

# 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](https://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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