



KREOTEC

Trial in Sunflower, Italy:
Reduced Nitrogen Application

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STUDY DETAILS

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

TREATMENTS

Treatments	Treatment 1: 200kg/ha Urea (46% N) only
	Treatment 2: 100kg/ha Urea (46% N) + Kreotec

STUDY AIMS

To determine if the application of Kreotec can replace 100kg/ha of urea and produce similar yields.



SPECIFICS

Specific Location:	40012 Calderara di Reno (Bologna)-Italy
Specific Trial Dates:	2020
Trial Manager:	Dr. Luigi Donini(consultant agronomist)
Distributor:	n/a
Irrigation:	no
Previous Crop:	Wheat
Pre-Sowing Fertiliser:	NPK 5-15-30 at 100kg/ha
Kreotec Application Date:	19th April 2020
Application Growth Stage:	6 Leaf
Application Method:	Boom Spray
Kreotec Application Rate:	200g/ha
Water Rate:	250 l/ha

TABLE 1: YIELD

Treatment	Yield
Treatment 1: 200kg/ha Urea	4.42 t/ha
Treatment 2: 100kg/ha Urea + Kreotec	4.60 t/ha

RESULTS

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

KEY FINDINGS

- The Kreotec treatment yielded slightly higher than the full urea rate treatment
- Kreotec successfully substituted 100kg/ha of urea with no negative impact on yield.

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

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