



# Agromaster<sup>®</sup>

## Trial results

### Potato *(Solanum tuberosum)*

#### Conclusions

**Higher yields:** Using Agromaster, in only 1 application compared to 2 application of CAN as in Growers Practice, increased the yield of tubers larger than 55mm by 25%, while the overall marketable yield (larger than 35mm) increased by 6.6%.

**Higher NUE:** Thanks to controlled release of nitrogen, Agromaster provides higher nitrogen use efficiency.

**ROI:** Agromaster provides a positive return on investment (ROI) – extra 146 euro/ha.

N	35%
P	0% P <sub>2</sub> O <sub>5</sub>
K	0% K <sub>2</sub> O





### When

- Planting: April
- Harvest: End of August



### Where

IASP, Berge  
Germany



### Crop

Potato, ware  
(var. Augusta)



### Soil type

Light



### Measurements

- Marketable yield and NUE

## Objective

To compare the efficiency of a single application of Agromaster, as CRF, replacing standard fertilization with conventional N, as CAN that is applied 2 times over the crop cycle.

## Trial set-up

Randomized block design with 4 repetitions.

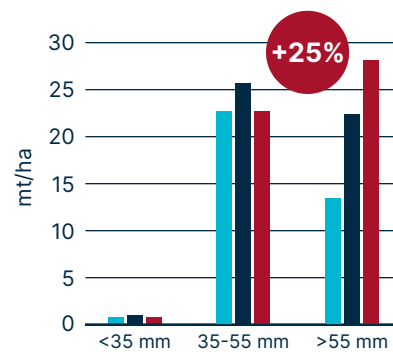
## Treatments

Treatment	Product	Total-N mineral, kg/ha	Timing
Grower Practice	CAN 27-0-0	108	Before planting
	CAN 27-0-0	72	Mid-June
Agromaster	Agromaster* 35-0-0, 2-3M, 60% coated N	180	Before planting

\* Agromaster was made by combining coated urea and CAN.  
All treatments received the same level of P, K, Ca, Mg and S.

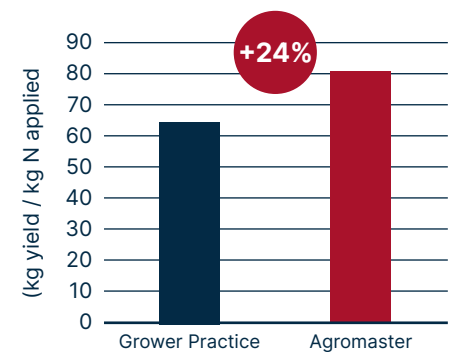
## Results

Total yield distribution per sizes



■ Zero N ■ Grower Practice ■ Agromaster

Nitrogen Use Efficiency\*



\* Calculated as Agronomy Efficiency >  $NUE = (Y_{fert} - Y_0) / N_{applied}$ , kg of product/kg of N applied

## Economical evaluation

Economic evaluation	Grower Practice	Agromaster
Yield, mt/ha	47	50
Cost of fertilizers, euro/ha	455	515
Gross income minus fertilizers cost, euro/ha	5209	5355
Extra revenue vs Grower Practice, euro/ha		146

Based on: Potato, market price for 35-55mm = 140 euro/mt,  
Potato, market price for > 55mm = 100 euro/mt

## 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.



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