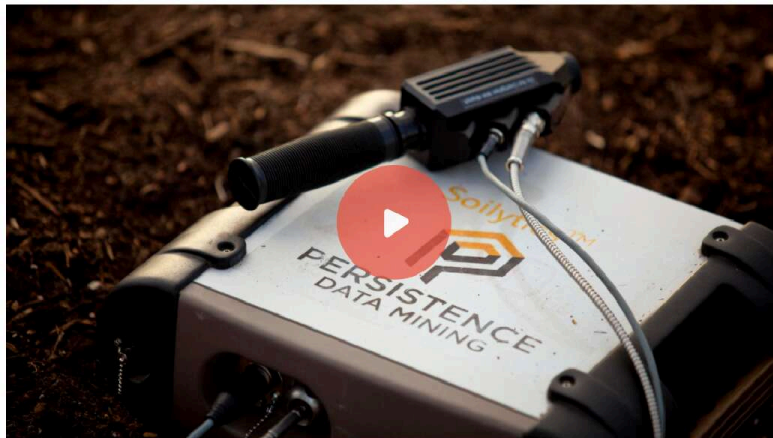


Real-Time Soil Health Analysis: Using Cutting Edge Tech to Increase Farm Sustainability

[PITCH VIDEO](#) [INVESTOR PANEL](#)



persistence-data.com San Diego CA [Twitter](#) [Facebook](#)

[Food](#) [Infrastructure](#) [Technology](#) [B2C](#) [Sustainability](#)

LEAD INVESTOR



Rosanne Apodaca

As a Native American, I am passionate about preventing climate change and protecting our environment. The opportunity that I have with Persistence Data Mining, Inc. offers a significant return on investment and I believe will help to improve much needed soil health thus resulting in healthier food and a healthier Planet. Brian Zamudio has built a great Team, and I know personally that he has the Leadership qualities to establish PDMI to be the standard in soil and plant testing. He has spent many years researching the very best way possible to make soil testing easy, accurate, faster, and precise- and is developing the technology to make this happen.

Invested \$5,000 this round

[Learn about Lead Investors](#)

[OVERVIEW](#) [DETAILS](#) [UPDATES 7](#) [WHAT PEOPLE SAY 15](#) [ASK A QUESTION 3](#)

Highlights

- 1 Our innovative soil health solution increases crop yields by 13% and reduces costs by 15%.
- 2 Cutting edge technology improves accuracy, precision, cost, and speed of soil testing.
- 3 Partnered with John Deere, Mahindra, USDA and the UN.
- 4 Positioned for success in the recession/pandemic proof \$2.4T agricultural market.
- 5 Already producing revenue with a clear path to profitability.
- 6 Healthy soil absorbs more fossil fuel emissions.
- 7 Sustainable tech healing the environment by reducing the introduction of chemicals.
- 8 Soilytics™ puts real-time data in our customers' hands.

Our Team



Brian Zamudio CEO

Serial entrepreneur with extensive tech development and fundraising experience. Brian created Persistence Data Mining when he recognized technology could be applied in agriculture to improve soil health and help farmers profitability.



Penelope Nagel President

9th generation farmer with a passion for sustainable farming and experience working for global financial institutions such as HSBC and Santander.



Henry Bonner Director, CFO

Management and Investing experience with corporations like GE Capital and MetLife.

[SEE MORE](#)

Pitch



**We're Helping Farmers
Increase Sustainable Practices
to Restore Our Climate**

Persistence Data Mining's cutting-edge technology provides a more accurate, automated, and cost-efficient soil testing solution that helps growers increase crop yields, reduce fertilizer and input costs, and improve soil fertility - resulting in more nutritious food and sustainable planet.

An investment in PDMI is an investment in the future of farming, people, and the planet.



*We must adopt practices involving **sustainable use** of our natural resources, allowing farmers to **grow more with less.***

~ Dr. Yousuf Zafar



**Healthy soil = healthy food
= healthy planet**

**We help soil stay healthy &
farmers optimize profitability
with fast analysis**

**No more time-consuming
chemical lab analysis. Our
results are uploaded to the
cloud in minutes.**



**Soil Degradation is a
Growing Problem - Soilytics™
is the Solution**

THE PROBLEM




Conventional soil analysis systems are slow, expensive, and produce inaccurate results, leading to the mismanagement of already degrading soils.



