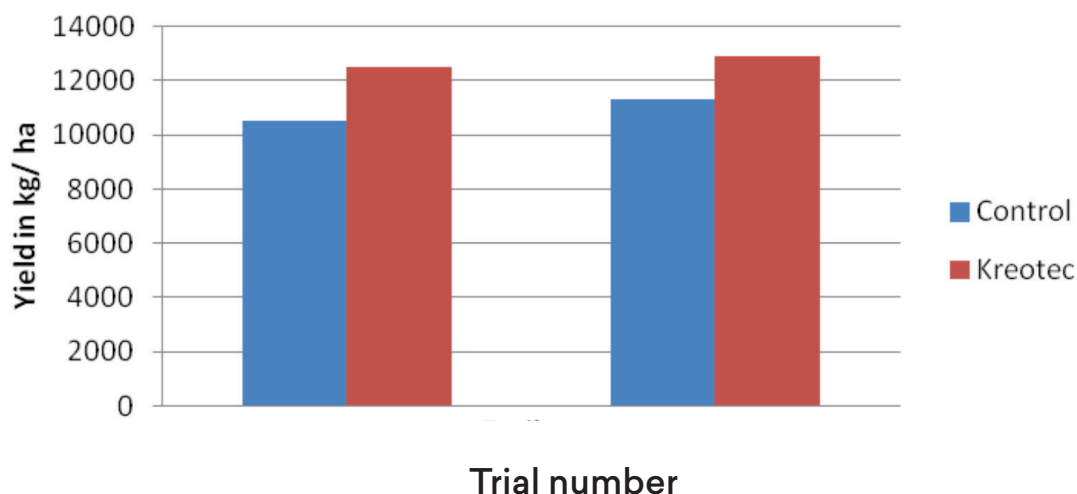


TRIAL SUMMARY

SHORT CYCLE CORN

| | |
|----------------------|--|
| Product | KREOTEC |
| Country: | Albacete & Huesca, Spain 2018 |
| Organised by: | Symborg S.L. |
| Trial Design: | <p>The trial was carried out in Spain, in two different locations: location 1 Albacete, location 2 Huesca. Kreotec was applied at a dose of 450g / ha by foliar application with a 30% reduction in nitrogen fertilization. The results were compared with a conventional fertilization treatment.</p> <p>A 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 4-8 leaves stage.</p> |
| Crop: | <p>Corn (short cycle)</p> <p>Variety DKC 5032 YG and Guasi</p> |
| Application: | <p>Kreotec</p> <p>Type of product: Wettable powder Foliar application.</p> |
| Objectives: | <ol style="list-style-type: none"> 1. Evaluation of Kreotec on corn cultivation subjected to a dose of nitrogen fertilization of 70% 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 satellite photos. |
| Results: | <ol style="list-style-type: none"> 1. Kreotec maintains a level of SPAD (Chlorophyll), plant health and plant canopy density equal to the control (conventional fertilization). 2. The harvest obtained is within the harvest ranges of years prior to the year of the trial 3. Kreotec supplies the 40% lack of nitrogen fertilization. |

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



| | Control and Kreotec | Control | Kreotec | Control | Kreotec |
|---------|--|---|--|-----------------------------------|--------------|
| | Basal dressing NFU/ha (% total) | Top dressing NFU/ha (%total) | Top dressing NFU/ha (%total) | NFU/ha total | NFU/ha total |
| Trial 1 | 115 kg N/ha (50%) 250kg (46-0-0) Urea | 115 kg N/ha (50%) 250kg (46-0-0) Urea | 46 kg N/ha (20%) 100kg (46-0-0) Urea | 230 (100%) 100kg (46-0-0) Urea | 161 (70%) |
| Trial 2 | 56 kg N /ha (20%) 700kg (8-14-14) NPK | 220 kg N /ha (80%) 5500kg (40-0-0) Nitronova | 132 kg N /ha (48%) 330kg (40-0-0) Nitronova | 276 (100%) | 188 (68)% |

Plot distribution treatments

| Trial | Name of the treatment | Concentration | Units | Format | Dose | Units | |
|-------|-----------------------|----------------------|--------|--------|------|-------|-------------------|
| 1 | Kreotec | 2,2 x10 ⁶ | Cfu/gr | Powder | 450 | Gr/ha | 70% fertilization |
| 2 | Kreotec | 2,2 x10 ⁶ | Cfu/gr | Powder | 450 | Gr/ha | 68% fertilization |