BIOME MAKERS
POWERED BY BECROP

2025 IMPACT REPORT

Better Soil Starts with Better Intelligence

How Biome Makers is turning soil biology into decision-ready insights for healthier soils, stronger farms, and more credible sustainability outcomes.

Table of Contents

FOUNDER MESSAGE

A Decade of Decoding Soil Biology

Over ten years ago, we founded Biome Makers with a simple belief: **agriculture could make better decisions if it could better understand the soil.**

For generations, the industry has measured the chemical and physical properties of soil. But the living, biological layer beneath the surface remained one of agriculture's biggest blind spots. We believed that if we could make that biological layer measurable, we could help farmers, advisors, researchers, agribusinesses, and food companies understand what is driving performance, what is limiting results, and what to do next.

That belief became BeCrop.

Today, BeCrop is Biome Makers' AI-powered soil intelligence technology, built on DNA sequencing, advanced AI, and the world's largest soil microbiome database. It helps translate complex soil data into decision-ready insights that support yield improvement, input optimization, risk detection, soil health measurement, product evaluation, and sustainability reporting at scale.

In 2025, as we celebrated 10 years of Biome Makers, we also looked ahead to the next decade of impact. The challenge before agriculture is not simply to adopt more sustainable practices. It is to prove what is changing, understand why it is changing, and use that knowledge to make better decisions across every field, crop, and acre.

This report reflects that commitment.

To us, impact reporting is not about claiming perfection. It is about accountability, transparency, and measurable progress. As we enter our second decade, we remain committed to making soil intelligence more accessible, actionable, and credible for the people shaping the future of agriculture.

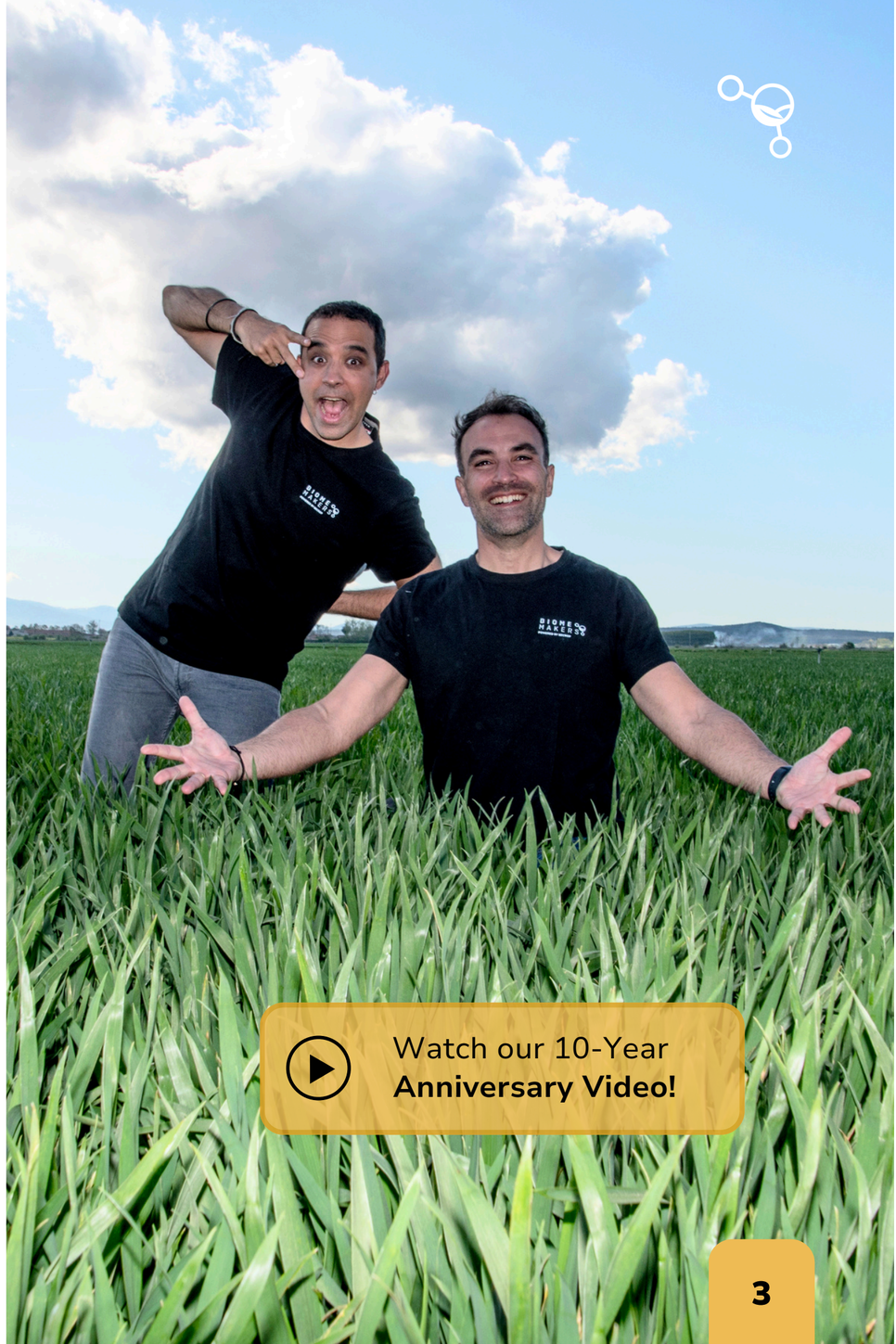
Better soil starts with better intelligence.

