



Potato Data
 36 Commercial Field Trials
 over 3 Years

Average margin increase
9.3%

Grower margin increase
£600 – £800
 per ha

Improved skin finish | For premium markets

The data shows there is a 99.98% certainty that Maxstim treatments are effective.
 (Chi Square Value of 13.44. p = 0.000246)

Trial layout and methodology

Comparisons: Maxstim Agriculture+ vs Farmers Standard Control

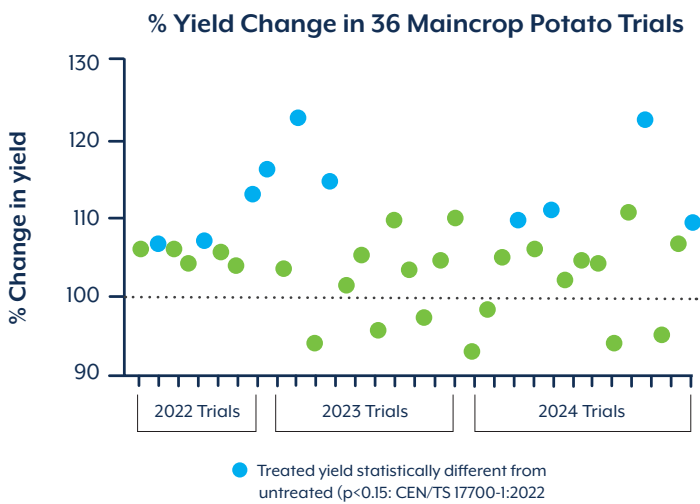
3 Treatment Protocols were used:

1. Maxstim sprayed into the furrow at planting
2. Maxstim injected with clear liquid starter fertiliser at planting
3. Maxstim not applied in the furrow at planting but applied pre-crop emergence on the ridges by conventional spraying

Yield Plot Assessments: 6 pairs of treated and control plots

Plot size: Two rows 3 m long, (based on 1.83 wide X 3m long = 5.49m²)

- Data Recorded:**
- ✓ Potato plant numbers
 - ✓ Potato stem numbers
 - ✓ Number of potatoes in grade sizes >85+mm to <20mm
 - ✓ Potato weight kg, in grade sizes >85+mm to <20mm
 - ✓ Potato Dry Matter in all grades
 - ✓ Potato Starch% in all grades
 - ✓ Skin finish analysis by random selection of potatoes



Marketable yields and margin results from 36 maincrop potato trial

Marketable Yield:

Calculation of yield for margin differences is 45mm to 85+mm

Margins based on:

1. Price per tonne received from each individual grower and the variety grown
2. Any increase in margin from an increased pack-out is conservative, and based on the improvement in skin finish achieved, agreed with the grower and their abilities to use the improvement within the markets available with each variety.

16 varieties were used in the trials:

- ✓ 777
- ✓ Markies
- ✓ Arsenal
- ✓ Agria
- ✓ Melody
- ✓ Brooke
- ✓ Corinna
- ✓ Rooster
- ✓ Taurus
- ✓ Eurostar
- ✓ Royal
- ✓ Opal
- ✓ Innovator
- ✓ Tyson
- ✓ Manhattan
- ✓ Maris Piper

Average Total Yield and Margins for all 36 Maincrop Potato trials

TOTAL CROP YIELD Maincrop Trial Varieties	Maxstim Agriculture+ Treated Yield t/ha	Control Yield t/ha
Average of all 36 Trials	62.83	58.59

TOTAL CROP YIELD Maincrop Trial Varieties	Increased Yield t/ha	Yield % Increase	Increase in Margin after Cost of Products
Average of all 36 Trials	4.24	7.24%	£639

The average yield increase is 4.24 t/ha across 36 trials of maincrop varieties.

This produced an average yield increase of 7.24%.

