

Influence of Micro Nutrients on Fruit quality of Ber

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ABSTRACT

An experiment was carried out to study the effect of certain micronutrients on fruit quality of Ber cv. Umran at village Manda Bhinda near Jaipur district (Rajasthan) during the year 2005-06. The experiment was laid out in a randomized block design with ten treatment combinations involving three levels of FeSO₄, Fe-EDTA and borax (FeSO₄ and FeEDTA 20, 30 and 40g plant⁻¹, respectively and borax 10, 20 and 30 g plant⁻¹) except control. The higher level of FeEDTA (40 g plant⁻¹) increased the fruit parameters i.e. length of fruit (4.88 cm), width of fruit (3.98 cm), fruit weight (32.74 g), pulp weight (30.77 g), stone weight (1.97 g) and pulp to stone ratio (15.61). It also produced favourable effect on fruit quality in terms of TSS (18.20%), ascorbic acid (102.08 mg 100g⁻¹) and non-reducing sugars (3.84%), whereas in terms of reducing sugars (7.02) the higher level of borax (30 g plant⁻¹) and in acidity (0.220%) FeEDTA 30 g plant⁻¹ gave significantly better results compared to rest of the treatments.

Key words : Ber, Borax, FeEDTA, FeSO₄, Micronutrients