



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.

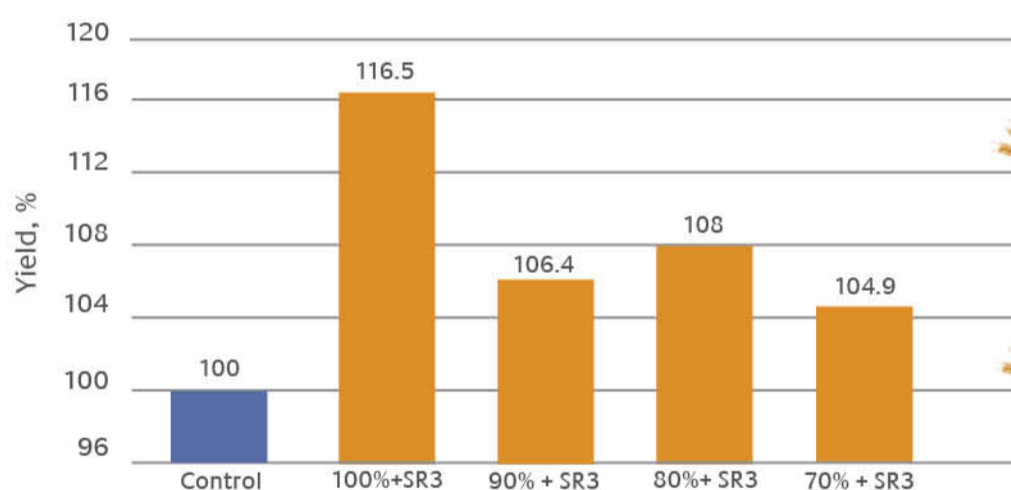
Suitable for application with standard spray equipment at a recommendation of 200L of water per hectare. Select nozzle and low-pressure settings to achieve a coarse to medium spray for maximum soil coverage.

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.

16.5% yield increase in standard nitrogen application programme, 6.4% average yield increase in reduced nitrogen application programme

£42 - £124/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 (one way ANOVA, F(4/4996)=204, P<2e-16).

- 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	90% N + SR3	80% N + SR3	70% N + SR3
Yield (t)	5.38	6.36	5.72	5.81	5.64
Price per t (£)	174	174	174	174	174
Income per yield (£)	935	1089	995	1010	981
N fert cost per ha (£)	173	173	161	150	139
N fert + SR3 cost per ha (£)	173	203	191	180	169
Profit (£)	762	886	804	830	812
Additional profit from SR3 application (£)		124	42	68	50

Trial information:
Spring milling wheat variety - Infinity
Previous crop - barley
Drilling date - spring
Location - Cambridgeshire
SR3 application date - spring, post-germination
Standard N application rate (100%) - 250 kg/ha