With gratitude,

Adrian *Alberto*

Adrian Acedo
Co-Founder & CEO

Dr Alberto Acedo
Co-Founder & CSO



Impact at a Glance

In 2025, Biome Makers continued scaling soil intelligence across environmental, agronomic, economic, and ecosystem outcomes.

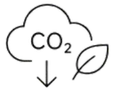
1.3M

hectares

supported with biodiversity-improving insights

Goal: 1.1M

EXCEEDED



356

tons

of greenhouse gas emissions reduction supported

Goal: 321

EXCEEDED

64

Biodiversity Score

average score

Goal: 64

ACHIEVED

$26M

profits

in farmer profitability supported

Goal: $22M

EXCEEDED

50K

farmers

farmers adopting sustainable farming practices

Goal: 42K

EXCEEDED

700

advisors

advisors certified in sustainability

Goal: 800

PROGRESS MADE

Impact reporting should show what worked, what changed, and where more progress is needed. In 2025, Biome Makers exceeded several annual impact goals while identifying continued opportunity to scale advisor certification and education. This balanced view reflects our commitment to data-backed sustainability and transparent reporting.

BeCrop in 2025

In 2025, Biome Makers launched its largest BeCrop Farm update to date, introducing new features and a streamlined experience designed to help the agriculture industry turn soil data into faster, clearer, and more practical decisions.

How BeCrop Technology Works!

From Soil → To Bio-Data → To An AI Digital Platform → To Sustainability Insights

KEY INNOVATIONS IN 2025

MULTI-CROP MANAGEMENT

BeCrop Farm now supports management and comparison of up to five crops within a single farm, better reflecting real-world operations and crop-specific decision-making.

BIODIVERSITY METRIC

Updated sustainability indicators help users better understand soil health, biodiversity, and field-level sustainability signals across maps, reports, and decision-support views.

CARBON METRIC

Carbon-related indicators support a more complete picture of soil function and climate-smart decision-making.

HIGH-RESOLUTION DISEASE MAPS

Enhanced disease risk mapping helps users identify localized hotspots with greater precision, supporting more targeted scouting and disease control decisions.

BEST-FIT SOLUTION PANEL

A unified decision-support view brings together product recommendations, agronomic insights, and sustainability metrics to help users identify the best-fit products or practices for each field.

