



AGROCOTE®
Trial

Leek *(Allium porrum)*
On Humus-rich sand

ICL Agrocote is a 100% coated Nitrogen product that provides crops with a continuous release of Nitrogen throughout the growth cycle of the crop.

N	44%
P	0% P_2O_5
K	0% K_2O

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ego.X Release Technology · N COATED · 1-2

When

- Planting: 11 August 2023
- Harvest: 14 April 2024

Where

Germany, Kandel, Rhineland-Palatinate

Crop

Leek (Allium porrum)

Soil type

Humus-rich sand

Measurements

- Yield
- NUE

Objective

Evaluate the performance of Agrocote 44-0-0, 1-2M, 100% coated N (eqo.x release technology) in high nitrogen demanding leek crop, comparing to stabilized nitrogen fertilizer (SN26).

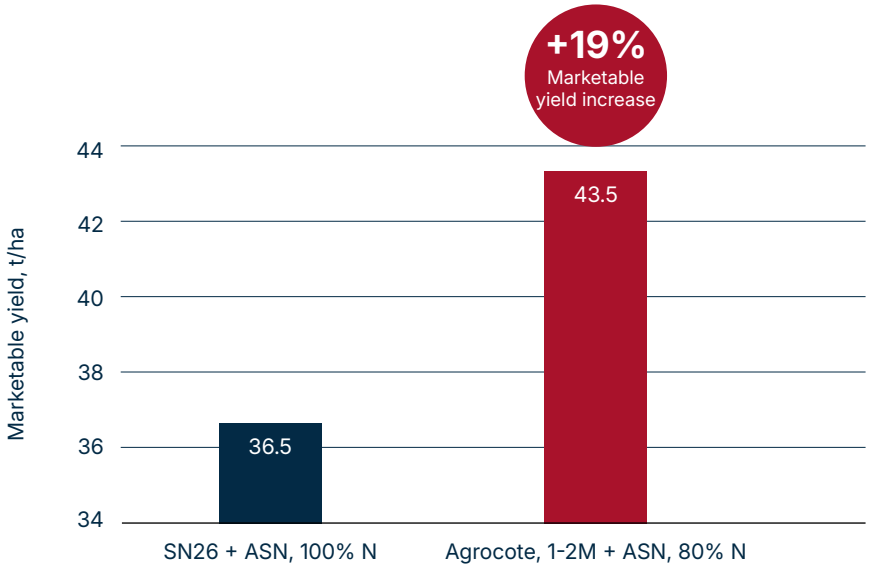
Trial set-up

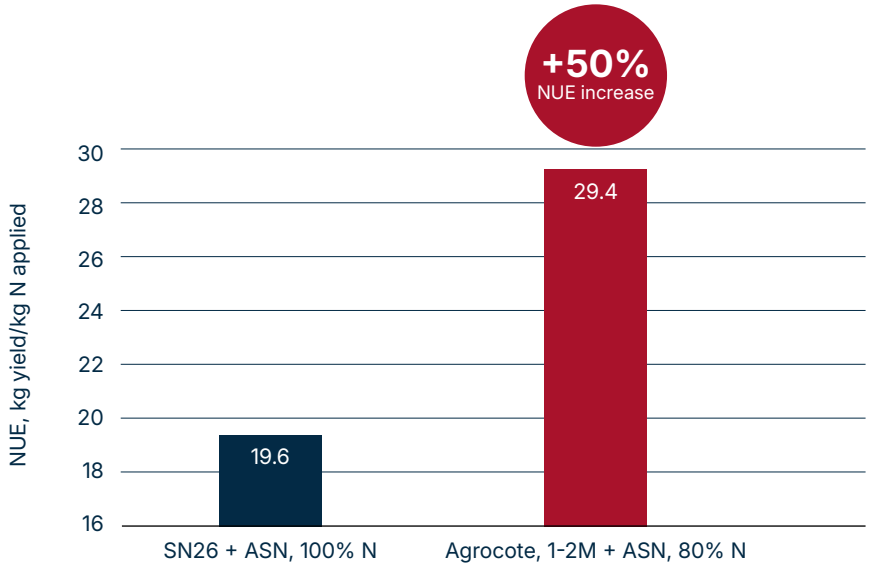
Randomized block design, 4 repetitions

Treatments

Treatment	Number of applications	N applied, kg/ha
SN26 + ASN, 100% N rate	3	186
Agrocote 44-0-0, 1-2M + ASN, 80% N rate	2	148

Results





Key conclusion

Application of Agrocote 1-2M with reduced nitrogen rate (80% N) in autumn resulted in 19% higher yield comparing to Stabilized nitrogen fertilizer (SN26) with 100% N rate, and 50% higher NUE.

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