

Boron in Corn

Date: 10/2011 – 02/2012

Location: Central Java, Indonesia

Crop variety: DK-85

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
1 st Fertilizer application (before planting)	50 kg NPK	50 kg NPK
2 nd Fertilizer application (11/2011)	75 kg NPK	75 kg NPK + 500 g <i>Fertibor</i> [®]
3 rd 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

Results: Yield increase of 7.57%

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56 days after planting:
increase in chlorophyll index (SPAD) and pollination



101 days after planting:
increase in yield and moisture