TABULAR VIEW AND API IMPROVEMENTS

Improved data visualization, export, and API capabilities help users manage large datasets, streamline workflows, and integrate BeCrop insights into broader digital agriculture systems.

Current Challenges in Agriculture

The global agriculture system is under pressure from climate variability, soil degradation, rising input costs, pest and disease risk, supply chain demands, and increasing expectations for credible sustainability reporting.
At the same time, farmers, advisors, retailers, manufacturers, and food companies are being asked to make better decisions with more complexity and less room for error.

KEY CHALLENGES

CLIMATE VARIABILITY & RESILIENCE

Climate change could reduce yields for key staple crops including maize, soy, wheat, rice, cassava, and sorghum, even when farmers adapt. A 2025 study found these losses could equal up to 120 calories per person per day for each 1°C increase in global temperatures.

SOIL DEGRADATION & BIODIVERSITY LOSS

The United Nations estimates that up to 40% of soils worldwide are moderately or severely degraded, threatening soil fertility, crop productivity, biodiversity, and long-term food security.

RISING INPUT COSTS & EFFICIENCY PRESSURE

USDA Economic Research Service forecasts U.S. farm production expenses at $477.7 billion in 2026, up $4.6 billion from 2025 in nominal terms, while total farm cash receipts are forecast to decline by $14.2 billion from 2025.

PEST & DISEASE RISK

Pests and diseases are estimated to cause 20% to 40% of global crop production losses each year, with plant diseases costing the global economy more than $220 billion and invasive insects at least $70 billion annually.

SUPPLY CHAIN TRANSPARENCY & REPORTING

Sustainability reporting and due diligence expectations are increasing the need for credible value-chain data. The EU Corporate Sustainability Due Diligence Directive requires larger companies to assess and address human rights and environmental impacts across their operations and value chains.

THE MEASUREMENT GAP

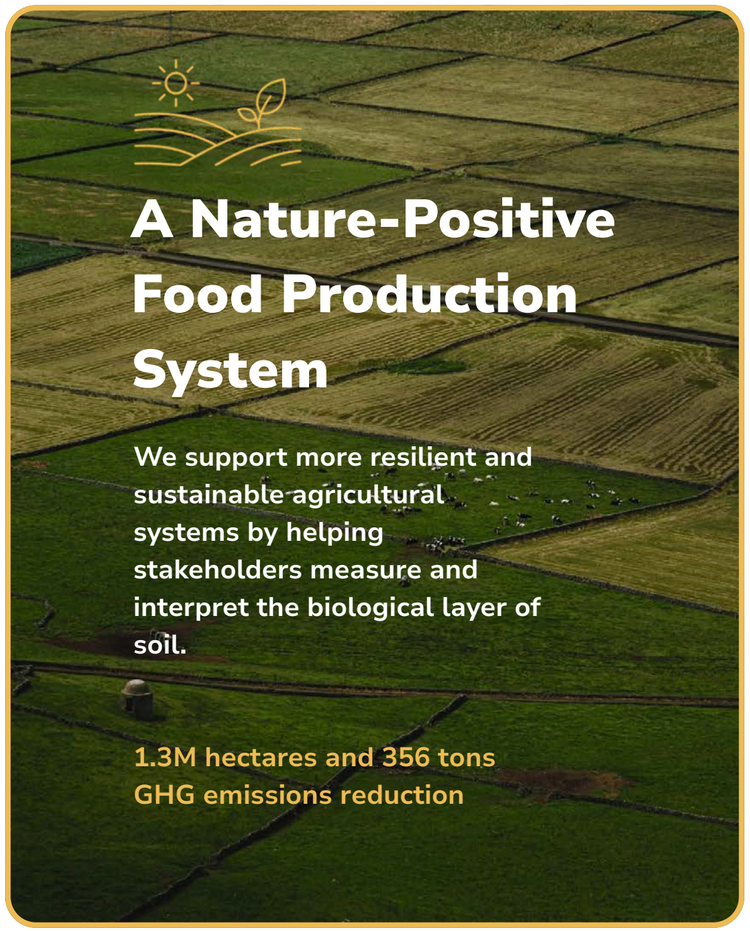
This is where soil intelligence is most relevant. By making the biological layer of soil more measurable, comparable, and actionable, Biome Makers helps stakeholders move from activity-based reporting toward field-level evidence of soil function, risk, and progress.

