

Soil Amendments Market Size & Share Analysis - Growth Trends and Forecast (2025 - 2030)

> **Industry:** Fertilizers, Crop Nutrition & Soil Health (Agriculture & Agribusiness)
> **Source:** https://www.mordorintelligence.com/industry-reports/soil-amendments-market
> **Scraped Date:** 2026-09-17

Executive Market Summary

Market Metric	Details
Base Market Size	USD 8.60 billion
Projected Forecast (2031)	USD 8.60 billion
Growth Rate (CAGR)	9.40 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

- [Major players in Soil Amendments industry](images/chart_2.png)
- [Soil Amendments Market (2025 - 2030)](images/chart_3.png)
- [Soil Amendments Market: Market Share by Product Type](images/chart_4.png)
- [Soil Amendments Market: Market Share by Crop Type](images/chart_5.png)
- [Soil Amendments Market CAGR (%), Growth Rate by Region](images/chart_6.png)
- [Soil Amendments Market Concentration](images/chart_7.png)
- [Icon](images/chart_8.png)
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- [Mordor Intelligence on Facebook](images/chart_12.svg)
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- [Mordor Intelligence on Instagram](images/chart_15.svg)
- [ESOMAR](images/chart_17.png)
- [GPTW](images/chart_19.png)

Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview

Study Period

2020 - 2030

Market Size (2025)

USD 8.60 Billion

Market Size (2030)

USD 13.5 Billion

Growth Rate (2025 - 2030)

9.40 %

Fastest Growing Market

Asia Pacific

Largest Market

North America

Market Concentration

Medium

Major Players

*Disclaimer: Major Players sorted in no particular order

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Market Overview

Soil Amendments Market Analysis by Mordor Intelligence

The soil amendments market size is valued at USD 8.6 billion in 2025 and is forecast to reach USD 13.5 billion in 2030, advancing at a 9.4% CAGR. Rapid adoption of regenerative farming, the widening use of biochar for carbon sequestration, and rising carbon-credit prices underpin this expansion. Government incentives, such as the United States Department of Agriculture (USDA) Climate-Smart Agriculture grants and the European Union's Soil Deal for Europe, accelerate demand by linking soil health to subsidy eligibility. Corporate scope-3 carbon commitments, now embedded in supplier contracts for major food brands, further stimulate purchases of high-quality conditioners. North America holds the largest regional position due to federal biochar funding, while Asia-Pacific posts the fastest gains because of large-scale soil-restoration campaigns in China and India. Market headwinds include regulatory patchiness across jurisdictions and feedstock-cost volatility, but these are mitigated by continuous product innovation and digital agronomy platforms that prove return on investment to growers.

Key Report Takeaways

- * By product type, organic amendments led with 57% of the soil amendments market share in 2024; biochar-based amendments are projected to expand at a 12.4% CAGR through 2030.
- * By form, solid formulations accounted for 68% of the soil amendments market share in 2024, while liquids are forecast to grow at 11.2% CAGR.
- * By application, agriculture commanded a 75% share of the soil amendments market size in 2024; environmental remediation is advancing at an 11.5% CAGR.
- * By crop type, cereals and grains dominated with 46% revenue share in 2024; fruits and vegetables registered the highest projected CAGR at 10.6% to 2030.
- * By soil type, sandy soils represented 39% of the 2024 volume, and clay-soil applications are set to climb 9.8% CAGR on structural-improvement demand.
- * By geography, North America held 31% of 2024 revenue, while Asia-Pacific is forecast to record a 12.7% CAGR through 2030.

