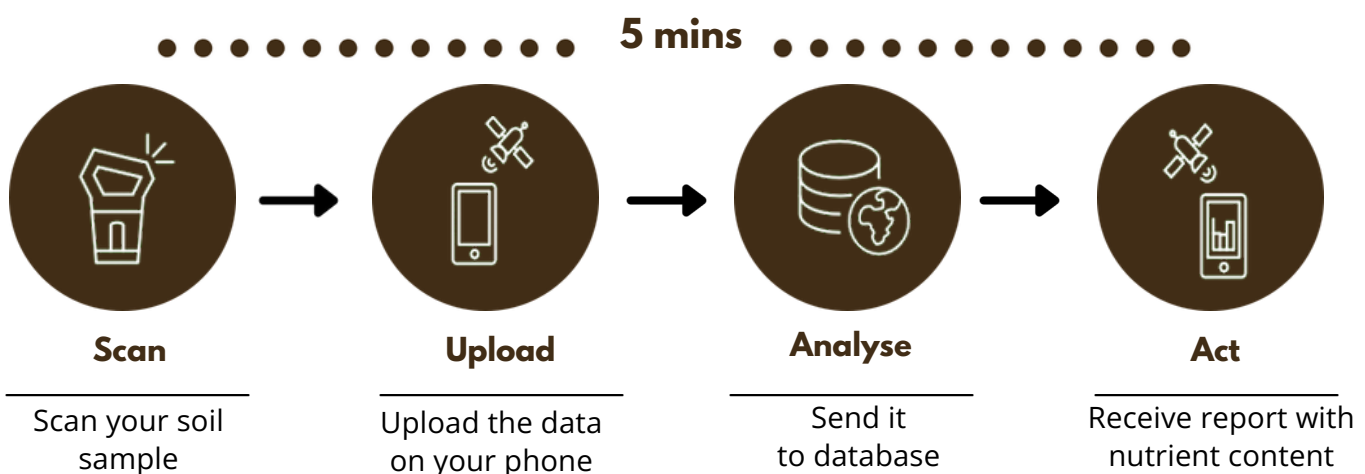


SoilCares, Monitor Soil Health

What is SoilCares?

Imagine monitoring the nutrients in soil, in real-time whenever and wherever you want and receive immediately practical recommendations on your smartphone. Have access to your data 24/7 via AgroCares online Digital Platform with multiple data layers and widgets. Export and import your farm management data easily and make fact-based decisions.

How Does it Work?



- Instantly check soil quality before acquiring new land.
- Assess land suitability for specific crops.
- Monitor soil fertility changes throughout the seasons.
- Help farmers determine the right fertilizers for sustainable use.
- Improve soil health and increase crop yields.
- Detect problems in the field, such as nutrient leaching or inefficient fertilizer application.



SoilCares
By AgroCares



What Can SoilCares Provide?

SoilCares provides rapid and reliable measurement of soil fertility, analyzing the soil from different perspectives: physical, chemical and carbon dynamics. This greatly improves productivity while minimizing unnecessary financial and environmental losses.

