

Boron in corn: Central Java, Indonesia



Study details

Date: October 2011 – February 2012

Location: Central Java, Indonesia

Fertilizers: NPK (15% N, 15% P₂O₅, 15% K₂O), urea, *Fertibor*[®] (4kg/ha)

Trial design: Block size of 1000 m² , ridge size of 2.5 m width and 20 m length, 0.5 m space between ridges, planting space of 20 cm x 70 cm

	Block 1	Block 2
First fertilizer application (before planting)	50 kg/NPK	50 kg/NPK
Second fertilizer application (11/2011)	75 kg/NPK	75 kg/NPK + 500 g/ <i>Fertibor</i>
Third fertilizer application (12/2011)	50 kg/NPK + 25/kg urea	50 kg/NPK + 25 kg/urea
Estimated yield of dry grain (ton/ha)	8.59	9.24
Moisture-grain harvested (%)	27	26.5

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Results

7.57% yield increase

56 days after planting

Increase in chlorophyll index (SPAD) and pollination



101 days after planting

Increase in yield and moisture