Key Market Trends

Global Soil Amendments Market Trends and Insights

Drivers Impact Analysis*

Driver
|

(~) % Impact on CAGR Forecast |

Geographic Relevance
|

Impact Timeline
|

Accelerated transition to regenerative agriculture mandates

|

+2.1%

|

North America and Europe

|

Medium term (2-4 years)

|

Rising carbon credit valuation incentivizing biochar

|

+1.8%

|

Global voluntary markets

|

Long term (≥ 4 years)

|

Soil microbiome seed coating synergies boosting demand

|

+1.2%

|

North America and Europe, spreading to the Asia-Pacific

|

Medium term (2-4 years)

|

Water scarcity driving uptake of super-absorbent polymers

|

+1.5%

|

Asia-Pacific, Middle East, Africa

|

Short term (≤ 2 years)

|

Government bans on high-salinity synthetic fertilizers

|

+0.9%

|

Europe and Asia-Pacific

|

Medium term (2-4 years)

|

Net-zero supply-chain commitments

|

+1.3%

|

Multinational corporations worldwide

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Long term (≥ 4 years)

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Source: Mordor Intelligence

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Competitive Landscape

Competitive Landscape

The soil amendments market is moderately fragmented, featuring multinational agrochemical companies, bio-based innovators, and precision agriculture startups competing through sustainable solutions and market expansion. Companies like BASF, UPL, Bayer, and FMC are expanding their portfolios with bio-based and microbial soil amendments for both conventional and organic markets. BASF introduced BAC

TIVA, a biologically active soil amendment, in 2025, while UPL expanded its regenerative agriculture division with microbial blends for soil structure restoration.

United States-based Huma Inc. acquired Gro-Power Inc. in 2024, enhancing its carbon-rich product portfolio. American Biocarbon received OMRI certification in 2025 for its sugarcane bagasse-derived biochar, responding to increased demand for organic-certified products. AMVAC Green Solutions formed a partnership with BioMe Makers in 2024 to combine microbial diagnostics with soil health products, while Key Plex collaborated with Naiad in 2025 to expand global distribution.

Living Water Agriculture launched SoilPHIX, a microbial bioreactor system integrated with irrigation, expanding across the United States. The industry is shifting toward biologically enriched, climate-focused products, particularly as soil amendments connect to carbon markets and regenerative practices. Markets in the Asia-Pacific and South America are increasing adoption to address soil degradation and support high-value crops. This growth combines traditional industry players and innovative startups advancing through technology integration, certifications (OMRI, USDA Organic), and sustainable solutions.

Soil Amendments Industry Leaders

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Yara International ASA

*

BASF SE – Agricultural Solutions

*

Nutrien Ltd

*

ICL Group

*

UPL Ltd

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*Disclaimer: Major Players sorted in no particular order

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Component Component 3 Scope Of The Report Bottom

Global Soil Amendments Market Report Scope

By Product Type

Organic Amendments

Inorganic Amendments

Biological/Microbial Amendments

Segmentation Accordion Item

By Geography

North America

United States

Canada

|

Rest of North America

|

South America

|

Brazil

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Argentina

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Rest of South America

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Europe

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Germany
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France
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United Kingdom
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Italy
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Spain
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Russia

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Rest of Europe

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Asia-Pacific

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China

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India

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Japan

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South Korea

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Australia

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Rest of Asia-Pacific

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Middle East

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Saudi Arabia

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Turkey
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Rest of Middle East
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Africa
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South Africa
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|

Kenya
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Rest of Africa

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Frequently Asked Questions

What is the current value of the soil amendments market?

The soil amendments market stands at USD 8.6 billion in 2025 and is projected to grow to USD 13.5 billion by 2030.

Which region is the largest market for soil amendments?

North America leads with 31% of 2024 revenue, underpinned by federal biochar funding and advanced precision-agronomy adoption.

Why is biochar gaining popularity in the soil amendments industry?

Biochar delivers soil-health benefits while enabling carbon-credit revenue streams, and voluntary carbon markets price verified removals at USD 190 per tonne.

What segment is growing fastest within the soil amendments market?

Biochar-based amendments are forecast to expand at a 12.4% CAGR, driven by regenerative agriculture programs and rising carbon-credit valuations.

How do super-absorbent polymers help farmers?

Hydrogel-based amendments cut irrigation needs by up to 85% in sandy soils, aiding water-stressed regions in meeting crop-yield goals.