





#InnovationImpact

What does it do?

Sea2Soil improves soil health and fertility by:

- Feeding soil microorganisms, which release nutrients to the crop over time
- Enhancing root growth and activity for better nutrient and water uptake
- Increasing soil organic matter, microbial diversity, and earthworm populations
- Improving soil structure, porosity, and water regulation
- Supporting carbon sequestration and overall ecosystem function



Application

CROP	TIMING	DOSE (I/ha)
Winter Cereals	Pre-emergence or as soon after drilling as possible; follow up early Spring while leaf area is small	10 + 10 (or split 5@GS30 + 5@ GS31/32)
Winter Oilseed Rape	Pre-emergence or as soon after drilling as possible; follow up Autumn (4–6 leaves) and Spring before stem elongation	10 + 5 (Autumn) + 5 (Spring)
Spring Cereals	Apply as soon as possible on backward crops; follow up before stem elongation	10 + 5-10 (pre-GS30/31)
Spring Oilseed Rape	Pre-emergence or as soon after drilling as possible; follow up before stem elongation	10 + 5-10 (pre-GS30/31)

How does it do it?

The bioactive compounds in Sea2Soil stimulate microbial and mesofauna communities, increasing nutrient availability and soil biological activity.

Earthworms and other beneficial organisms respond rapidly, creating soil channels, improving porosity, and facilitating nutrient cycling.

Over time, this supports healthier roots, increased plant growth, and healthier crops.

Features

- Feeds soil microbial populations for sustained nutrient release
- Stimulates earthworm activity and root exudation
- Improves soil porosity, water infiltration, and drainage
- Enhances soil organic matter and carbon content
- Supports nutrient cycling and plant nutrient use efficiency

Benefits

- Healthier, deeper, and more active root systems
- Increased nutrient availability and uptake
- Improved soil structure and water retention
- Higher soil microbial biomass and diversity
- Enhanced crop quality and resilience
- Promotes long-term soil fertility and carbon sequestration



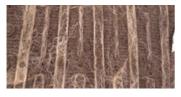


Results

Crop rooting

Without Sea2Soil

Shows root structure of Oil Seed Rape without Sea2Soil, with a root condition score of 5.



With Sea2Soil

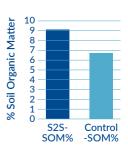
Shows root structure of Oil Seed Rape with Sea2Soil, with a root condition score of 9.



Soil organic matter

Sea2Soil-treated soils showed a significant increase in Soil Organic Matter (p = 0.003), with 9.1% compared to 6.7% in the control soils.

Average Soil Organic Matter %



Total Soil Carbon content

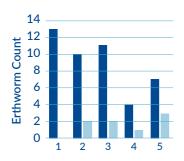
Sea2Soil-treated soils had a TOC of 4.65%, compared with 3.45% in the control soils (p = 0.003), representing an approximate 35% increase over the control – a substantial change given the relatively short timeframe.

Average Total Soil Content



Earthworms

Sea2Soil-treated soil had an average earthworm count of 9.0, compared with 1.6 in the control soils—over five times more worms.



S2S - Earth worm C
Control - Earth Worm C

Sea2Soil v CSFB

Recent Pelagia commissioned farm-set trials and research on CSFB, in collaboration with the National Institute of Agricultural Botany (NIAB).

Sea2Soil 10I/ha

- At its peak (7 days after application) had reduced CSFB damage to cotyledons by 32%
- 12 days after application had reduced CSFB damage to leaves by 90%
- Had reduced CSFB damage to stems
 22 days after application by 59%



Sea2Soil™ is a hydrolysed liquid fertiliser produced from farmed salmon (Salmo salar) in accordance with Regulation (EU) 1069/2009.

It provides a uniform nutritional composition of naturally occurring nitrogen, minerals, trace elements, and amino acids that feed and stimulate soil biology.

High in fatty acids, Sea2Soil™ promotes the growth of beneficial fungi, supporting nutrient cycling, disease suppression, and water regulation.

By enhancing soil microbial and mesofauna activity, it improves nutrient absorption, encourages healthy root development, and supports robust plant growth and long-term soil health.



Making a **real impact** on your farm

Bioscience products for healthier, productive crops. #InnovationImpact





Agrovista UK Limited

T: 0115 939 0202

E: enquiries@agrovista.co.uk





@AgrovistaUK

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