SoilCares Licenses Portfolio

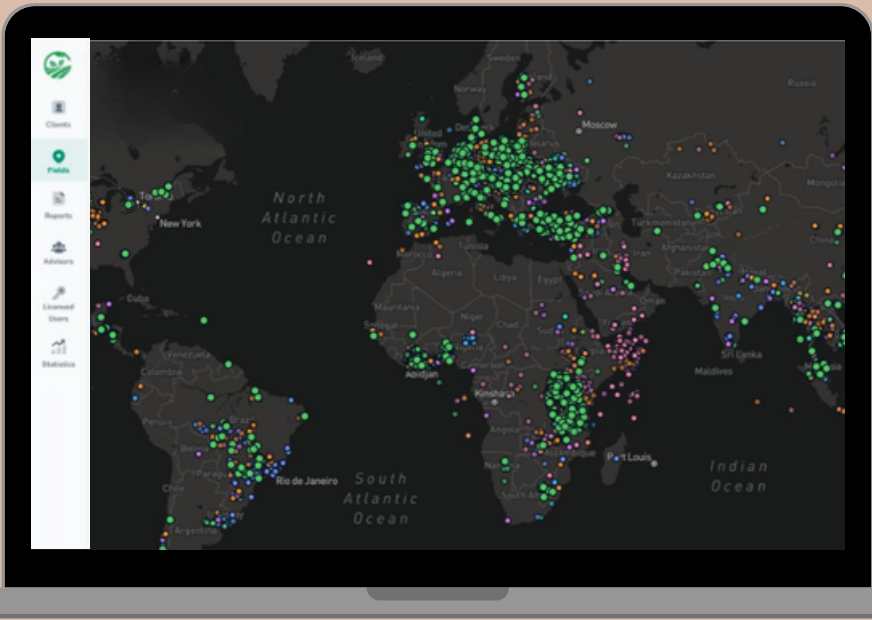
	Starter Package	Bronze	Silver	Silver Private Label	Gold Private Label
Calibration needed			x	x	x
Basic calibration package	x				
Applicable from nr. of licenses	1	1	1	5	10
Scanner F series included	x				
Data Only	x	x	x	x	x
Parameters (Physical, Chemical Fertility & Carbon Dynamics)	N -Total P -Total K -Total pH (water) Organic Matter % Eff. CEC Clay % Moisture% Soil Density*	N -Total P -Total K -Total pH (water) Organic Matter % Eff. CEC Clay % Moisture% Soil Density*	N -Total P (M3) K - Exch. pH (water) Organic Matter % Eff. CEC Clay % Moisture% Ca - Exch. Mg - Exch. Al - Total Fe - Total PMN Soil Density*	N -Total P (M3) K - Exch. pH (water) Organic Matter % Eff. CEC Clay % Moisture% Ca - Exch. Mg - Exch. Al - Total Fe - Total PMN Soil Density*	All Parameters in Silver. Plus: PMN P - Olsen / Bray K / Ca / Mg - Exch. %K / Ca / Mg of CEC Ration
Crop Nutrient Needs	x	x	x	x	x
Fertilizer Recommendation			x	x	x
App Customization			x	x	x
Retail price per year	€ 8,645.00	€ 1,950.00	€ 2,400.00	€ 2,600.00	€ 2,950.00

* Only available for F-Series scanner

Turning Soil Data Into Agronomic Intelligence

SoilCares uncovers the hidden dynamics of soil, revealing the chemical and physical factors that shape crop performance. It detects subtle limitations such as nutrient lock-up, cation imbalances, or low organic matter before they affect growth.

Strategic Fertilizer Blend Map



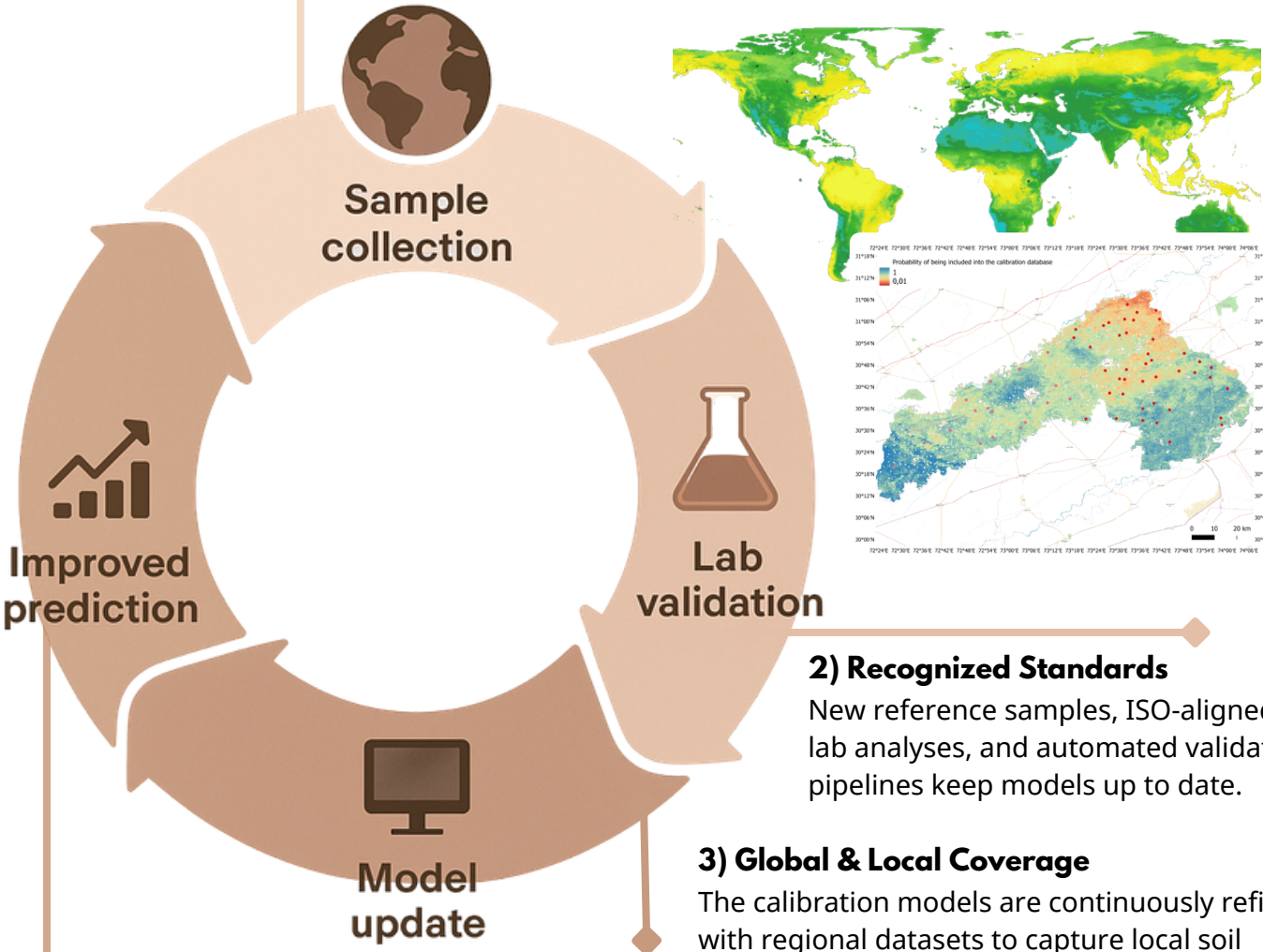
With more than 2 million soil scans done worldwide, AgroCares enables farmer and decision makers to improve their yields.

