

# Boron in Corn



## Study Details

Date: April 25, 2011 – October 30, 2011

Location: Yongji, Jilin, China

Soil: Alluvial, 2.21% organic substance, 205 mg/kg total nitrogen, 97 mg/kg available phosphor, 98 mg/kg available potassium, pH = 5.6

Crop variety: Xianyu 335

Fertilizers: Water soluble boron fertilizer with B  $\geq$  10%, Zn  $\geq$  10%, mixed fertilizers (28-8-16,  $\geq$  52%), 400 g per mu was spread in the soil when the maize seeds were sowed together with routine fertilization

Trial design: 2 treatments, 4 replications, plot area of 40 m<sup>2</sup>

## Results

At the application rate of 400 g/mu after routine fertilization:

- Yield was increased by 7.9% as compared with the mixed fertilizer containing Zn
- Yield was increased by 8.3% as compared with application of mixed fertilizer containing no Zn