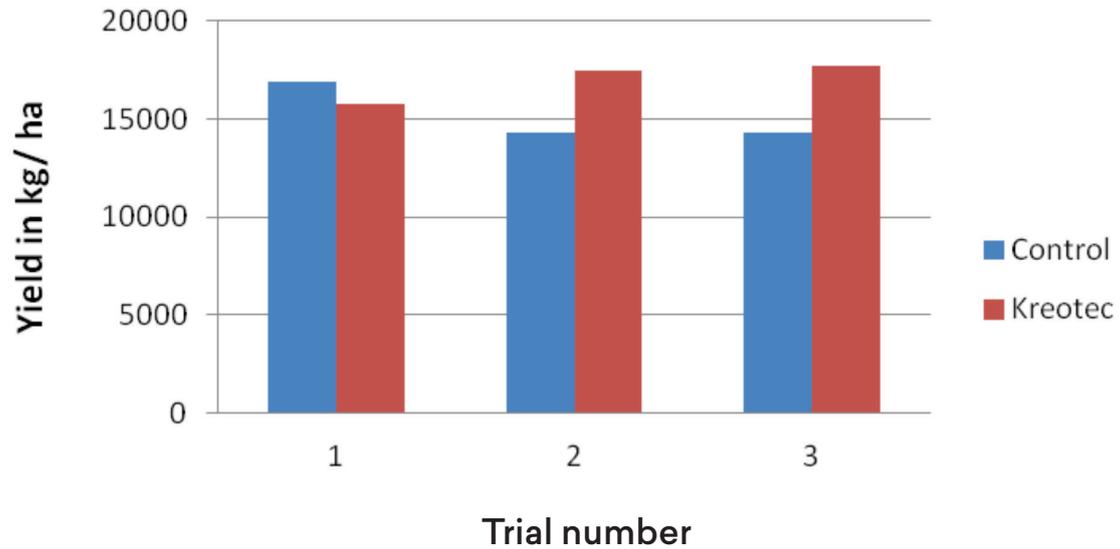


TRIAL SUMMARY

LONG CYCLE CORN

Product	KREOTEC
Country:	Huesca, Spain 2018
Organised by:	Symborg
Trial Design:	<p>Kreotec was applied at a dose of 450g / ha by foliar application with a 40% reduction in nitrogen fertilization. The results were compared with a conventional fertilization treatment. Design was made choosing a plot for each treatment. The foliar application was carried out with a sulfate machine with 250-350 liters of broth per hectare when the plant was in the stage 4-8 leaves.</p>
Crop:	Corn, Variety 40F
Application:	Kreotec, Foliar spray
Objectives:	<ol style="list-style-type: none">1. Evaluation of Kreotec on corn cultivation subjected to a dose of nitrogen fertilization of 60% of conventional fertilization.2. Evaluation of parameters such as Spad, cfu per gram of leaf and yield of the harvest.3. Monitoring of vegetation indexes through drone photos.
Results:	<ol style="list-style-type: none">1. Kreotec has an efficient application in the cultivation of corn and persistence of the microorganism in the plant during cultivation. Kreotec maintains a level of SPAD (Chlorophyll), plant health and plant canopy density equal to the control (conventional fertilization).2. With respect to yield, Kreotec contributes 40% of the total nitrogen fertilizer units that were reduced in covert fertilization and provides an increase in production of between 21 and 28%.3. As the plants only had one ear per plant, this increase would be linked to the specific weight of the grain and / or number of ears.

Comparative analysis of traditional fertilisers and Kreotec on long cycle corn yield



Treatment

	Treatment Name	Concentration	Units	Format	Units	Comments
Trial 1	Kreotec	2,2 x10 ⁶	Cfu/gr	Powder	450 gr/ha	60% conventional Fertilization
Trial 2	Kreotec	2,2 x10 ⁶	Cfu/gr	Powder	450 gr/ha	61% conventional Fertilization
Trial 3	Kreotec	2,2 x10 ⁶	Cfu/gr	Powder	450 gr/ha	60% conventional Fertilization

Yield

	Yield (Kg/ha)		Increase % (kg/ha)
	Control	Kreotec	Kreotec
Trial 1	16881	15777	-6,5
Trial 2	14346	17474	21,8
Trial 3	14312	17751	24