Calibration: The Foundation of SoilCares Accuracy

Every soil is unique: shaped by its parent material, climate, management, and organic activity. To capture this complexity, the SoilCares calibration process transforms raw spectral data into reliable, agronomically valid nutrient information.

1) How Calibration Works

SoilCares calibration links NIR spectra to ISO laboratory reference data using chemometric models. Each prediction is based on thousands of spectral data points, delivering rapid soil nutrient analysis.



2) Recognized Standards

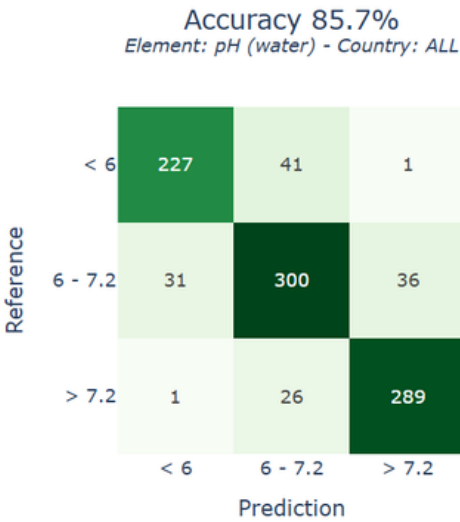
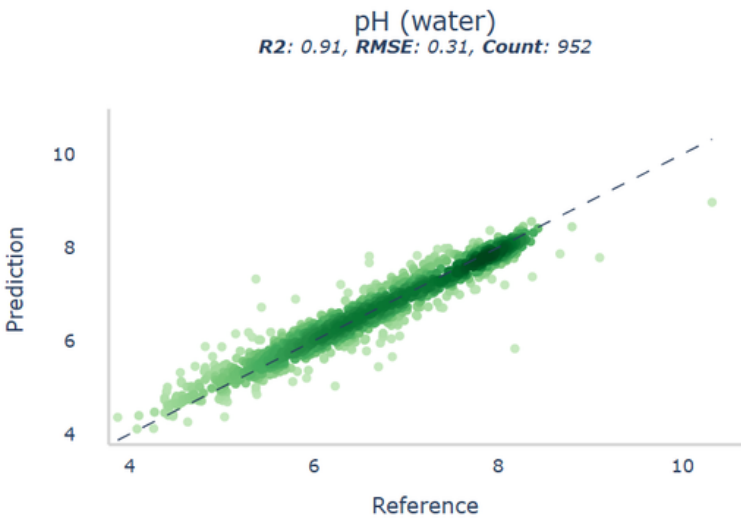
New reference samples, ISO-aligned lab analyses, and automated validation pipelines keep models up to date.

