



**SR3 Oats  
treats 5 Hectares**



Tailored bacteria to improve  
oats production

SR3 Oats comprises four species of Plant Growth Promoting Rhizobacteria (PGPR) and a special organic biostimulant that encourages microbial multiplication.

The biology in SR3 has been carefully selected for its beneficial effects and vigorously tested in wheat production.

SR3 Oats contains naturally occurring bacteria and biostimulant approved for restricted use in Organic Systems, in compliance with **OF&G Standards**.

**Product Application:**

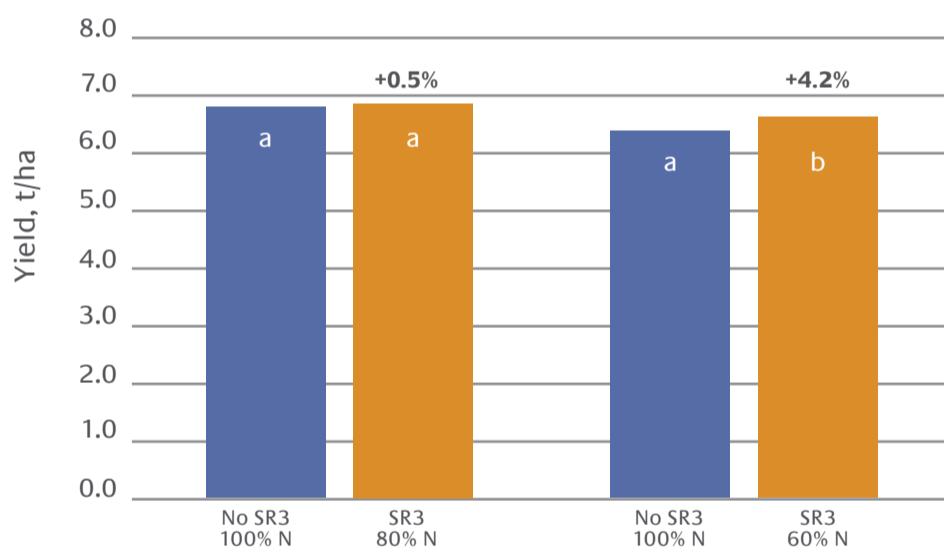
The product is supplied in a liquid form, comprising four 50ml sterile pouches of inoculum and a one litre bottle of plant derived biostimulant.

Suitable for application with standard spray equipment at a recommendation of 200L of water per hectare. Select nozzle and low-pressure settings to achieve a coarse to medium spray for maximum soil coverage.

SMART ROTATIONS is a range of Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria products formulated and tested in the UK to improve soil health and increase plant efficiency at uptaking nutrients & water.

**4.2% yield increase at 60% nitrogen application**

Average oat grain yields in different fields with and without SR3 treatment under different Nitrogen inputs



**£36 - 131/ha  
Profit from SR3  
application and  
nitrogen reduction**

- All SR3 Oats treatments yielded higher than control.
- The bacteria within SR3 Oats have been selected to treat winter and spring oats.
- SR3 improves biological soil health over the lifetime of the plant and beyond.
- Reduced N application decreases leaching and lowers your carbon footprint.

**Margin Calculation Breakdown**

Treatments	Field 1		Field 2	
	Control 152kgN/ha	SR3 + 80% 122kgN/ha	Control 152kgN/ha	SR3 + 60% 91kgN/ha
Yield, t/ha	6.79	6.82	6.40	6.67
Grain price, £/t	138	138	138	138
Income per yield, £/ha	936.61	941.16	883.48	920.32
Fertiliser Cost	307.68	246.96	307.68	184.21
Fertiliser + SR3 + application cost, £/ha	307.68	275.96	307.68	213.21
Profit, £/ha	628.92	665.20	575.79	707.12
Additional profit from SR3 application, £/ha	0.00	36.28	0.0	131.32

**Trial information:**  
Winter oats variety Gerald  
Drilling date – autumn 2020  
Previous crop - barley  
Location – Leicestershire  
SR3 application date - 8th March 2021