

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	<p>Treatment 1: Farm Standard: 300kg N/ha (applied as urea 46%N) (50% pre-emergence; 50% early post emergence)</p> <p>Treatment 2: Kreotec: 210kg N/ha (applied as urea 46%N) + Kreotec 30% reduction in applied nitrogen</p>
Urea Application Timing:	50% pre-emergence and 50% early post-emergence

SPECIFICS

Specific Location:	29010 Sarmato – Piacenza-Italy
Specific Trial Dates:	2020
Trial Manager:	Fabrizio Falaguasta(technical opinion leader)
Distributor:	n/a
Irrigation:	yes
Previous Crop:	maize
Kreotec Application Date:	16th May 2020
Application Growth Stage:	6-8 leaf
Application Method:	Spray boom
Kreotec Application Rate:	200g/ha
Water Rate:	300 l/ha
Crop Variety:	DKC 6309

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