Effect of Foliar Spray of Ethrel and Boron on Growth, Drymatter and Yield of Groundnut

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ABSTRACT

A field experiment was conducted during the *kharif* season of 2011-2012, at agricultural college farm, Bapatla, Andhra Pradesh to evaluate the effect of foliar application of ethrel and boron on growth, and yield of groundnut. The experiment was laid out in a randomized block design with ten treatments comprising sprays of ethrel (400 ppm), borax (0.25%) at 25 and 45 days after sowing alone and in combinations with three replications. The results revealed that foliar application of ethrel @400 ppm + boron @0.25% at 25 & 45 DAS significantly increased the plant height (59.2 cm), number of branches (43.0) number of leaves (49.9), number of flowers (36.6), leaf area (1768 cm^2) and total drymatter (43 g) over control (33.1 cm, 31.2, 30.3, 22.6, 911.3 cm^2 and 24.8g respectively). The spray of Ethrel (400ppm) + Borax (0.25%) at 25 and 45 DAS resulted in higher yield (36.3 %) over control (1980 kg/ha)

Key words: *Boron, Drymatter, Ethrel, Foliar application, Growth, Yield.*