

KREOTEC

Trial in Barley, Spain:
Yield Increase

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STUDY DETAILS

Crop:	Barley
Country:	Spain
Year:	2020
Product(s):	Kreotec
Trial Type:	Replicated



STUDY AIMS

Study Aims	<ul style="list-style-type: none"> To evaluate the effects of Kreotec on the growth and yield of a barley crop, comparing a standard fertiliser program with and without applying Kreotec. Evaluate if there are any adverse effects of applying Kreotec to the target crop.
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TREATMENTS

Treatments:	Control (Nil Kreotec applied) Kreotec applied at 200g/ha
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RESULTS

Harvest Date:	15th June 2020
Harvest Method:	ZURN 110 mini harvester

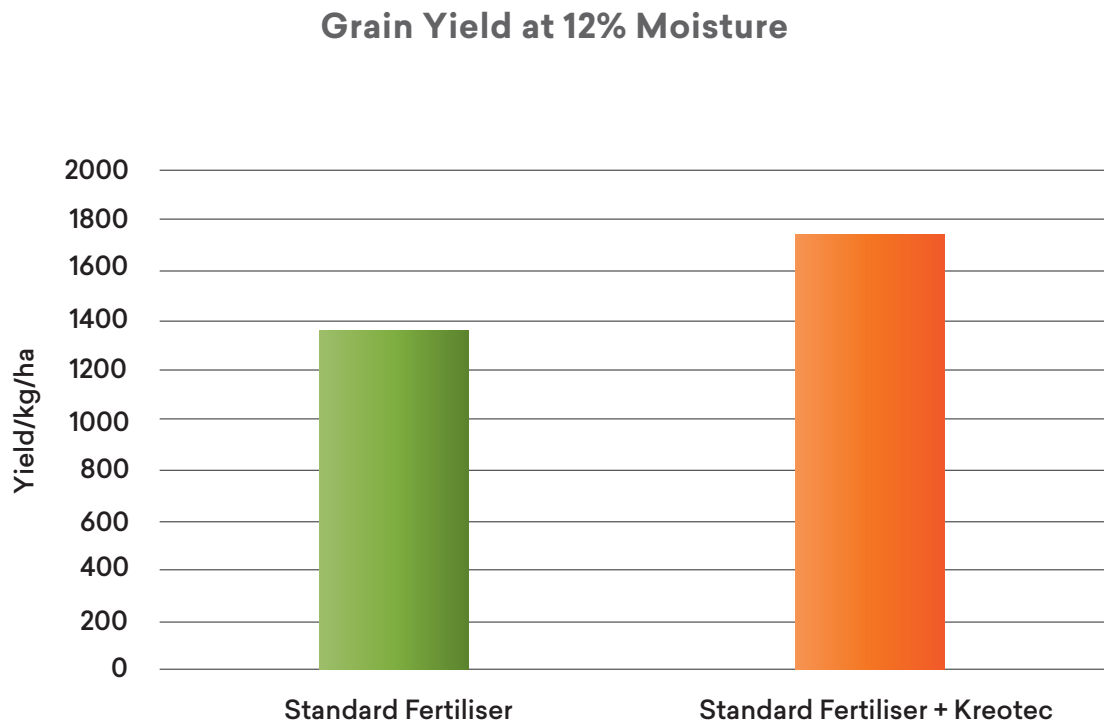
SPECIFICS

Specific Location:	Northeast Spain, municipality Torroella de Fluvià (Girona)
Specific Trial Dates:	11th December 2019 – 15th June 2020
Trial Manager:	Anadiag Iberica, SL
Distributor:	Symborg
Irrigation:	Nil
Previous Crop:	Unknown
Basal Fertiliser:	1000kg/ha (NPK 6-8-8) applied at sowing (11th December 2020)
Kreotec Application Date:	17th February 2020
Application Growth Stage:	BBCH14-16
Application Method:	Calibrated Honda WRJ2525 backpack sprayer
Kreotec Application Rate:	200g/ha
Water Rate:	Unknown
Crop Variety:	Basic
Previous Treatments	Ploughed prior to sowing

SOIL TEST RESULTS

Soil Type:	Sandy Loam (47.6% sand; 22.9% silt; 29.5% clay)
Organic Carbon (W&B):	2.41%
pH (water):	8.0
Nitrogen (mg/kg):	11.2
Phosphorus Olsen (mg/kg):	12.9

FIGURE 1: GRAIN YIELD



KEY FINDINGS

- According to the test conditions, it can be concluded that the application of Kreotec under standard barley crop management conditions showed a statistically significant increase in production compared to the untreated control. Grain yield in Kreotec treated plots resulted in a 27% yield increase over the untreated plots.
- Plots treated with Kreotec also showed a slight increase in crop vigour from the flowering stage however this was not statistically different.
- There was no variation in grain moisture and specific weight between treatments
- No crop phytotoxicity was observed with any treatment

Additional information in relation to this trial is available by contacting Thinkbio

Thinkbio would like to acknowledge the work undertaken by Anadiag Iberica, SL