Science & Policy Spotlight: Strengthening Global Action on Soil Biodiversity

In 2025, Dr. J. Jacob Parnell, Director of Agronomy at Biome Makers, contributed to an open letter published in Plants, People, Planet calling for stronger national action on soil biodiversity. The letter urges governments, agencies, scientists, and biodiversity actors to better include soil biodiversity in national biodiversity strategies, monitoring frameworks, and ecosystem restoration targets. This reinforces a core belief: **soil biodiversity cannot be protected, restored, or improved if it remains invisible.** Better soil starts with better intelligence, and global progress depends on making the biological layer of soil more measurable, comparable, and actionable.

Our Three Pillars of Impact

Biome Makers measures impact across three connected pillars.



A Nature-Positive Food Production System

We support more resilient and sustainable agricultural systems by helping stakeholders measure and interpret the biological layer of soil.

1.3M hectares and 356 tons GHG emissions reduction

Fair Socio-Economic Conditions for Farmers

We help farmers and advisors use soil intelligence to support practical, profitable, and sustainable decisions.

$26M farmer profitability and 50K farmers

Empowering the Ecosystem

We scale impact through a global ecosystem of BeCrop Advisors, Partner Labs, Partner Organizations, researchers, agribusinesses, digital agriculture platforms, and food system stakeholders.

700 advisors certified and 3 new lab partners

PILLAR 1

A Nature-Positive Food Production System

In 2025, Biome Makers continued scaling soil intelligence across environmental, agronomic, economic, and ecosystem outcomes.

2025 Progress

In 2025, Biome Makers supported 1.3M hectares with biodiversity-improving insights, exceeding the annual goal of 1.1M hectares. Greenhouse gas emissions reduction reached 356 tons, exceeding the annual goal of 321 tons.

Why it Matters

Nature-positive agriculture depends on understanding the living systems that support crop production. Soil biology influences nutrient cycling, biodiversity, stress response, disease dynamics, soil structure, and long-term resilience.

How BeCrop Contributes

BeCrop provides field-level soil intelligence that helps stakeholders understand where soil health may be improving, where risks may be emerging, and where management practices or products can be better targeted.

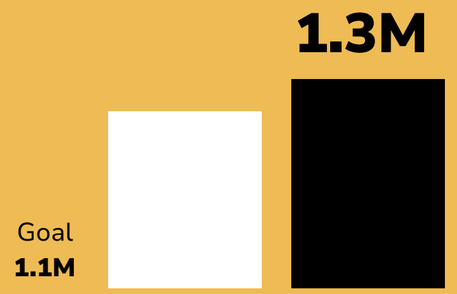
2026 Focus

Continue expanding access to field-level soil intelligence and improving the usability of biodiversity, resilience, and soil health indicators for decision-making.

2025 KPIs

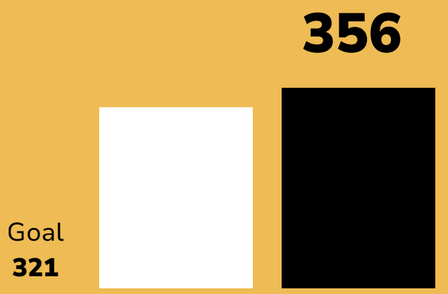
1.3M

hectares supported with biodiversity-improving insights



356

tons greenhouse gas emission reduction supported



PILLAR 2

Fair Socio-Economic Conditions for Farmers

Biome Makers helps farmers and advisors use soil intelligence to support practical, profitable, and sustainable decisions.

2025 Progress

In 2025, Biome Makers supported $26M in farmer profitability, exceeding the annual goal of $22M. Biome Makers also supported 50K farmers adopting sustainable farming practices, exceeding the annual goal of 42K.

