

Compost Market Outlook 2025-2034: Market Share, and Growth Analysis By Product Type (Yard Trimming, Food Waste, Manure, Mushroom Compost, Vermicomposting), By Application (Agriculture, Home Gardening, Landscaping, Horticulture, Construction, Other Applications)

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Abstracts

The Compost Market is valued at USD 10.9 billion in 2025 and is projected to grow at a CAGR of 8.9% to reach USD 23.5 billion by 2034. The compost market plays a pivotal role in sustainable waste management and agriculture, offering an environmentally friendly solution for recycling organic material into nutrient-rich soil amendments. Compost is widely used in farming, landscaping, and horticulture to enhance soil fertility, improve water retention, and support plant growth. With increasing awareness of the environmental benefits of composting and the need for reducing landfill waste, demand for high-quality compost products has been steadily growing. Governments, businesses, and households alike are adopting composting practices as part of broader initiatives to create more circular and sustainable waste management systems. A major trend in the compost market is the integration of advanced composting technologies. Innovations such as in-vessel composting, aerated static pile systems, and automated monitoring equipment have streamlined the composting process, allowing for faster production cycles and more consistent product quality. Additionally, the use of organic waste from municipal, agricultural, and industrial sources is expanding as governments implement stricter regulations on waste disposal. Composting these diverse organic streams not only reduces greenhouse gas emissions from landfills but also helps to address soil degradation and the need for sustainable agricultural inputs. Despite its growth, the compost market faces challenges such as contamination in organic waste streams, inconsistent product quality, and limited consumer education on the benefits of

compost. Additionally, the high initial costs of advanced composting infrastructure can deter some operators. However, increased public and private sector investment, supportive government policies, and the growing global emphasis on sustainable waste management are helping to overcome these barriers. As composting technologies improve and awareness of compost's environmental and agricultural benefits continues to spread, the market is poised for long-term growth and innovation.

Key Insights Compost Market

- Adoption of advanced composting technologies, including in-vessel and aerated static pile systems.
- Increased use of compost in sustainable farming and landscaping practices.
- Expansion of organic waste diversion programs in municipalities and industries.
- Growth in demand for high-quality compost products for commercial and residential use.
- Rising interest in carbon sequestration and soil health improvement through compost application.
- Increasing focus on reducing landfill waste and greenhouse gas emissions.
- Growing recognition of compost's role in improving soil health and fertility.
- Stringent government regulations encouraging organic waste recycling.
- Expansion of green initiatives and sustainability goals in agriculture and landscaping.
- Contamination of organic waste streams affecting compost quality.
- High initial costs for advanced composting infrastructure and technology.
- Limited public awareness and education on composting benefits.
- Variability in compost quality and standards across regions.

Compost Market Segmentation

By Product Type

Yard Trimming

Food Waste

Manure

Mushroom Compost

Vermicomposting

By Application

Agriculture

Home Gardening

Landscaping

Horticulture

Construction

Other Applications

Key Companies Analysed

MyNOKE

MEC Recycling Corporation

Davo's Worm Farms

Veolia Environnement S.A.

AGRN Group Inc.

NutriSoil

Sri Gayathri Biotec

Charlie's Compost

Attero

Sepura Home Ltd.

WormUp LLC

Tadweer - Abu Dhabi Waste Management Center

Dirt Dynasty LLC

McGill Environmental Systems

Kahariam Farms

Mobius Environmental Solutions Inc.

WeCare Organics Inc.

Michigan Peat Company Inc.

CleanRobotics Inc.

Compost Crew

Wormpower

Adaptavate Inc.

Biophilica LTD

Solum Gruppen AB

Harvest Quest

Primitive Labs Inc.

UNCO Industries Inc.

Suman Vermi Compost

Jialing Agriculture and Animal Husbandry Co. Ltd.

San Luis Obispo County Worm Farm LLC

Circulus Agtech Corporation

Ouiv?lo

Compost Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Compost Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Compost market data and outlook to 2034

United States

Canada

Mexico

Europe — Compost market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Compost market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Compost market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Compost market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Compost value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Compost industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in

shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Compost Market Report

Global Compost market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Compost trade, costs, and supply chains

Compost market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Compost market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Compost market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Compost supply chain analysis

Compost trade analysis, Compost market price analysis, and Compost supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Compost market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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