BOOK OF ABSTRACTS

EUROPEAN
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Esringü, Aslıhan

- Effects of Different Boron Application Method and Doses on Yield and Chemical Composition of Wheat (Triticum Aestivum L.)

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Abstract

Boron (B) deficiency is widespread in the Anatolia region of Turkey. This could impact production and quality of wheat genotypes (Triticum aestivum L.). Greenhouse experiment was conducted to study yield and quality response of 2 cultivars (Bezostiya and Kırik) to B addition (0, 1, 3 and 9 kg B ha-1) with 4 different B applications (seed were contacted with dry B fertilizer, soil application, seed were soaked in the B solution waited 2h, and foliar fertilizer application) methods. Both B application doses and application method caused the plant growth parameter and nutrient uptake. We conclude a B addition of 4 kg ha-1 is sufficient to elevate soil B levels to non-deficient levels. Similar studies with different soils and initial soil test B levels are needed to conclude if these critical soil test values and OEBR can be applied across the region.

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