



# Agrocote<sup>®</sup> Max

Trial results

## Leek (Variety poulton)

### Master crop nutrition in any condition

Agrocote Max 44-0-0 is a 100% coated urea product using E-Max Release Technology. This polymer coating improves nutrient efficiency and provides crops with a continuous release of nitrogen based upon temperature, which closely matches the nutrient needs of the plant. Agrocote Max offers more predictable longevity, even under extreme weather conditions!

N 44%

P 0% P<sub>2</sub>O<sub>5</sub>

K 0% K<sub>2</sub>O





### Where

Official trial station,  
Belgium



### Crop

Leek, variety Poulton



### Soil type

Loamy - sandy soil



### Measurements

- Marketable yield
- Quality and classification by sizes

## Objective

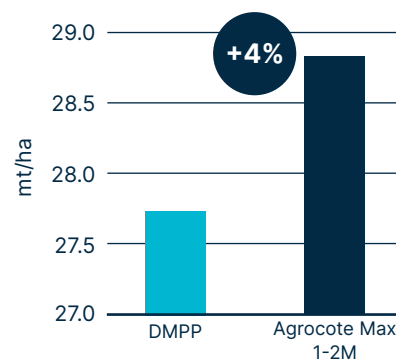
To evaluate yield and quality by using Controlled Release Fertilizers (Agrocote Max) in comparison with nitrification inhibitors based products (DMPP) for leek production.

## Treatments

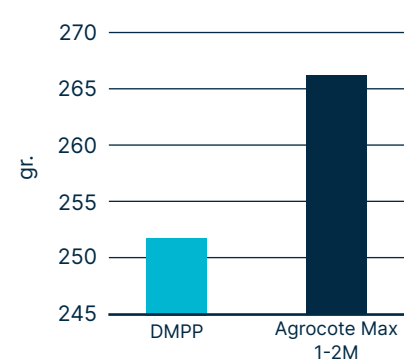
Treatment	Product / Analysis (%)	Product dosage, kg/ha	Total-N mineral, kg/ha	Timing
Agrocote Max	Calcium ammonium nitrate, 27-0-0	296	80	Base fertilizer
	Agrocote Max, 44-0-0, 1-2M, 100% coated N	205	90	Top dressing
DMPP	Calcium ammonium nitrate, 27-0-0	296	80	Base fertilizer
	DMPP (nitrification inhibitor based product), 26-0-0	346	90	Top dressing

## Results

Marketable yield, MT/ha



Mean piece weight, grams



## Economical evaluation

Economic evaluation	Agrocote Max	DMPP
Marketable yield, MT/ha	28.8	27.8
Gross income, €/ha	14,608	13,684
Extra cost of ICL treatment (vs. DMPP), €/ha	50	
Extra income/ha (vs. DMPP), €/ha	874	

*Economic evaluation was calculated based on REO prices*

## Conclusions

By using Agrocote Max, the nitrogen losses reduced significantly, increasing marketable yield by 4%.

Agrocote Max showed significant difference in both mean piece weight and total marketable yield. In addition, the percentage of Flandria quality and 3-4 class also increased. These improvements, in both size and quality, led to a positive ROI.

With Agrocote Max, an extra income of 874 €/ha was achieved vs nitrification inhibitor based products (DMPP).

*Attention: Recommendations in this trial info sheet are based on local soil and/or water analyses. Please contact your local ICL adviser for your personalized fertilizer recommendation. Consult [www.icl-sf.com](http://www.icl-sf.com) for your contact in the region.*



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