3) Global & Local Coverage

The calibration models are continuously refined with regional datasets to capture local soil variability and ensure consistent accuracy worldwide.

4) Continuous Improvement

Each update receives client feedback and is field-verified to maintain reliability and minimize deviation.



SoilCares Opportunities

AgroCares way of collecting nutrient data, in combination with recommendations opens a world of possibilities. Optimize the use-efficiency of resources, unlock field-based data collection, improve climate resilience and monitor your regenerative agriculture KPI's.

SoilCares Report

AgroCares modular reports offer tailored made solutions to ensure optimal communication between all soil health stakeholders.

SoilCares Report - Gold



Contact Details

Address:

Agro
Road XYZ, 26, 2512XB
Denmark

Phone number

+0021624525

Location

56.621164, 11.079239

User:

Rafal Kadziela (664025551)

General information:

Sample Number:

1564639

Date:

25-06-07

Crop:

Wheat

Target Yield:

800 kg

Field Size:

1.01 ha

Field Name:

Roskilde

Soil Fertility Status

Physical Soil: Ph

Parameter	Unit	Result	Adequate Range	Classification
pH (H2O)	-	8.1	6-7.2	
pH (KCl)	-	6.2	5.5 - 6.8	

Physical Soil: Texture and Composition

	%			
Clay	30	20 - 40		
Silt	20	10 - 40		
Sand	50	20 - 60		
Organic Matter	5.6	3.0 - 5.5		

Density

Bulk Density	g/cm3	1.3	1.0 - 5.5	
Your soil is X, characterized by Y. To ensure fertility, it is recommended to Z.				

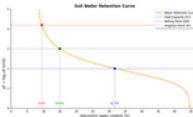
Water Dynamics

	% Vol.			
Soil Moisture	16	10 - 30		
Field Capacity	33	30 - 40		
Wilting Point	9	8 - 12		
Irrigation Point	15	14 - 20		
EC**	mS/cm	44 / High	0 - 50	

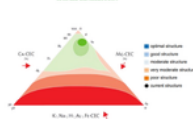
Cation Exchange Complex

	%			
Ca-CEC	85.5	70 - 85		
Mg-CEC	12	11 - 18		
K-CEC	2.2	3.0 - 6.0		
Sum of Bases	mmol/kg	120 - 200		
Base Saturation	%	80 - 90		
Eff. CEC	mmol/kg	125	75 - 200	

Soil Water Retention Curve



Soil Structure



AC Knowledge Hub

Methods reference

QR portal



Nutrient Requirement

Parameter	Recommended amount per ha	Recommended Amount per field
Phosphorus (P2O5)	14 kg/ha	18 kg
Potassium (K2O)	60 kg/ha	65 kg
Calcium oxide (CaO)	282 kg/ha	285 kg
Nitrogen	151 kg/ha	153 kg

Specific Fertilizer Recommendation

Activities	Instructions	Best Option	First Alternative	Second Alternative
Before Planting	If Available	30850 kg Agricultural Lime		
Before Planting	If available	131730 kg Compost or Animal Manure		
Before flowering	Apply the fertilizer before flowering. Spread the fertilizer in a 10 cm wide band around the tree outside the drip line (the outside edge of the canopy). Keep the fertilizer at least 10 cm away from the stem of the tree. Mix the fertilizer with soil.	2590 kg Novacid and 1625 kg TSP	2590 kg Novacid and 1620 kg SOP	4010 kg NPK 11:5:19 (+19+2:3) and 1785 kg TSP
Before fruit growth	Apply the topdressing below before fruit growth. Spread it in a band around the tree outside the drip line. Mix the fertilizer with soil.	490 kg Urea and 1660 kg Potassium Nitrate	490 kg Kynoplus and 1660 kg Potassium Nitrate	490 kg Urea and 1660 kg Nitrate of potash (NPKO3)
After harvest	Apply the third application of fertilizer after harvest. Spread it in a band around the tree outside the drip line. Mix the fertilizer with soil.	1620 kg CAN 26-0-0	1700 kg Calcium Ammonium Nitrate	975 kg Urea

Site Sensing Insight



If you want to learn more about our Solutions, please send us a message to info@agrocares.com. Visit our website via www.agrocares.com/

Instant monitoring of soil nutrients

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