



**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:

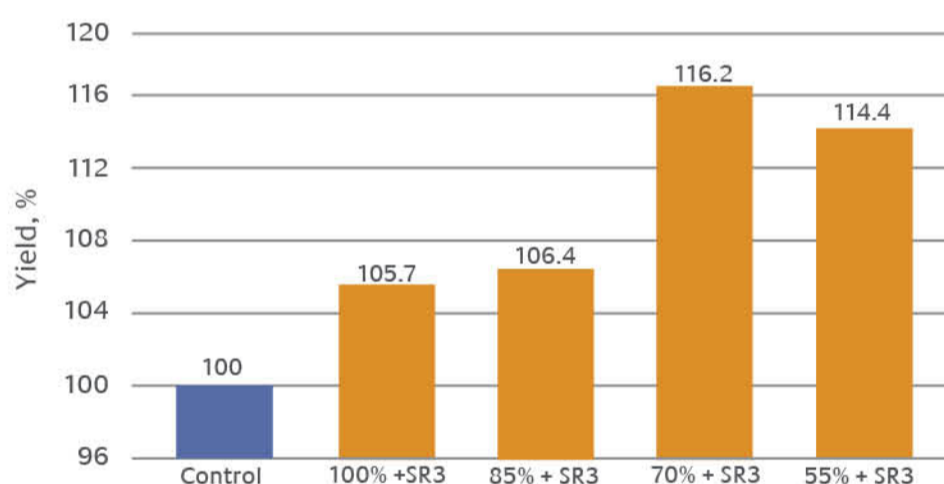
The product is supplied in a liquid form, comprising four 50ml sterile pouches of inoculum and a one litre bottle of plant derived biostimulant.

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.

16.2% average yield increase at 70% nitrogen application rate

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, $F(4/2266)=121.3$, $p<2e-16$).

**£28 - £202/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	85% N + SR3	70% N + SR3	55% N + SR3
Yield (t)	5.93	6.26	6.3	6.88	6.78
Price per t (£)	174	174	174	174	174
Income per yield (£)	1031	1089	1097	1198	1179
N fert cost per ha (£)	188	188	159.8	152.6	104.39
N fert + SR3 cost per ha (£)	188	218	189.8	182.6	134.39
Profit (£)	843	871.4	906.9	1015	1045
Additional profit from SR3 application (£)		28	64	172	202

Trial information:
Winter milling wheat variety - KWS Zyatt
Drilling date - 26 Oct 2019
Location - Cambridgeshire
SR3 application date - 5 March 2020
Standard N application rate (100%) - 250 kg/ha

smart.plantworksuk.co.uk sales@rootgrow.co.uk

+44 (0) 1795 411527