Effects of Maxstim Agriculture+ on potato skin finish

- Every assessment of skin finish quality showed an improvement
- Potential for growers to improve margins by improved pack out %
- All varieties have shown this improvement

Sample 1 - Maris Piper 2024



Sample 2 - Tyson 2024



Average yield increases and margins after adjusting for pack out and deducting the cost of Maxstim Agriculture+

45-85+mm CROP YIELD Maincrop Trial Varieties	Additional Increase in Margin after adjusting for packout	Total Increase in Margin after deducting the cost of Maxstim Products	Total % Increase in Margin
Average of all 36 Trials	£295	£885	9.30%

• In-furrow applications by injecting or spraying at planting demonstrated an improvement in skin finish.

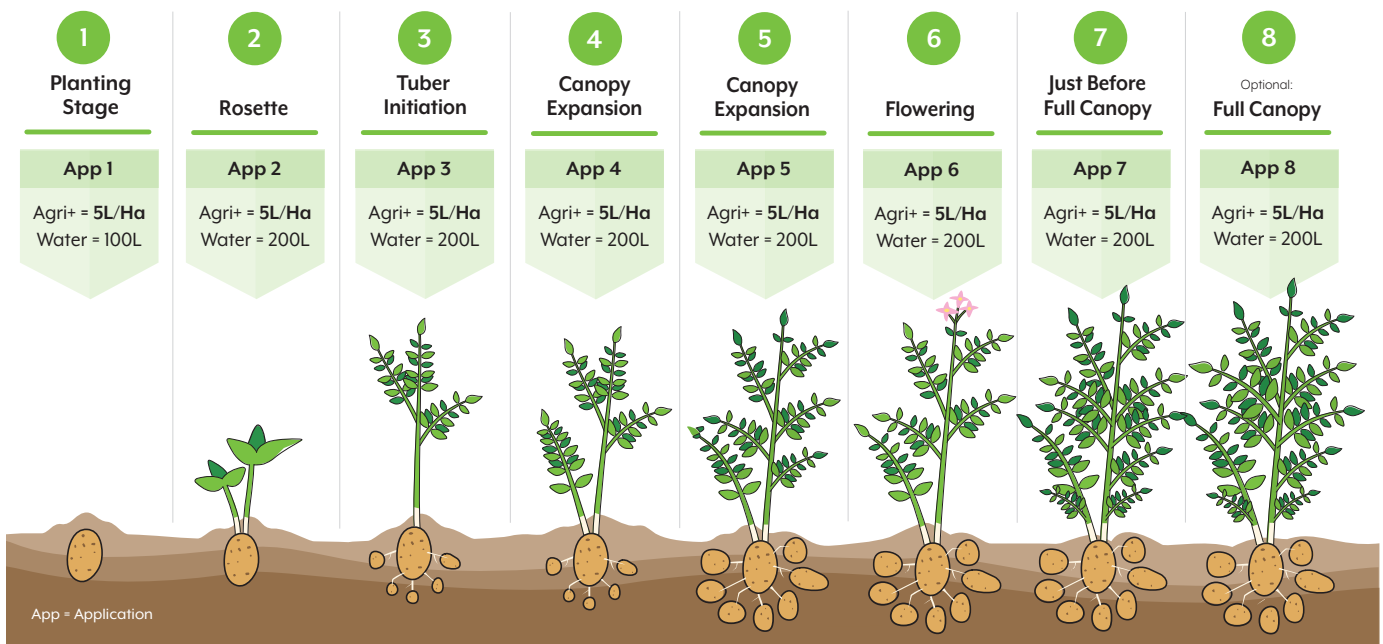
Conclusion and Benefits

Maxstim Agriculture+ in marketable grades 45mm to 85+mm

- Average margin increases of 9.3% or £885 per hectare
- Skin finish is improved allowing for better pack out from the crop
- Dry Matter 2% increased
- 1st applications made in-furrow at planting indicate the average yield can be increased by a further 1t/ha
- Increases the average yield of potatoes by over 4t/ha, an increase of 7.33%

3 years of high quality data from 36 commercial field trials showing significant crop improvements.

Potatoes growth cycle diagram with recommended rates and timings



For more information on how you can incorporate Maxstim complex biostimulants into your crop maintenance program please call one of our experts:

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Creating New Standards in Biostimulants