



## SR3 Wheat treats 5 Hectares

SR3 Wheat 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 Wheat 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.

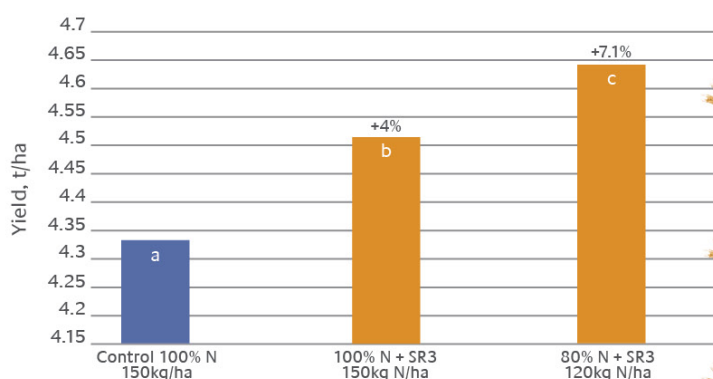
Tailored bacteria to improve  
wheat production



4% yield increase in standard nitrogen  
application programme, 7.1% average yield  
increase in reduced nitrogen application  
programme

**£109/ha**  
**Profit from SR3**  
**application and**  
**nitrogen reduction**

Percentage difference of yield between untreated area vs  
SR3 treated areas under various N fertiliser inputs



The differences between the untreated and various SR3 treated areas are statistically significant.

All SR3 Wheat treatments yielded higher than control regardless of N-applications.

The bacteria within SR3 Wheat have been selected to treat winter and spring wheat.

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

	Control 150kg/ha	SR3 + 100% N 150kg/ha	SR3 + 80% N 120kg/ha
Yield, t/ha	4.33	4.51	4.64
Price per t, £	250	250	250
Income per yield, £/ha	1082.5	1127.5	1160.0
Fertiliser Cost	303.6	303.6	242.9
Fertiliser + SR3 + application cost, £/ha	303.6	332.6	271.9
Profit, £/ha	778.9	794.9	888.1
Additional profit from SR3 application, £/ha	0.0	16.0	109.2

**Trial information:**  
Spring milling wheat variety  
Infinity  
Previous crop – Moderate  
cover crop, red wheat  
Drilling date – spring 2021  
Location- Cambridgeshire  
SR3 application date – 21  
May 2021  
Standard N application rate  
(100%) – 150 kg/ha

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