



SR3 Wheat treats 5 Hectares



Tailored bacteria to improve wheat production

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:

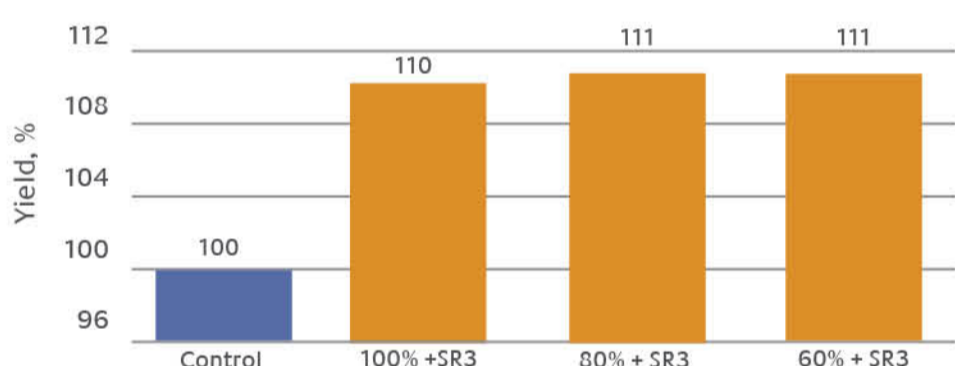
The product is supplied in a liquid form, comprising four 50ml sterile pouches of inoculum and a one litre bottle of plant derived biostimulant.

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.

11% yield increase at 60% nitrogen application

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 (one way ANOVA, $F(3/234)=204$, $p<1.68e-13$).

£135 - £201/ha Profit from SR3 application and nitrogen reduction

- 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	100% N + SR3	80% N + SR3	60% N + SR3
Yield (t)	10.8	11.89	11.93	11.94
Price per t (£)	150	150	150	150
Income per yield (£)	1620	1784	1790	1791
N fert cost per ha (£)	150	150	120	90
N fert + SR3 cost per ha (£)	150	179	150	120
Profit (£)	1470	1605	1640	1671
Additional profit from SR3 application (£)		135	170	201

Trial information:
Winter feed wheat variety - Graham
Drilling date - 29 Oct 2019
Location - Kent
SR3 application date - 5 Mar 2020
Standard N application rate (100%) - 260 kg/ha