- Poor Soil Fertility
- Less Nutritious Foods
- Environment Contamination
- Over Fertilization & High Input Costs
- Decreased Crop Yields

Soilytics™ Solution
Accurate, Automated, and Cost-efficient soil health testing



- Scan Soil On-Site Using High Resolution Hyperspectral Sensors
- Upload Images to Cloud for Processing w/ Proprietary Algorithms
- Quickly Access Data for Precision Agriculture Practices

Increased Crop Yields

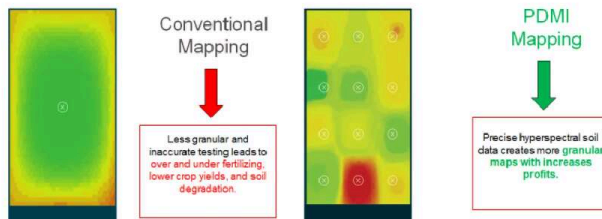
Lower Fertilizer & Input Costs

Enhanced Soil Fertility

Healthy Soil = Healthy Food = Healthy Planet

Our proprietary Soilytics™ solution gives farmers real-time, automated, and accurate results, producing healthier soils that absorb CO2 from the atmosphere—at a lower cost to farmers.

PRECISION MAPPING IMPROVES PROFITABILITY





Our Development Partners Include

John Deere, the USDA, and the UN

We've partnered with some of the biggest names in agriculture, and we're connected with huge networks of farmers. This has granted us validation in the field, on the farm, and in the growing \$2.4T agriculture market; and is enabling us to quickly make Soilytics™ invaluable in all areas of precision agriculture.

DEVELOPMENT PARTNERS



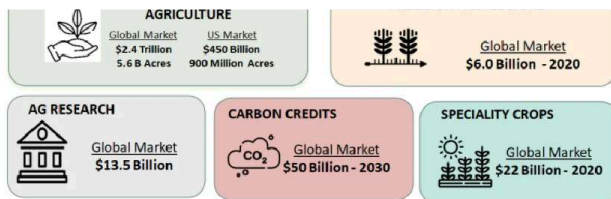


Timely Innovation in the \$2.4T Global Agriculture Market

Due to the mounting pressure on our food supply systems, and the increased use of modern technology on farms, the precision agriculture sector is at the forefront of recent, exponential growth. Our technology is needed NOW in the stable, recession-proof \$2.4 trillion global agriculture market.

TARGET MARKETS



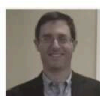


Sources: FAO, World Bank, American Economic Association, Grand View Research, McKinsey, Global Newswire



Our board members have the experience, innovation, and drive to help us scale quickly and efficiently to become a market leader in Smart Agriculture.

ADVISORY BOARD



Walt Duffock
VC Western Growers

VP of Innovation at Western Growers focused on accelerating commercialization and helping AgTech startups scale



Mark Rosen
Chemist

Extensive background in contract research organizations (CROs) Comprehensive network of academic, industrial, and key opinion leader contacts.



Ruzanna Sataryan
Social Change Advocate at UNDP

UN Development Program – Impact Investor, 15 years leading UNDP's Investment Initiative

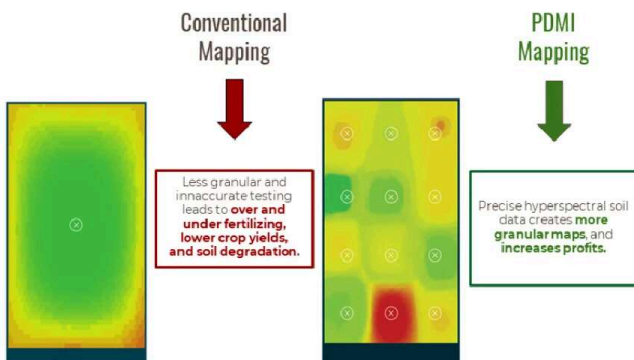


Amy Wu – Advocate

Amy Wu is communications manager at the Hudson Valley Farm Hub where she is charged with all aspects of communication including the newsletter, website and social media



PRECISION MAPPING IMPROVES PROFITABILITY



Our soil mapping technology offers a fundamental advancement in precision agriculture. Done in real-time, in the field and available on Cloud the same day, Soilytics™ helps farmers optimize the use of seed, fertilizer, water and power. Instead of losing money, farmers make a profit and heal the environment.



Our technology is already being used by equipment manufacturers, soil labs, universities and public agencies. And with a total addressable market of 916

millions and profit agencies that with a total addressable market of 7.4 billion acres in the US, and ultimately 7.86 billion acres worldwide, we're confident Soilytics™ is on track to become a household name in agriculture.

