
Agri intelligence
Soil Resilience Strategy
Helping you transition towards a more sustainable and resilient system
Agrii
GREEN HORIZONS
IMPROVE THE WORKABILITY OF YOUR SOIL
TARGET YOUR INPUTS & OPERATIONS
PREPARE FOR FUTURE SCHEMES & LEGISLATION

What is the SRS?

The SRS is our R&D based soil service.

It uses physical, chemical and biological soil assessments with scientific interpretation to develop strategies that help farmers and growers achieve their overall objectives and become more sustainable.

What can the SRS offer?

FLEXIBLE PACKAGES
Our strategy offers a flexible set of packages, which are tailored to your objectives and management practices.

A SERVICE TO SUIT YOU
From a full soil structural and infiltration assessment, right through to monitoring carbon stratification, we can provide a service that will suit you.

PRACTICAL SOLUTIONS
Our action plans are designed to provide practical, science-based solutions for your business based on resources and objectives.

MAXIMISE YOUR POTENTIAL
Combined with our digital services, we target areas that will enable you to maximise the potential to improve efficiency on your farm.

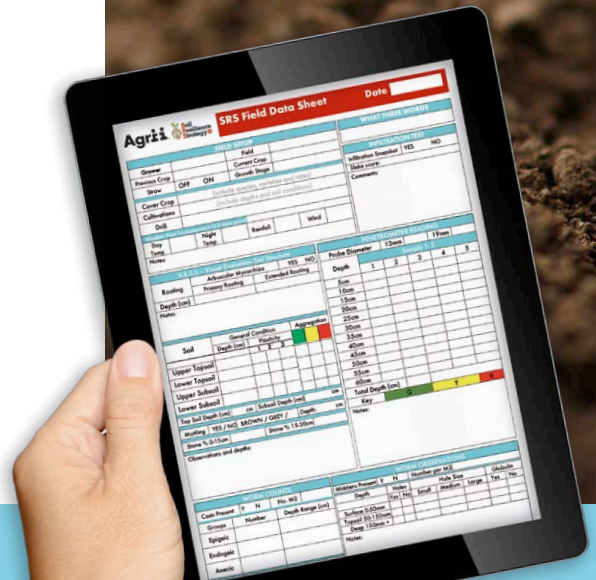
Our Agrii Soil Resilience Strategy packages:

Utilise a range of lab-based and in-field assessments to identify current soil status across different fields.

Enable us to determine your farm's long and short tem objectives, for example:

- benchmarking your soils
- improving carbon storage
- targeting cultivations and inputs
- overcoming issues

This can be on a field or whole farm basis.



Growing Resilient Soils

At the core of any sustainable farming system is a healthy and resilient soil.

There are more soil microorganisms in a teaspoon of healthy soil than there are people on the earth!**

It is estimated that soils can sequester 10% of anthropogenic greenhouse gas emissions.*

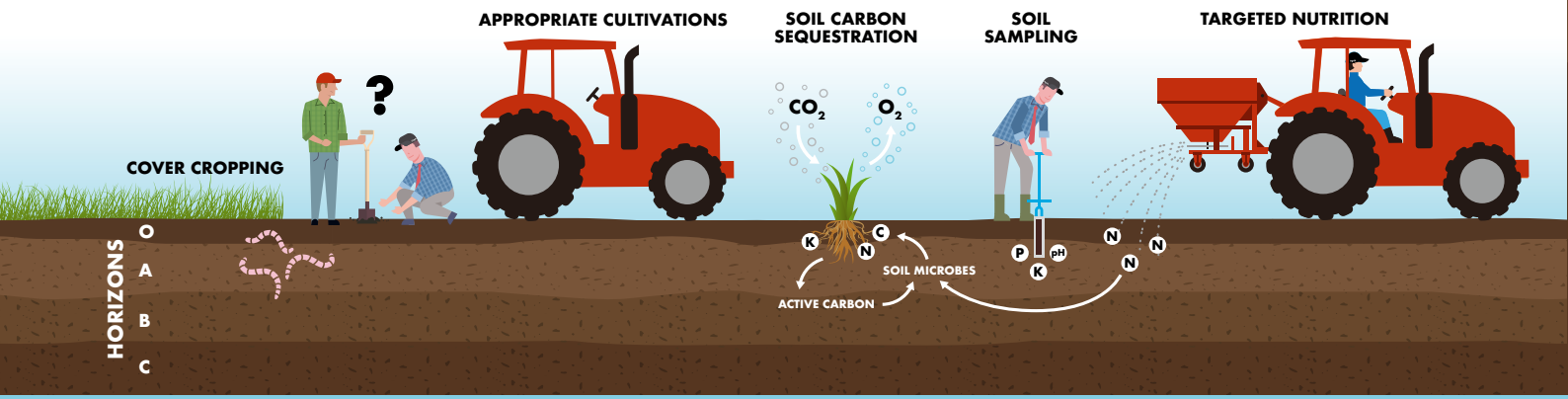
Soils store more carbon than the atmosphere and all of the world's plants and forests combined.**

A healthy soil can store one and a half Olympic swimming pools full of water per hectare.**

* FAO ** Soil Association

Bringing it all together...

A healthy soil is at the heart of any sustainable food system, and our agronomy advice is tailored from the ground up. The SRS enables us to identify opportunities to maximise the potential of each crop that our customers grow.