Why it Matters

Sustainability has to work for farmers. Better soil health decisions must also support productivity, resilience, input efficiency, and farm economics.

How BeCrop Contributes

BeCrop helps growers and advisors understand field variability, identify yield-limiting factors, detect disease risk, guide input decisions, compare fields, and evaluate the impact of products and practices over time.

2026 Focus

Continue helping growers and advisors make more confident decisions across every field, crop, and acre.

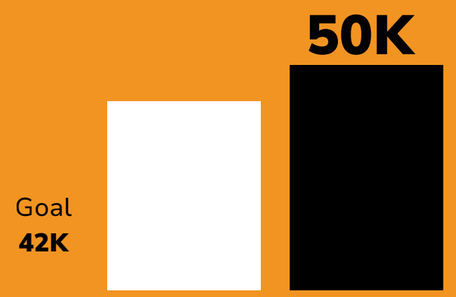
2025 KPIs

$26M

farmer profitability supported

50K

farmers adopting sustainable practices



PILLAR 3

Empowering the Ecosystem

We turn individual soil data into shared soil intelligence, enabling advisors, labs, partners, and food system leaders to benchmark progress, interpret soil biology, and scale more credible sustainability action.

2025 Progress

In 2025, Biome Makers continued expanding the ecosystem that makes soil intelligence accessible and actionable across agriculture.

Why it Matters

Technology alone does not create impact. Soil intelligence becomes valuable when people can access it, understand it, and apply it in real agronomic and sustainability workflows.

By expanding its advisor network and strengthening its benchmarking capabilities, Biome Makers helps the agriculture ecosystem move from isolated field data to shared, comparable, and decision-ready soil intelligence.

How BeCrop Contributes

BeCrop turns individual soil biology data into shared, comparable intelligence that advisors, labs, and partners can use to interpret results, benchmark soil health, and support sustainability decisions across fields, crops, and regions.

Through BeCrop Advisors, Partner Labs, and the Biodiversity / BC Rate benchmark, Biome Makers helps scale soil intelligence beyond individual tests and into practical workflows for agronomy, product validation, sustainability programs, and ecosystem-wide progress tracking.

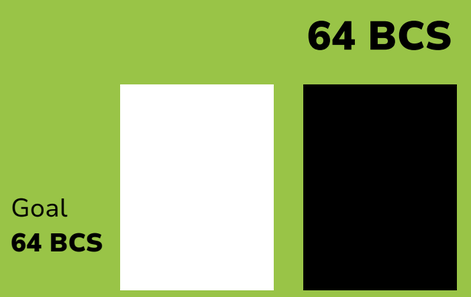
2026 Focus

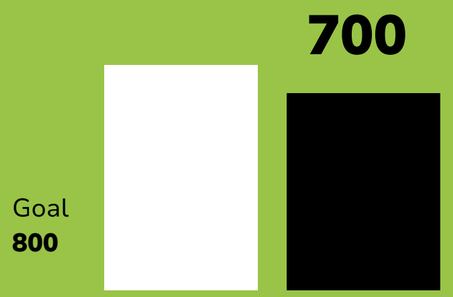
Continue expanding the advisor community, strengthening Partner Lab access, and making soil intelligence easier to use across the agriculture ecosystem.