One Customer Who Produced Alfalfa In Montana Saw:

- ✓ **40% Crop Yield Improvements**
- ✓ **Lab Cost Savings Of Over 80%**
- ✓ **\$50k Savings With Improved Fertilization Efficiencies**

BUSINESS MODEL

Primary Revenues

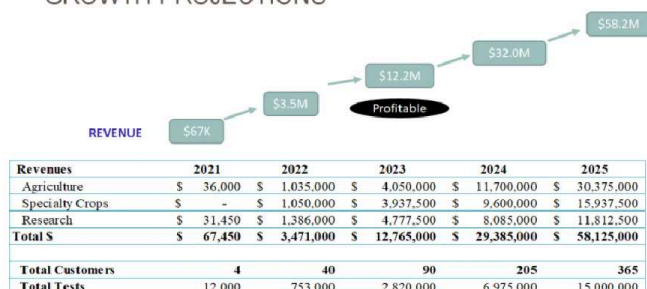
- *Soil Testing: \$3-\$5 per sample*
- *Research Testing \$7-10 per sample*

Other Potential Revenues

- *Software - Integrate our data into precision agriculture applications*
- *Data Usage - Supply data for improved farming processes*
- *Carbon Credits - Provide carbon nutrient testing services both buyers and sellers*

We're already seeing proof of our potential for massive growth in the agriculture market, and our future role in dominating the soil mapping niche. By 2024, we're projecting \$58,000,000+ in revenues via our strategic channels.

GROWTH PROJECTIONS



FINANCIAL PROJECTIONS

Income Statement (\$000)	2021	2022	2023	2024	2025
Revenue	\$67	\$3,471	\$12,765	\$29,385	\$58,125
Cost of Sales	\$39	\$1,090	\$2,941	\$5,686	\$8,427
Gross Profit	\$28	\$2,381	\$9,824	\$23,699	\$49,698
Gross Margin %	42%	69%	77%	81%	86%
OpEx					
Personnel	\$538	\$3,062	\$7,682	\$11,548	\$15,991
G&A	\$78	\$535	\$1,047	\$1,800	\$2,764
Sales & Marketing	\$24	\$192	\$384	\$1,248	\$2,052
Total OpEx	\$641	\$3,788	\$9,113	\$14,597	\$20,806
EBITDA	-\$612	-\$1,408	\$711	\$9,102	\$28,892
EBITDA %			6%	31%	50%
Dep/Int/Tax	\$1	\$71	\$227	-\$1,944	-\$8,619
NET INCOME	-\$611	-\$1,337	\$938	\$7,158	\$20,272
Operational CF	-\$611	-\$1,886	\$38	\$7,899	\$28,132



What's Next?

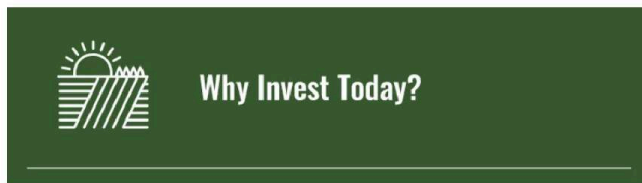
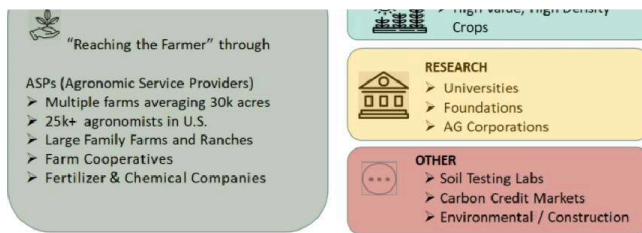
We've got big plans for Soilytics™ to help farmers across the planet heal our soils, curb the climate crisis, and feed our growing populations—and make a good living doing it. The United Nations Development Program works with us because of our impact on 5 sustainable development goals (SDG's). We're working with a wide range of institutions to test and deploy our services, which we predict will become invaluable to the industry very soon.

TARGET CUSTOMERS

TRADITIONAL AGRICULTURE

SPECIALTY CROPS

High Value, High Density



We're on the verge of a revolution towards sustainability and equity in agriculture, and Persistence Data Mining will be at the center of this revolution...Will you?

Join us and together we can restore healthy soils, healthy food, and a healthy planet for all.

