



Agromaster[®]

Trial results

Potato *(Solanum tuberosum)*

Master crop nutrition in any condition

No matter how challenging your growing conditions, you can count on Agromaster for top performance. It combines our advanced coating technology with specially selected conventional granules to give you optimum ease of use and outstanding results.

N 39%

P 0% P₂O₅

K 0% K₂O





When

- Planting: June
- Harvest: October



Where

East Riding of
Yorkshire, UK



Crop

Potato,
Seed production
(*var. Sassy*)



Soil type

Clay loam
pH = 7.8



Measurements

- Yield and distribution per class
- NUE

Objective

To compare the efficiency of Agromaster, as controlled release nitrogen-based fertilizer, vs ammonium nitrate, in one application, in seed potato production.

Trial set-up

Trial performed by Eurofins UK.
Randomized block design with 6 repetitions.

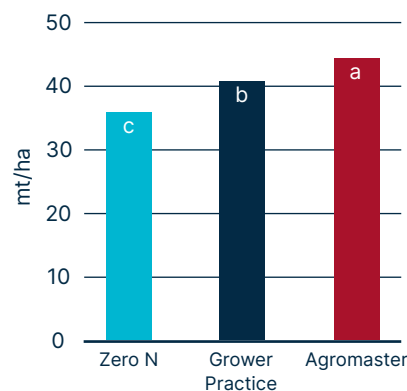
Treatments

Treatment	Product	Dosage, kg/ha	Total-N mineral, kg/ha	Phenological stage
Zero N	None			before planting
Grower Practice	Ammonium nitrate 33.4-0-0	447	150	
Agromaster	Agromaster 39-0-0 1-2M, 60% coated N	383	150	

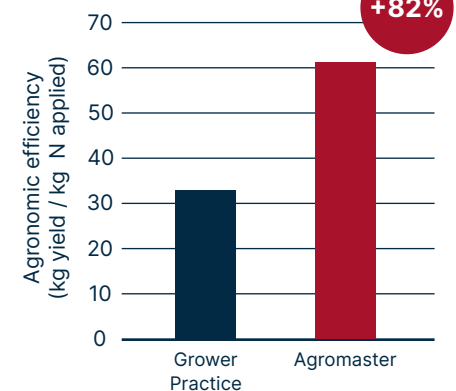
All treatments received the same level of P and K

Results

Total yield



Nitrogen Use Efficiency



*Statistically significant difference at P=0.05

Economical evaluation

Treatment	Zero N	Grower Practice	Agromaster
Total yield, mt/ha	36.59	41.53	45.58
Yield, mt/ha (45-65 mm)	16.71	19.05	20.14
Yield, mt/ha (65+ mm)	19.88	22.48	25.44
Fertilizer cost, £/ha		291	329
ROI, total income minus fertilizer cost, £/ha		8,294	9,030

Calculation based on market price for tubers 45-65 mm of £250/mt and for 65+mm of £170/mt.

Conclusions

Higher yields: With Agromaster total yield increased by 10%

Higher NUE: Thanks to controlled release of nitrogen, Agromaster provides higher nitrogen use efficiency (NUE)

ROI: Agromaster provides a positive return on investment (ROI) – extra 736 £/ha



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