2025 KPIs

64
farm sustainability metric

700
advisors certified

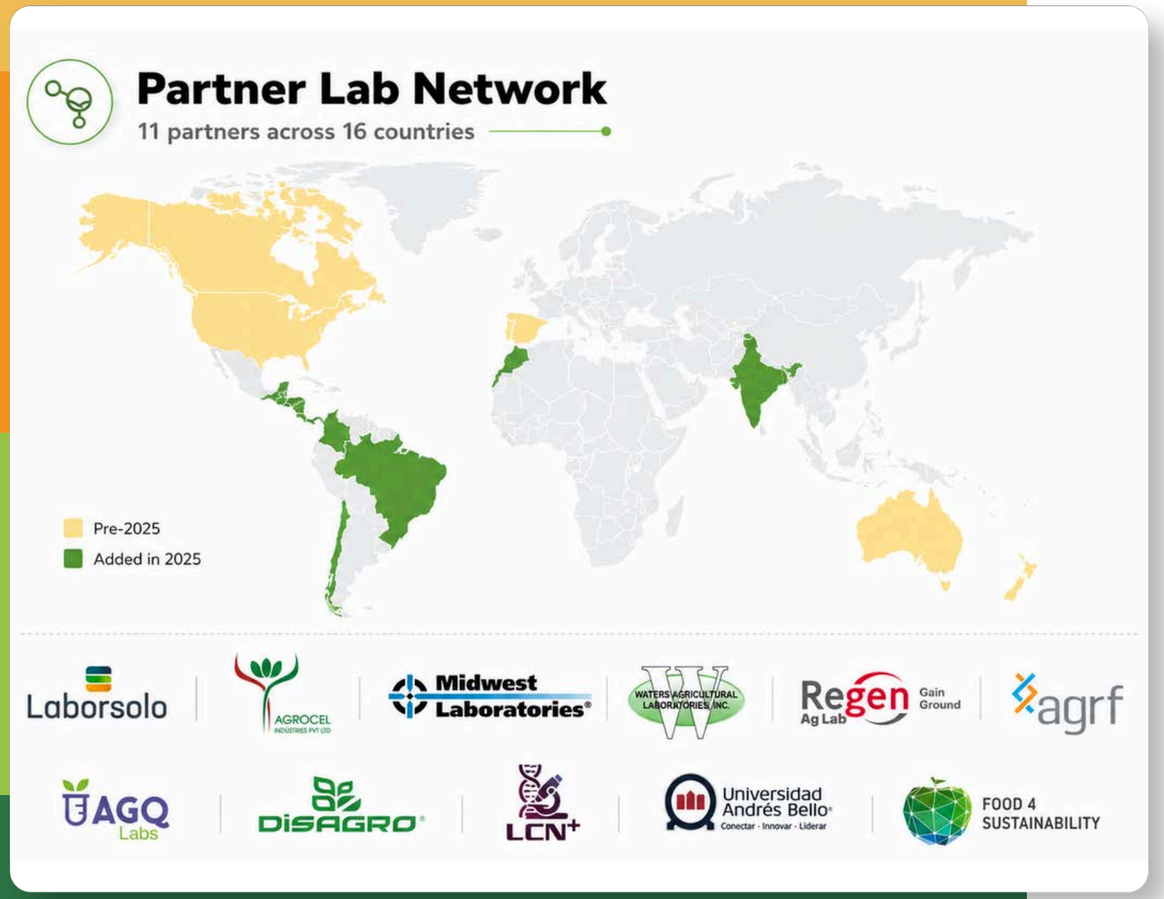




Scaling Soil Intelligence Through the Ecosystem

Biome Makers' impact is powered by BeCrop technology and scaled through a growing ecosystem of advisors, partner labs, partner organizations, and digital agriculture platforms. Together, this ecosystem helps establish BeCrop as a consistent analytical framework for making soil intelligence more accessible, interpretable, and actionable.

In 2025, Biome Makers expanded this ecosystem through new partnerships, a broader BeCrop Partner Lab footprint, and continued external recognition for its innovation and impact.



Map shows Partner Lab locations only. BeCrop operates more broadly through advisors, partner organizations, and direct customer deployments.

2025 HIGHLIGHTS

Partner Lab Expansion
Biome Makers expanded its Partner Lab network with six new partners in 2025: Midwest Labs, Laborsolo, Disagro, Agrocel, Charles Nicolle, and UNAB. These additions expanded the network to 11 partners across 16 countries, increasing access to BeCrop technology through trusted regional laboratories.

