

Boron in Corn



Study Details

Date: 2004

Location: Weakley County, Tennessee, USA

Soil: Loring soil loam, P ppm 42, K ppm 130, pH 4.9, CEC 9.6, organic matter 0.8%

Fertilizers: Borax blended with MOP at 0 and 1.5 lbs B/ac

Trial design: Randomized complete block design with 6 replications and 2 treatments

Results

A significant increase in yield was found with 1.5 lbs B/ac applied as Borax (sodium tetraborate decahydrate)

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Average Corn Yield, Meh 3 Soil Boron, and Leaf Tissue Boron

Treatment (lbs B/acre)	Yield (bu/acre)	Meh 3 B (ppm)	Plant Tissue (ppm)
0	156 a	0.47	7.2
1.5	169 b	0.55	8.0
Significance	0.05		