Sugar beet response to SR3

SR3 Beet & Spinach treats 5 Hectares

Tailored bacteria to improve beet production

SR3 Beet & Spinach 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 beet production.

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

Product Application:

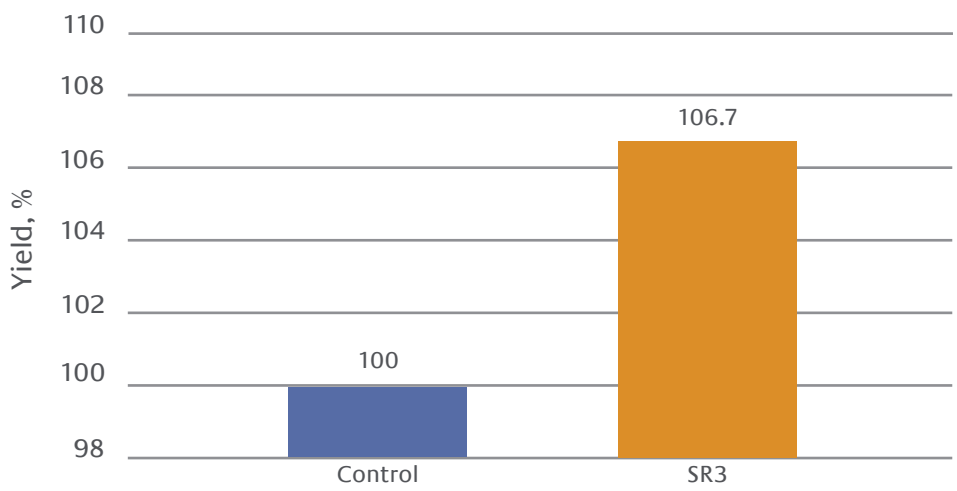
The product is supplied in a liquid form, comprising four 50ml sterile pouches of inoculum and a one litre bottle of plant derived biostimulant.

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.

6.7% average increase of sugar beet yield

Percentage difference of yield between untreated area vs SR3 treated areas (dual application)



£56-85/ha
Profit from dual application and single application

All SR3 Beet & Spinach treatments yielded higher than control.

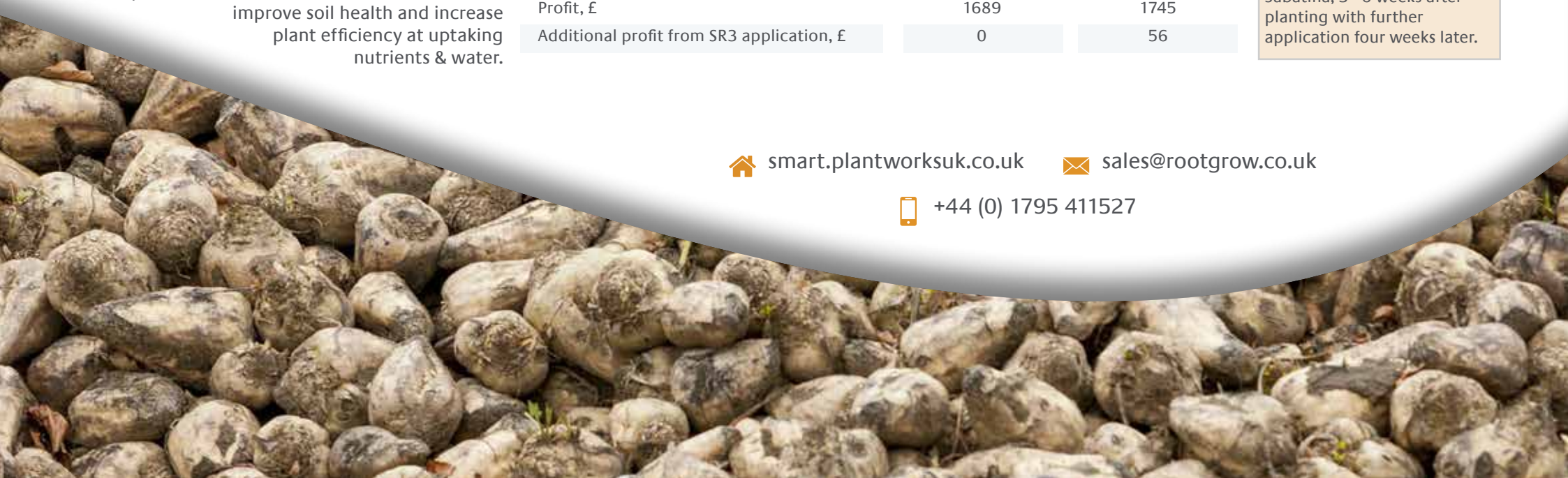
The bacteria within SR3 Beet and Spinach have been selected to treat plants from *Amaranthaceae* family.

SR3 improves biological soil health over the lifetime of the plant and beyond.

Margin Calculation Breakdown

	Control	SR3 treated
Yield, t (John Nix 2021)	78	83.2
Price, £/t (John Nix 2021)	21.66	21.66
Income per yield, £	1689	1803
Cost of SR3 (£19x2) + spraying (£10x2) per ha	0	58
Profit, £	1689	1745
Additional profit from SR3 application, £	0	56

Trials information:
Trials were undertaken independently on three farms with different soil types. SR3 Beet & Spinach was sprayed on two varieties, Hayden and Sabatina, 3 - 6 weeks after planting with further application four weeks later.



smart.plantworksuk.co.uk
sales@rootgrow.co.uk
+44 (0) 1795 411527