Global Soil Leadership and Networks
Biome Makers contributed to global soil science, policy, and laboratory harmonization through participation in networks including IUSS, EU Mission Soil Health, GLOSOLAN, and global soil biodiversity initiatives. These efforts support a shared foundation for making soil health more measurable, comparable, and actionable.

AgList
Biome Makers announced a strategic partnership with AgList to help elevate trust in agricultural biologicals through more transparent, science-based product testing and validation.

TIME and Statista GreenTech Recognition
Biome Makers was recognized on TIME and Statista's World's Top GreenTech Companies 2025 and America's Top GreenTech Companies 2025 lists, reinforcing the company's role in sustainable agriculture, environmental innovation, and data-backed soil intelligence. TIME and Statista's GreenTech rankings evaluate companies based on positive environmental impact, financial strength, and innovation, with more than 8,000 companies assessed for the 2025 rankings.

THE GLOBAL GOALS

Biome Makers' impact framework aligns with the United Nations Sustainable Development Goals because soil health sits at the foundation of food security, climate resilience, responsible production, sustainable land management, education, equality, and partnerships.

BeCrop supports resilient agricultural systems by helping stakeholders understand biological indicators connected to soil health, biodiversity, crop resilience, disease risk, and yield potential.

1.3M

hectares supported with biodiversity-improving insights

50K

farmers adopting sustainable farming practices

Soil intelligence is only useful when people can interpret it and act on it. Through the BeCrop Advisor community and educational resources, Biome Makers helps agronomists, crop advisors, labs, and partners build the knowledge needed to understand soil biology and apply it in the field.

700

advisors certified in sustainability

BeCrop supports more responsible production by helping stakeholders evaluate products and practices, understand field variability, optimize inputs, and make more precise recommendations around fertility, biologicals, crop protection, and soil health.

$26M

in farmer profitability supported

BC Rate score of

64

Climate-smart agriculture depends on better data. BeCrop supports climate-related decision-making by helping stakeholders understand soil function, carbon-related indicators, biodiversity, resilience, and management impacts.

356

tons of greenhouse gas emissions reduction supported

Soils are living ecosystems that support biodiversity, food production, carbon storage, nutrient cycling, and climate resilience. Biome Makers helps make belowground biodiversity more visible and measurable through biological soil analysis and soil intelligence.

55 Million

building the largest living microbial database

BC Rate score of

64

Biome Makers' impact is scaled through partnership. BeCrop Advisors, Partner Labs, Partner Organizations, researchers, digital agriculture integrations, and industry collaborations help expand access to soil intelligence and support more coordinated action across the agriculture ecosystem.

1500

global partnerships with labs, academic institutions, and agribusinesses

Looking Ahead: 2026 Goals

In 2026, Biome Makers will continue scaling soil intelligence through technology, partnerships, education, and access. The next chapter of sustainable agriculture will depend on better intelligence, stronger collaboration, and more credible ways to measure progress.

