

SMART ROTATIONS is a range of mycorrhizal fungi and plant growth promoting rhizobacteria products formulated and tested in the UK to increase **soil health and improve plant efficiency** at uptaking nutrients & water

BARLEY response to SR3

10.9% average yield increase with SR3 on spring barley with reduced nitrogen input compared to control with farm standard nitrogen regime

SR3 Barley inoculum was applied to ground 4 weeks after sowing on 4 plots. Half of treated and control plots received 200kg N/ha [farm standard] whilst half of the plots followed a reduced N programme (170kg N/ha). Hand harvested results were adjusted to combine readings with 25% loss.

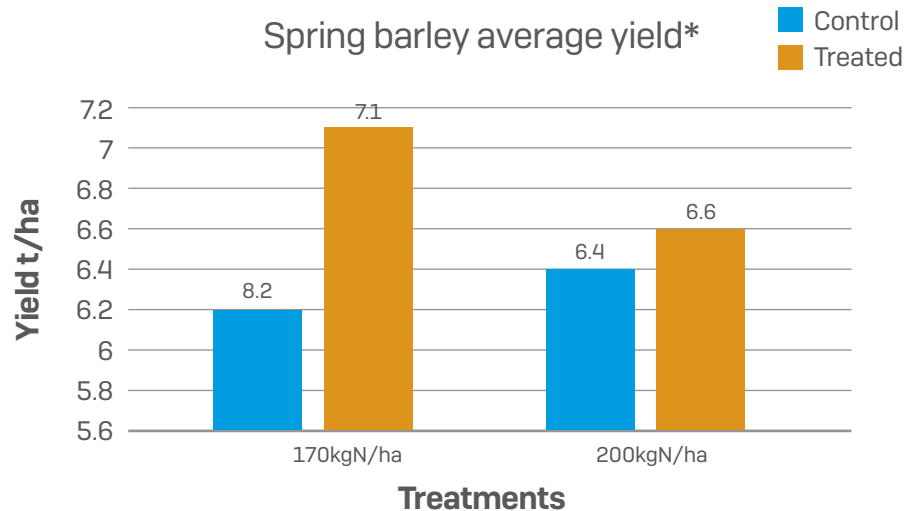
Net uplift £65.46/ha for single application based on average yield of 5.7t/ha [John Nix, 2020], product costs £20/ha and spray application costs of £10/ha. Data does not include cost saving from reduced use of N.

SPRING
BARLEY

COVER
CROP

SR3

SPRING
BARLEY



*Original samples were hand harvested. Presented data has been adjusted downwards by 25%.

SMART ROTATIONS products are manufactured by PlantWorks Ltd, the UK's only mass producer of mycorrhizal fungi & PGPR. Your resource for BioFertilisers, advice & science.

SMART ROTATIONS SR3 Barley Plant Growth Promoting Rhizobacteria (PGPR)

The product comes in 5 hectare units at an average cost of £20/ha and is available from all major agronomic suppliers.

