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Manufactured Soil Market Forecasts to 2032 – Global Analysis By Type (Soil Mix, Manure & Compost and Other Types), Component (Sand, Vermiculite and other components), Distribution Channel, Application, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Manufactured Soil Market is accounted for 8.8 billion in 2025 and is expected to reach $14.8 billion by 2032 growing at a CAGR of 7.7% during the forecast period. Manufactured soil, also known as engineered or artificial soil, is a blend of natural and synthetic components specifically designed to meet particular soil performance requirements. It is typically composed of materials such as sand, clay, composted organic matter, peat, bark, and various mineral or industrial by-products. Manufactured soils are formulated to improve soil structure, drainage, fertility, and moisture retention, depending on the intended application. They are widely used in landscaping, agriculture, horticulture, and construction projects where native soils are inadequate.

Market Dynamics:

Driver:

Increasing Urbanization and Infrastructure Development

Increasing urbanization and infrastructure development are definitely driving the manufactured soil market by boosting demand for green spaces, landscaping, and sustainable construction practices. As cities expand, there is a growing need for engineered soils to support rooftop gardens, urban agriculture, and public parks. Infrastructure projects often require soil solutions that ensure proper drainage, nutrient

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balance, and structural stability, thereby increasing the adoption of manufactured soils. This trend supports environmental sustainability and enhances soil performance in non-native or disturbed sites.

Restraint:

High Production and Processing Costs

High production and processing costs pose a significant barrier to the growth of the manufactured soil market. These elevated costs stem from the need for advanced equipment, quality control measures, and specialized raw materials, making the final product expensive. As a result, cost-sensitive consumers and smaller agricultural enterprises may be discouraged from adopting manufactured soils, thereby limiting market penetration and slowing overall demand, especially in developing regions with tight budget constraints.

Opportunity:

Soil Degradation and Erosion

Soil degradation and erosion are significantly driving the growth of the manufactured soil market. As natural soil loses fertility and structure due to erosion, deforestation, overgrazing, and intensive farming, the demand for sustainable soil alternatives is rising. Manufactured soils offer a viable solution to restore productivity in degraded lands, supporting agriculture, landscaping, and urban green projects. Governments and environmental bodies are also promoting soil restoration initiatives, further accelerating the adoption of manufactured soils across various sectors.

Threat:

Variability in Raw Material Quality

Variability in raw material quality poses a significant challenge to the manufactured soil market by leading to inconsistencies in product performance and reliability. Fluctuations in nutrient content, pH levels, and contamination risks can affect crop yield and soil health, undermining consumer confidence. This unpredictability hampers large-scale adoption, increases testing and processing costs, and deters agricultural professionals from depending on manufactured soil for consistent and sustainable farming practices.

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Covid-19 Impact

The Covid-19 pandemic initially disrupted the manufactured soil market due to supply chain interruptions, labor shortages, and reduced construction and landscaping activities. Lockdowns and restrictions delayed infrastructure and agricultural projects, leading to a temporary dip in demand. However, the market gradually rebounded as interest in home gardening and sustainable farming practices increased, driving renewed demand for soil products. The crisis emphasized the importance of resilient and sustainable agricultural inputs.

The vermiculite segment is expected to be the largest during the forecast period

The vermiculite segment is expected to account for the largest market share during the forecast period, due to its excellent water retention, aeration, and nutrient-holding properties. Its lightweight nature and ability to improve soil structure make it highly suitable for use in landscaping, horticulture, and green infrastructure projects. As urbanization and demand for sustainable agriculture practices rise, vermiculite-enhanced manufactured soils offer an efficient solution for plant growth in controlled environments, boosting their adoption across commercial, residential, and industrial landscaping applications.

The sports fields segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the sports fields segment is predicted to witness the highest growth rate, due to increasing demand for high-quality turf and consistent soil composition to enhance athletic performance and safety. Sports facilities, including stadiums, golf courses, and recreational fields, require engineered soil blends that offer optimal drainage, aeration, and nutrient retention. As the popularity of sports and outdoor recreational activities rises globally, investments in sports infrastructure continue to grow, thereby fueling the demand for manufactured soil tailored for sports field applications.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to rapid urbanization, expanding construction activities, and increasing demand for green infrastructure. Governments are promoting sustainable landscaping and reforestation, further fueling market growth. Additionally, growing awareness

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regarding soil degradation and the need for soil quality enhancement in agricultural practices are boosting adoption. The rise in commercial gardening and residential lawn care also contributes significantly, positioning the region as a key growth hub for manufactured soils.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to growing infrastructure developments, urbanization, and the need for environmentally friendly landscaping options. Market acceptance is also being aided by the region's focus on environmentally suitable soil substitutes for residential and commercial green areas. Its popularity is further increased by rising knowledge of soil health and the application of artificial soil in sports grounds, rooftop gardens, and erosion control. North American market expansion is also favorably impacted by government assistance for green infrastructure.

Key players in the market

Some of the key players profiled in the Manufactured Soil Market include The Scotts Miracle-Gro Company, Boxley Materials Company Inc., Resource Management Inc., Boughton Loam & Turf Management Limited, Casella Organics Inc., Tim O'Hare Associates LLP, B.D. White Top Soil Company Inc., Miller Companies LC, ERTH Products L.L.C., The Ground Up LLC, Seaside Mulch Inc., Greger Topsoil, London Rock Supplies Limited, SOILCO, Jiffy International AS, FoxFarm Soil & Fertilizer Company, Peaceful Valley Farm Supply, Inc., Klasmann-Deilmann, ASB Greenworld and The Espoma Company.

Key Developments:

In February 2025, Casella Waste Systems has completed the acquisition of Save That Stuff. The deal includes Save That Stuff’s roughly 36-vehicle fleet and its 100,000 sqft Charlestown recycling facility, which also houses organics preprocessing operation leased to WM. With this move, Casella strengthens its local infrastructure, improves service efficiency, and furthers its commitment to circular and sustainable material management within the greater Boston market.

In September 2024, ScottsMiracle Gro and Google Cloud have launched a strategic collaboration to revolutionize consumer experiences in lawn and garden care using generative AI. The initiative aims to empower both associates and consumers,

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streamline decision-making, enhance in-store support, and ultimately elevate the brand’s customer engagement and competitiveness.

Types Covered:

- Soil Mix
- Manure & Compost
- Other Types

Components Covered:

- Sand
- Vermiculite
- Clay
- Perlite
- Silt
- Compost
- Peat

Distribution Channels Covered:

- Online
- Retail Stores
- Garden Centers

Applications Covered:

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- Cultivation
- Lawns
- Commercial Development
- Sports Fields
- Green Spaces
- Other Applications

End Users Covered:

- Residential
- Commercial
- Government
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK

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- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile
- Rest of South America

Middle East & Africa

- Saudi Arabia

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UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

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Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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10 GLOBAL MANUFACTURED SOIL MARKET, BY GEOGRAPHY

11 KEY DEVELOPMENTS

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12 COMPANY PROFILING

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List Of Tables

LIST OF TABLES

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Table 29 Global Manufactured Soil Market Outlook, By Other End Users (2024-2032) ($MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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