1.5M

hectares

supported with biodiversity-improving insights

15% INCREASE

600

tons

of greenhouse gas emissions reduction supported

68% INCREASE

65

Biodiversity Score

average score

+1 BCS

$30M

profits

in farmer profitability supported

15% INCREASE

100K

farmers

farmers adopting sustainable farming practices

100% INCREASE

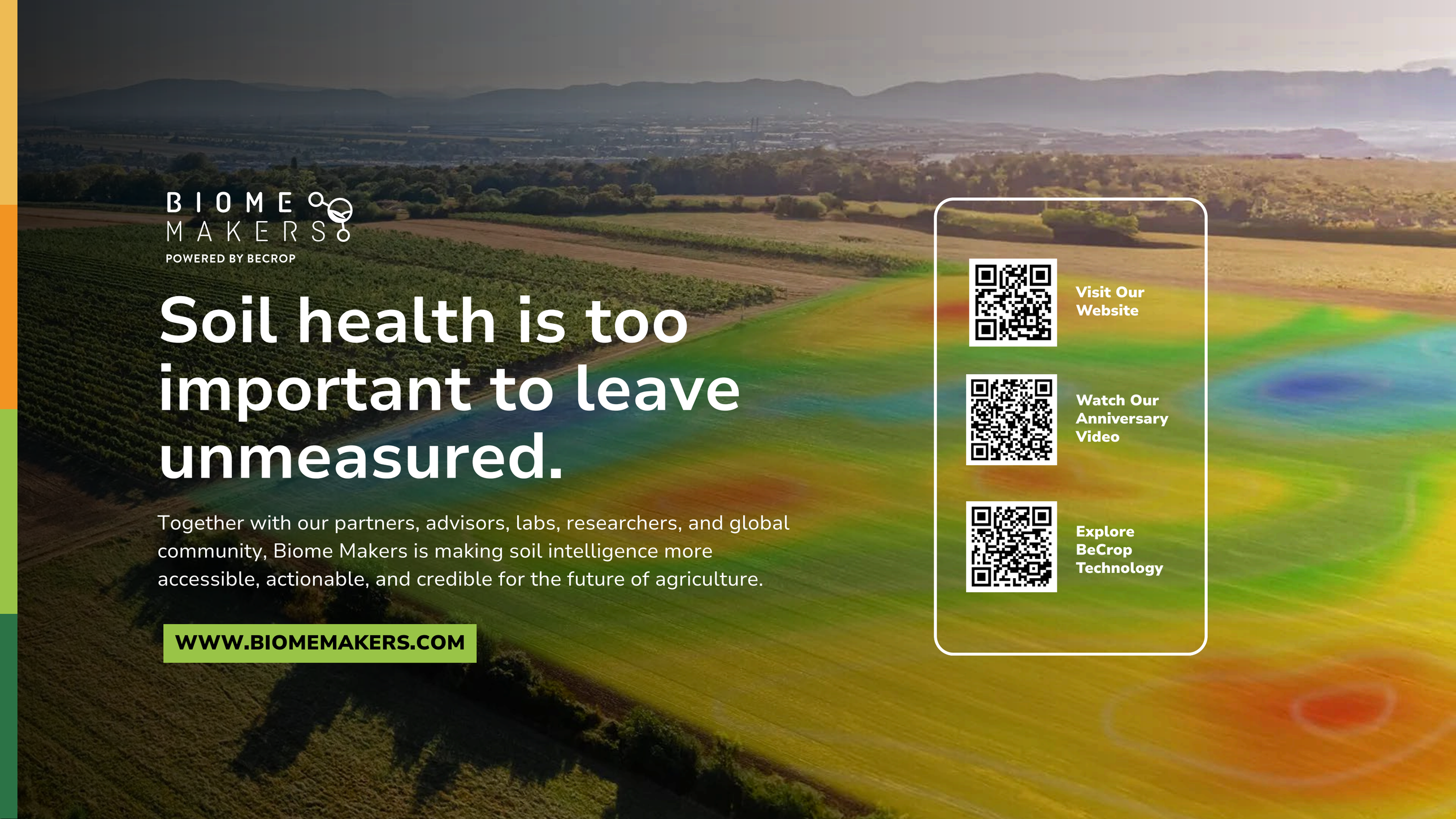
1000

advisors

advisors certified in sustainability

42% INCREASE

If regenerative agriculture is going to mean something, it has to be measured. Many sustainability programs still rely on practice-based or checklist-based reporting. These approaches can show what activities were adopted, but they do not always show what is changing in the soil. Our commitment is simple: **soil health should not be treated as a vague claim. It should be measured, monitored, and translated into action.**


BIOME MAKERS
POWERED BY BECROP
Soil health is too important to leave unmeasured.
Together with our partners, advisors, labs, researchers, and global community, Biome Makers is making soil intelligence more accessible, actionable, and credible for the future of agriculture.
WWW.BIOMEMAKERS.COM
Visit Our Website
Watch Our Anniversary Video
Explore BeCrop Technology