



## Corn: Chelal Zn

### Objective of the trial

Increasing grain corn yield on a 2 ha demonstration plot, with a foliar application of Chelal Zn.

### General information

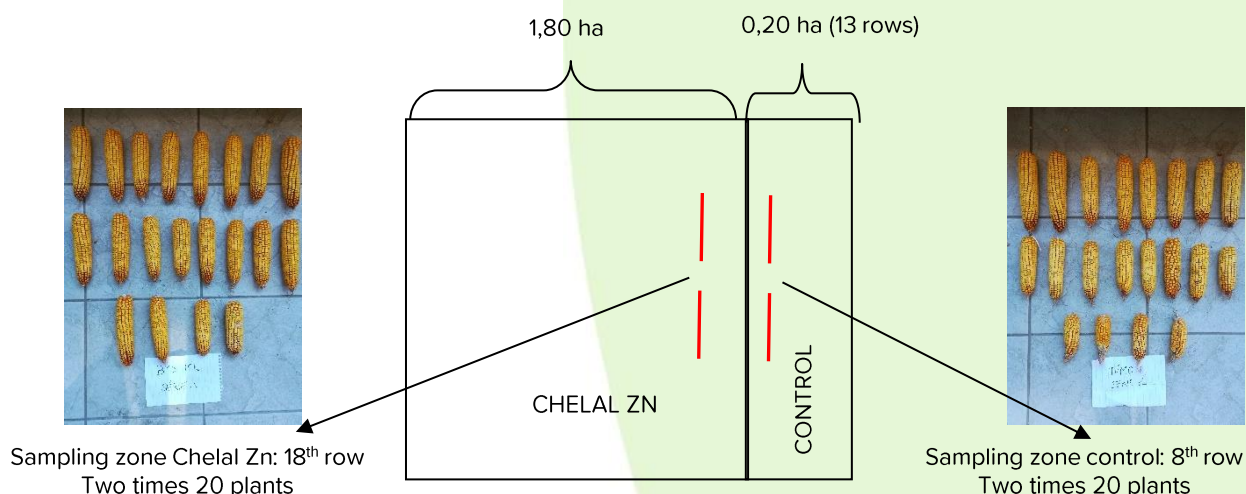
#### Conditions of the trial:

Trial location: France – Rhône-Alpes  
In cooperation with: Terre d'Alliances  
Variety: P9486 (Pioneer)  
Sowing date: 15/04/2018

### Treatments

2 modalities:

- **Untreated control**
- **BMS MN:** 1,80 ha was treated with Chelal Zn (2,7 L/ha) on May 19, 2018 when the plant had 6 to 8 leaf. Application done in combination with the herbicide application (Nico Star and Imotep)



### Results

Modality	Average gross weight of the cobs (g)	Average weight of the kernels per cob (g)	1000-kernel weight (g)	Estimation of yield per hectare (kg)**
Control	125.3 (a*)	110.2 (a*)	290	11,518
BMS MN	155.3 (b*)	137.5 (b*)	283	13,057

\* Independent Samples T-test

\*\*95 000 plants/ha

**Conclusion:** The estimated yield per hectare based on the total kernel weight of 20 plants shows a **13% increase**. The yield component that has been improved is probably the number of kernels per cob, knowing that the 1000-kernel weight has not been increased by the use of Chelal Zn.