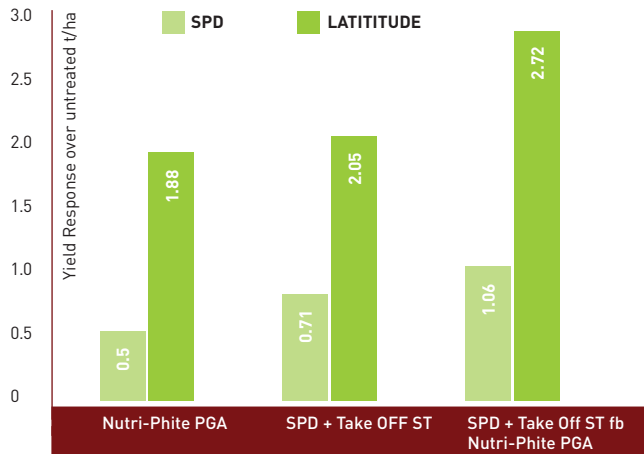


► **The Synergy of a Take Off ST programme with foliar Nutri-Phite PGA** lsd.67 cv11.1%



This was a second wheat crop of Robigus on a gravel soil

► **The Effects of Take Off ST in Winter Wheat over 8 years,**

33 Independent Trial Comparisons, 8 varieties, 1st, 2nd and 3rd rotations.

- Statistical response at 95% confidence
- Positive Response
- Neutral Response



Take off ST

The Alliance of Syence and Seed

KEY FEATURES AND BENEFITS

- Enhanced emergence
- Increased speed of emergence
- Uniform establishment
- Optimise tiller initiation
- Enhanced rooting
- Increased yield potential
- Healthier crop
- Reduced impact of early environmental stress
- Improved drought tolerance
- Improved winter hardiness
- Maximise fertiliser and soil nutrient efficiency

For further information please contact your local Masstock Specialist or call 01277 899700 www.masstock.co.uk

www.plantsyence.com
 enquiries@plantsyence.com
 Tel: 01430 431810

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NEW

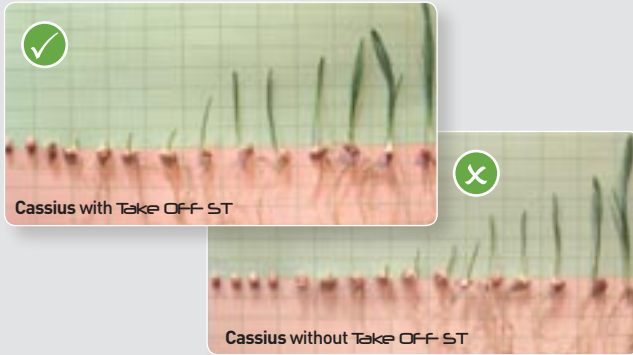
Take Off ST contains the formulated patented plant metabolite pyro-glutamic acid with an advanced nutrient complex providing the latest innovation in seed treatments to maximise nutrient efficiency in the soil



plantsyence

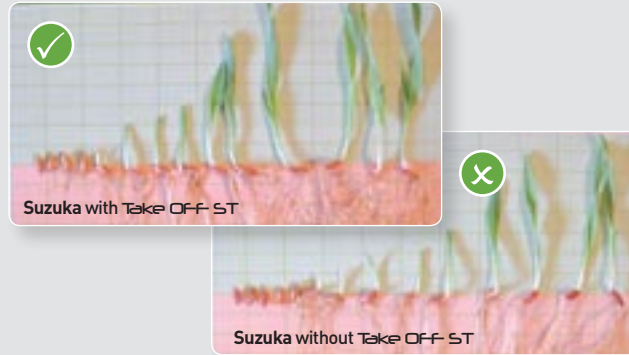
▶ WHEAT

These charts show more rapid emergence with the resulting increase in root and shoot biomass. These benefits have been consistently seen on all the SMART farm trials with Winter Wheat, Winter Barley and Spring Barley.

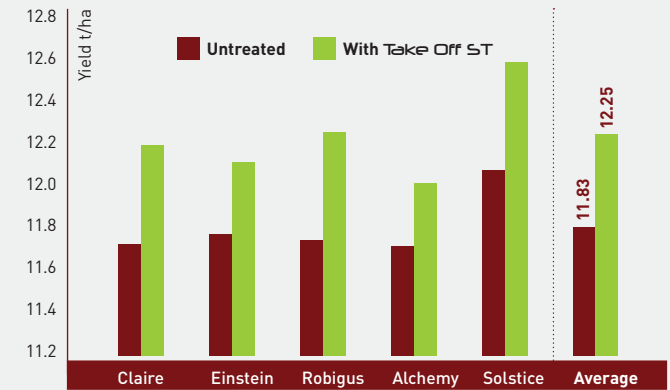


▶ BARLEY

Take Off ST will provide the essential early season P requirements of the emerging crop. This early uptake is critical for root growth and setting up the high yield potential. P has major impacts on plant emergence, establishment, root development, tillering, crop uniformity and yield.



▶ YIELD



RESPONSE BY VARIETY TO TAKE OFF ST

Independent Trial 2008 - Cv 3.5% Lsd 0.35 t/ha

FREQUENTLY ASKED QUESTIONS

▶ Where should I target Take Off Seed Treatment?

By improving establishment, root and shoot mass Take Off ST will increase yield potential. Yield increases from 0.15 - 1.1 t/ha have been recorded with an average of 0.325 t/ha. Therefore it is applicable across most situations. Reduced benefits may be seen with very early drilled crops.

▶ What might I see by increasing the speed of emergence?

Take Off ST will speed up emergence of the crop, typically 1-3 days, the crop will establish quicker reducing the impact of stress - and another advantage is that the crop will be at risk from slug damage for less time.

▶ If I have a bigger root mass can I reduce P & K fertiliser applications?

Take Off ST will deliver a very small but targeted amount of Phosphorus per hectare. It is designed to provide sufficient nutrients for the first 3 weeks of crop life. Standard applications should replace the nutrients being removed by the crop and where indices are low, build them up. Therefore Take Off ST will increase availability of nutrients and water to the crop but should not be used to reduce fertiliser applications.

▶ As I will get a bigger root mass, can I drill my 2nd wheats earlier?

Drilling earlier means increased Take-All risk although bigger roots mean the crop will be more tolerant to the impact of disease infection. We suggest you do not alter the target drilling date when using Take Off ST seed treatment. Where there is risk of Take-All a specialist seed treatment should be used in combination with Take Off ST to protect this bigger root mass from Take-All.

▶ If I use Take Off ST, will there still be a benefit if I apply NutriPhite PGA?

Yes, trials have shown that there is a consistent yield benefit in applying sequences of Take Off ST followed by foliar NutriPhite PGA - it contains larger quantities of phosphorus than Take Off, Nutri-Phite PGA is better matched to crop need at specific crop development stages.

TAKE OFF ST

This Yield benefit of 0.4 t/ha will deliver a Margin over Input Cost of around £40/ha or a 6:1 return on investment.

