

STRATEGIES TO INCREASE CORN CROP YIELD

With the purpose of increasing corn crop yield in Rojas, different fertilization strategies were evaluated. **Surcostart** was combined with other source of phosphorus, which was broadcast applied, so as to take advantage of the benefits of **Surcostart** rapid availability of phosphorus, ease of use and nutrients balance, and generate an additional phosphorus contribution to the plot through the application of another source through broadcast.

TREATMENTS

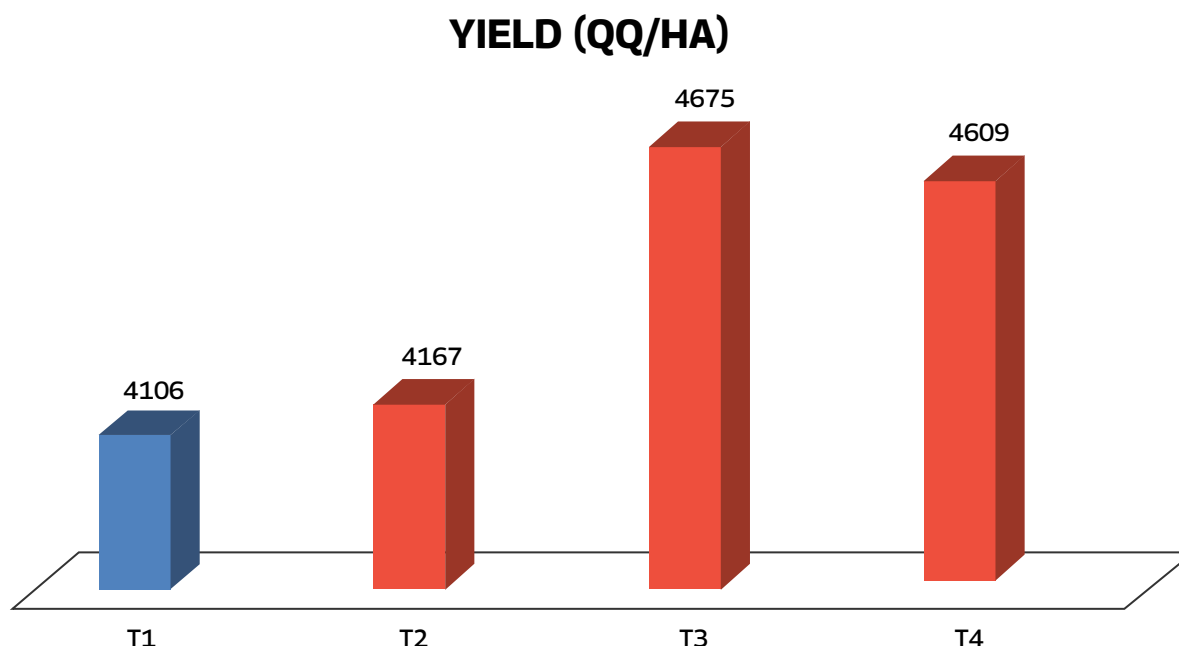
T1: 120 kg/ha chemical mix (10% N - 40% P - 9% S - 1% Zn)

T2: 35 kg/ha **Surcostart**

T3: 20 kg/ha **Surcostart** + 50 kg/ha MAP broadcast application

T4: 20 kg/ha **Surcostart** + 100 kg/ha MAP broadcast application

All the treatments were conducted at sowing. 350 kg/ha of urea were used for fertilization in treatments.



RESULTS

- › No differences were observed between treatments T1 and T2, which proves that, by contributing an equal amount of available phosphorus, similar yields were achieved.
- › In treatments that involved **Surcostart** complemented with broadcast applied MAP, yield is increased by more than 12%, therefore exceeding by 500 kg/ha treatments T1 and T2.
- › **Surcostart** combined with MAP allows reaching maximum yields and improving crop implantation through a strategy aimed at improving plot fertilization.