

SoilCertify

Professional Soil Intelligence. Instant Answers.

Satellite-enhanced soil mapping meets USDA precision. Know your ground before you break it.

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SoilCertify, a division of Vision Associates LLC, today announced the commercial launch of its satellite-enhanced soil mapping platform, delivering professional-grade soil intelligence to landscaping professionals, homebuyers, builders, and land developers. The platform represents a paradigm shift from traditional geotechnical assessments—providing instant, location-specific soil analysis at a fraction of the cost and time of conventional methods.

Built on the same LeafEngines™ technology powering the SoilSidekick Pro Environmental Intelligence Layer, SoilCertify democratizes access to critical environmental data that was previously available only to enterprises with dedicated GIS teams and federal data agreements.

"Every landscaping project, every home purchase, every construction decision starts with one fundamental question: What's in the ground? SoilCertify answers that question in seconds, with satellite precision and USDA authority."

— Reginald Rice, CEO, Vision Associates LLC

The Hidden Cost of Soil Ignorance

According to the National Association of Home Builders, soil-related issues account for over \$15 billion in annual construction delays and remediation costs. Landscaping professionals report that 40% of plant failures trace back to soil

incompatibility—problems that could have been prevented with proper site assessment.

Traditional geotechnical studies cost \$2,000-\$10,000 and take 2-4 weeks to complete. For homebuyers evaluating properties or landscapers bidding on projects, this timeline and expense is prohibitive. The result: decisions made on guesswork, leading to failed plantings, foundation issues, drainage problems, and costly remediation.

The SoilCertify Solution: Satellite Intelligence Meets USDA Authority

SoilCertify combines three powerful data sources into a single, actionable report delivered in under 60 seconds:

Core Technology Stack:

- **LeafEngines™ Satellite Intelligence:** ESA Sentinel-2 multispectral imagery providing real-time vegetation health (NDVI), soil moisture indicators, and terrain analysis at 10-meter resolution.
- **USDA NRCS Soil Survey Data:** The official national soil database, featuring detailed soil series classifications, drainage characteristics, engineering properties, and land capability ratings.
- **ISRIC SoilGrids Global Dataset:** Machine learning-derived soil property predictions including organic carbon content, texture, and bulk density at standardized depths.
- **AI-Powered Analysis:** Proprietary algorithms synthesize multi-source data into plain-language recommendations, risk assessments, and compatibility scores.

Designed for Decision-Makers

SoilCertify serves professionals and consumers who need reliable soil intelligence without the complexity, cost, or delay of traditional methods:

- **Landscaping Professionals:** Generate soil reports for client proposals in minutes. Recommend the right plants, amendments, and irrigation strategies with data-backed confidence. Reduce callback rates and increase customer satisfaction.
- **Homebuyers:** Assess soil conditions before purchase. Understand drainage risks, foundation suitability, and landscaping potential. Make informed decisions about the biggest investment of your life.
- **Builders & Developers:** Screen sites quickly for soil suitability. Identify potential foundation issues, drainage challenges, and septic system constraints before committing to expensive geotechnical studies.
- **Foresters & Land Managers:** Evaluate timber productivity potential, assess soil erosion risks, and plan sustainable harvesting based on soil capabilities.
- **Coastal & Floodplain Managers:** Assess flood susceptibility, wetland indicators, and coastal erosion potential using integrated satellite and soil data.

Platform Features

- **Instant Address Lookup:** Enter any U.S. address and receive a comprehensive soil report in under 60 seconds.
- **AI-Generated Recommendations:** Plain-language summaries explaining what the data means for your specific use case—landscaping, construction, or agriculture.
- **Risk Analysis Engine:** Automated assessment of drainage issues, erosion potential, foundation concerns, and environmental constraints.

- **Professional PDF Reports:** Branded, client-ready documents suitable for proposals, real estate transactions, and permit applications.
- **Satellite Imagery Integration:** Visual context with current and historical vegetation health, land use patterns, and moisture conditions.

Why SoilCertify vs. Traditional Methods

SoilCertify

\$29/report

60 seconds

Any U.S. address

Traditional Geotech

\$2,000-\$10,000

2-4 weeks

Site visit required

DIY Research

Free

Hours of work

Fragmented data

Authoritative Data Sources

SoilCertify is not a substitute for site-specific geotechnical engineering studies where required by code or contract. However, for preliminary assessments, landscaping decisions, and property due diligence, SoilCertify provides unmatched value by aggregating authoritative government data sources:

- USDA Natural Resources Conservation Service (NRCS) Web Soil Survey
- European Space Agency Sentinel-2 Satellite Constellation
- ISRIC World Soil Information (SoilGrids 2.0)
- FAO Harmonized World Soil Database
- State and county environmental monitoring networks

Availability & Pricing

SoilCertify is available immediately at soilcertify.com. The platform offers flexible pricing designed for both individual users and professional teams:

- **Monthly Unlimited Reports:** \$29
- **Annual Unlimited Report:** \$290
- **Enterprise:** Custom pricing for high-volume users and API access

A free sample report is available to demonstrate the platform's capabilities before purchase.

About SoilCertify

SoilCertify is a product of Vision Associates LLC, the technology company behind the SoilSidekick Pro Environmental Intelligence Layer and LeafEngines™ Satellite Intelligence platform. The company's patent-pending technology integrates satellite imagery, federal soil databases, and artificial intelligence to deliver actionable environmental insights for agriculture, landscaping, construction, and land management applications.

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