

KREOTEC

Trial in Maize, Italy: Reduced Nitrogen Application

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STUDY DETAILS

Crop:	Maize
Country:	Italy
Year:	2020
Product(s):	Kreotec
Trial Type:	Non-Replicated side by side Comparison / Demonstration - 1ha Strips



STUDY AIMS

Determine if Kreotec can replace 90kg N/ha (200kg/ha of urea) in a maize production system

TREATMENTS

Treatments	Treatment 1: Farm Standard: 300kg N/ha (applied as urea (46%N pre-sowing))
	Treatment 2: Kreotec: 210kg N/ha (applied as urea (46%N) pre-sowing) + Kreotec (30% reduction in applied nitrogen)

SPECIFICS

Specific Location:	Calderara di Reno(Bologna) Italy
Specific Trial Dates:	2020
Trial Manager:	Dr.Luigi Donini (technical farm consultant)
Distributor:	n/a
Irrigation:	no
Previous Crop:	Soybean
Kreotec Application Date:	30th April 2020
Application Growth Stage:	6 leaf
Application Method:	Boom Spray
Kreotec Application Rate:	200g ha
Water Rate:	300l/ha
Crop Variety:	NK Agrano

TABLE 1: YIELD

Treatment	Yield
Treatment 1: Farm Standard	14.9t/ha
Treatment 2: Kreotec Demo	14.8t/ha

RESULTS

Harvest Date:	29th August 2020
Harvest Method:	Combine Harvester

KEY FINDINGS

The Kreotec treatment yielded similar to the farm standard but saved 200kg/ha of urea plus application costs

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

Thinkbio would like to acknowledge the work undertaken by Dr Luigi Donini