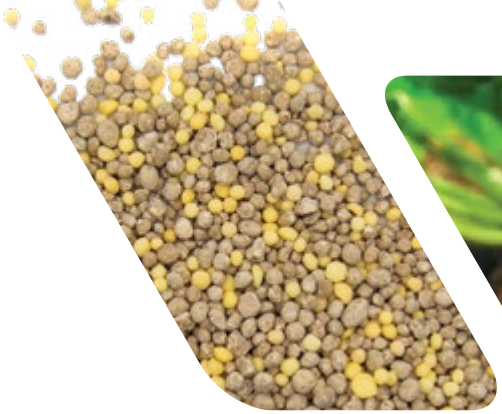



AGROMASTER®

Trial results

Sugar beets

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 controlled release technology with immediately available nutrients to give you optimum ease of use and outstanding results.

N	20%
P	10% P_2O_5
K	5% K_2O

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When

Sowing date:
- Coreses: 13/04/2024
- Cabezón: 21/03/2024
- Roperuelos: 11/04/2024

Harvest date:
- Coreses: 02/10/2024
- Cabezón: 30/09/2024
- Roperuelos: 07/11/2024

Where

Spain
- Coreses / Zamora
- Cabezón de Pisuerga / Valladolid
- Roperuelos del Páramo / León

Crop

Sugar beets, varieties
- Coreses: *Annedora KWS*
- Cabezón: *Miguella KWS*
- Roperuelos: *Smart Materia KWS*

Soil info

- Coreses: pH 8.5, organic matter 1.3%
- Cabezón: pH 8.3, organic matter 1.44%
- Roperuelos: pH 6.7, organic matter 1.7%

Measurements

- Total yield
- Sugar production

Objective

Evaluation of the efficacy of different fertilizers and doses compared to a traditional fertilizer in sugar beet.

Trial set-up

Randomized block design, plots 6 × 6 (36 m^2), four repetitions.

Treatments

Coreses and Cabezón:

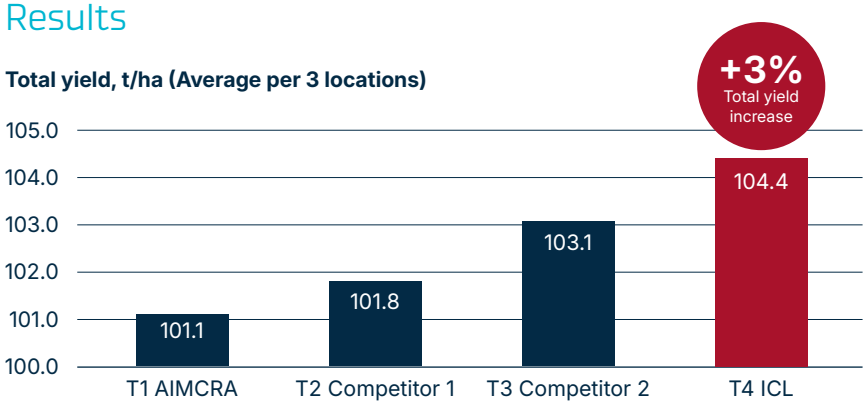
Treatment	Number of treatments	N applied, kg/ha	P_2O_5 applied, kg/ha	K_2O applied, kg/ha
T1 Recommendation AIMCRA	2 (base + top-dressing)	180	55	0
T2 Competitor 1	2 (base + top-dressing)	362	70	56
T3 Competitor 2	2 (base + top-dressing)	178	50	95
T4 ICL (Agromaster 20-10-5, 44% coated N)	1 (base)	200	100	50

Roperuelos:

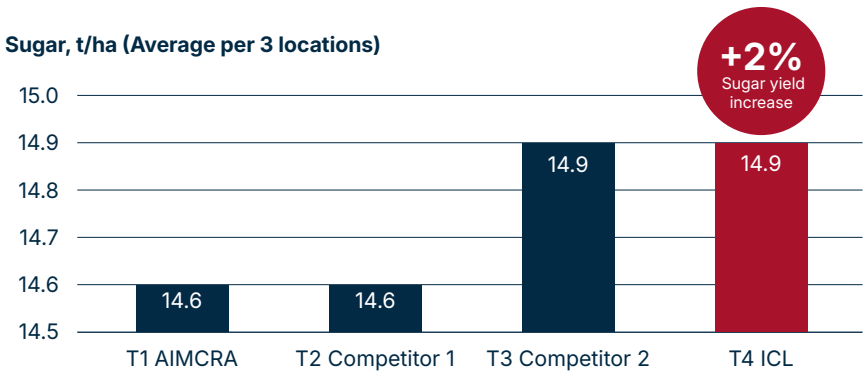
Treatment	Number of treatments	N applied, kg/ha	P_2O_5 applied, kg/ha	K_2O applied, kg/ha
T1 Recommendation AIMCRA	2 (base + top-dressing)	141	50	50
T2 Competitor 1	2 (base + top-dressing)	367	80	64
T3 Competitor 2	2 (base + top-dressing)	140	59	113
T4 ICL (Agromaster 18-8-16, 50% coated N)	1 (base)	198	88	176

Results

Total yield, t/ha (Average per 3 locations)



Sugar, t/ha (Average per 3 locations)



Key conclusions

On average, with only one base application, Agromaster performed better than the competitors and showed 3% total yield increase and 2% sugar yield increase comparing to the standard fertilizers.

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