Our Soil Resilience Strategy (SRS)

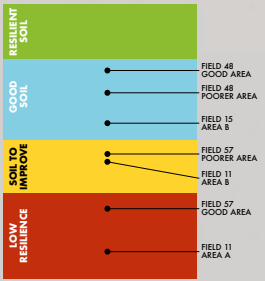
Understanding that every farm is unique, we build our packages based around farm objectives, that cover every aspect of soil health:

Biology

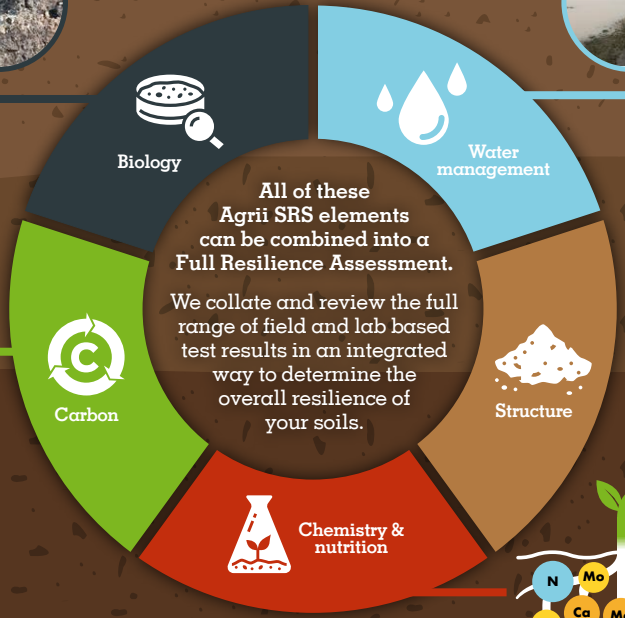
Through a combination of laboratory Solvita tests and in-field assessments, we can identify biological activity and population diversity in soils.

Carbon

The SRS protocol follows globally recognised standards for measuring soil carbon. This can help to set you up for monitoring progress towards net zero. It can also quantify the direct impact of soil management practices.



Resilience scale for Revesby Farm.
Scale based on clay:carbon ratio initially developed in work by Rothamsted.



Water management

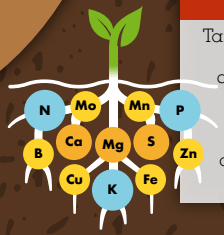
Understanding how water moves through the soil profile can help determine infiltration capacity during heavy rainfall.

Structure

Starting with soil texture, the physical component of the soil is about how the minerals and organic matter aggregate to form soil structure. A visual evaluation of soil structure (VESS) is used to help devise appropriate management strategies.

Chemistry & nutrition

Targeting nutrition has never been more important, with increasing costs and tightening of legislation. Broad spectrum soil analysis enables a more targeted and justified approach to nutrient application, minimising financial and environmental losses.



The SRS in practice...

FARM OBJECTIVE
My field is constantly waterlogged over winter. How can I improve infiltration?

INVESTIGATION
Agronomist talks through field history and identifies the appropriate assessments to help identify what the issue is...

ANALYSIS
Assessments undertaken in the field and samples taken for laboratory analysis...

INTERPRETATION
Report is provided and discussed with the grower. An action plan is agreed between farmer and agronomist...

IMPLEMENTATION
Field is monitored for any improvements – timeframe for revisits agreed.

ELMS

The Sustainable Farming Incentive (SFI) is a new Environmental Land Management Scheme (ELMS) that will reward farmers for adopting more sustainable farming approaches.

Underpinning a wide range of environmental benefits, soil health is a core standard offering farmers the opportunity to earn money for monitoring and improving soil health.

Our **SRS** provides a framework for monitoring soil health, identifying additional opportunities for any farming system.

More information on measuring soil health

Our **Green Horizons Insight Report** on improving soil resilience contains examples of how sustainable soil management has made a big difference on farm.

To access the report, click the link below or request a hard copy from **info@agrii.co.uk**.

www.agrii.co.uk/greenhorizons/soil-resilience/

Experiences from our Green Horizons Farmer Network

OBJECTIVE:
Carbon and net zero

David White, Hawk Mill Farm, Cambridgeshire

"We are all recognising more and more that soil is the basis of every farming business. The science tells us that our soils are both a source and, importantly, a sink of carbon, meaning that they have a fundamental role in helping us to reach net zero.

Assessing and measuring the soil carbon and biological activity across our farm has meant that we've been able to see, in practice, the improvements in our soils since we started to adopt more sustainable soil management practices 6 years ago. It's never too soon to start measuring and therefore have a benchmark to help chart improvements."

OBJECTIVE:
Baseline data

Peter Cartwright, Revesby Estate, Lincolnshire

"For us, collecting meaningful data has been key in helping us to reduce our cultivations, because it's allowed us to see what is working and has helped us plan how to do it better.

The baseline data that we've collected at Revesby has shown us that a gradual move towards direct drilling can enhance both soil health and improve crop production at the same time."

OBJECTIVE:
Targeting cultivations

Luke Medd, West Whorley Hill, County Durham
(Agrii Innovation Award Winner, 2021)

"We've been working to improve the resilience of the soils on our farm, and become more sustainable in our overall approach.

I'm looking forward to seeing the results from the regular SRS assessments that we're going to be carrying out along the way. They will allow us to gain a better understanding of both what is working well, and what isn't, so we can adapt our approach accordingly."

Do you want to know how sustainable your soils are?

Speak to your usual agronomist or Agrii contact

iFarms
Connect with us at an iFarm event

Call 0845 607 3322
Email info@agrii.co.uk

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