

Soil Analysis Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Soil Analysis Market Summary

Introduction

Soil Analysis involves testing soil to assess nutrient levels, pH, and contaminants, enabling optimized crop management in agriculture, commercial landscaping, and environmental monitoring. The industry is characterized by its role in precision agriculture, driven by the need for sustainable farming and regulatory compliance. Trends include digital soil mapping, automated sampling, and AI-driven analytics, supported by demand for high-yield crops and soil health management. The market benefits from technological advancements and government initiatives promoting sustainable land use, particularly in regions with intensive agriculture.

Market Size and Growth Forecast

The global Soil Analysis market was valued at USD 530–860 million in 2024, with an estimated CAGR of 5.0%–7.0% from 2025 to 2030, driven by precision agriculture adoption.

Regional Analysis

North America grows at 4.8%–6.8%; the U.S. leads due to advanced farming, emphasizing digital soil testing.

Europe achieves 5.0%–7.0% growth; the Netherlands drives demand, focusing on

sustainable agriculture.

Asia Pacific records 5.5%–7.5% growth; India is a key market, with trends toward soil health monitoring.

Rest of the World grows at 4.5%–6.5%; Australia shows potential, prioritizing environmental compliance.

Application Analysis

Commercial expands at 4.8%–6.8%; it dominates landscaping, with trends favoring contaminant testing.

Agriculture grows at 5.2%–7.2%; it supports crop optimization, emphasizing nutrient management.

Others rise at 4.5%–6.5%; they include environmental monitoring, focusing on soil remediation.

Type Analysis

Greenhouse Saturation Testing expands at 5.0%–7.0%; it suits controlled environments, with trends favoring automation.

Routine Soil Testing grows at 5.2%–7.2%; it supports broad agricultural use, emphasizing cost-efficiency.

Other Special Tests rise at 4.8%–6.8%; they include contaminant analysis, focusing on regulatory compliance.

Key Market Players

Intertek Group, based in London, UK, is a leader in soil analysis, offering routine testing for agriculture. Its services are known for precision and regulatory adherence.

Eurofins Scientific, headquartered in Luxembourg, specializes in greenhouse saturation testing, focusing on advanced analytics for crop optimization.

SGS, from Geneva, Switzerland, provides special tests for environmental monitoring,

emphasizing soil remediation solutions.

ALS, based in Brisbane, Australia, offers scalable soil testing for commercial landscaping, known for its digital integration.

Cawood Scientific, headquartered in the UK, produces high-performance soil analysis for agriculture, focusing on sustainability.

Porter's Five Forces Analysis

The threat of new entrants is low; technical expertise and equipment costs deter entry.

The threat of substitutes is low; alternative methods cannot match soil analysis accuracy.

Buyer power is moderate; farmers demand precision, but large clients negotiate pricing.

Supplier power is low; testing materials are widely available, reducing supplier leverage.

Competitive rivalry is high; companies differentiate through automation and digital solutions.

Market Opportunities and Challenges

Opportunities

Precision agriculture drives demand for advanced soil testing.

Digital and AI-driven analytics enhance service offerings.

Emerging markets offer expansion as agriculture modernizes in Asia.

Challenges

High testing costs limit adoption in small-scale farming.

Regulatory complexity increases compliance burdens.

Lack of skilled technicians hinders advanced testing adoption.

Growth Trend Analysis

The Soil Analysis market is growing steadily, driven by precision agriculture. On October 10, 2024, Eurofins Agro Testing acquired FarmFacts, enhancing its soil sampling capabilities in Europe. On November 14, 2024, FarmQA acquired Farm Dog, expanding agronomic innovation. On December 11, 2024, Farmers Edge launched FE Soils, a DIY soil management platform. On February 3–7, 2025, FAO and Japan launched the SoilFER project in Tunisia for enhanced soil data management. On February 18, 2025, Kilwaughter Minerals introduced a Soil Health Hub for farmers. These developments align with a projected CAGR of 5.0%–7.0% through 2030.

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