    - 1.2.2. Years Considered for Study
    - 1.2.3. Key Market Segmentations

## 2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

## 3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

## 4. VOICE OF CUSTOMER

## 5. IMPACT OF COVID-19 ON UNITED STATES SUSTAINABLE PACKAGING MARKET

## 6. UNITED STATES SUSTAINABLE PACKAGING MARKET OUTLOOK

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast

- 6.2.1. By Material (Paper, Plastic, Glass, Metal)
- 6.2.2. By Process (Recycled Packaging, Reusable Packaging, Degradable Packaging)
- 6.2.3. By End-Use (Food & Beverages, Cosmetic & Personal Care, Pharmaceuticals & Healthcare, Others)
- 6.2.4. By Company (2022)
- 6.2.5. By Region (Midwest, West, Northeast, South)
- 6.3. Market Map

## **7. MIDWEST UNITED STATES SUSTAINABLE PACKAGING MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Material
  - 7.2.2. By Process
  - 7.2.3. By End-Use
  - 7.2.4. By Country

## **8. WEST UNITED STATES SUSTAINABLE PACKAGING MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Material
  - 8.2.2. By Process
  - 8.2.3. By End-Use

## **9. NORTHEAST UNITED STATES SUSTAINABLE PACKAGING MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Material
  - 9.2.2. By Process
  - 9.2.3. By End-Use

## **10. SOUTH UNITED STATES SUSTAINABLE PACKAGING MARKET OUTLOOK**

## 10.1. Market Size & Forecast

### 10.1.1. By Value

## 10.2. Market Share & Forecast

### 10.2.1. By Material

### 10.2.2. By Process

### 10.2.3. By End-Use

## 11. MARKET DYNAMICS

### 11.1. Drivers

### 11.2. Challenges

## 12. MARKET TRENDS & DEVELOPMENTS

### 12.1. Recent Developments

### 12.2. Product Launches

### 12.3. Mergers & Acquisitions

## 13. PESTLE ANALYSIS

## 14. PORTER'S FIVE FORCES ANALYSIS

### 14.1. Competition in the Industry

### 14.2. Potential of New Entrants

### 14.3. Power of Suppliers

### 14.4. Power of Customers

### 14.5. Threat of Substitute Product

## 15. COMPETITIVE LANDSCAPE

### 15.1. Business Overview

### 15.2. Company Snapshot

### 15.3. Products & Services

### 15.4. Financials (In case of listed companies)

### 15.5. Recent Developments

### 15.6. SWOT Analysis

#### 15.6.1. Amcor Group GmbH

#### 15.6.2. WestRock Company

- 15.6.3. The Smurfit Kappa Group plc
- 15.6.4. Mondi Group
- 15.6.5. Tetrapak USA Ltd.
- 15.6.6. Sealed Air Corp
- 15.6.7. Huhtamaki Americas Inc.
- 15.6.8. Berry United States Group, Inc.
- 15.6.9. Crown Holdings, Inc.,

## **16. STRATEGIC RECOMMENDATIONS**

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