

Influence of micronutrient spray on flowering, yield, quality and nutrient content in leaf of mango cv. KESAR

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ABSTRACT

An experiment was conducted at Agriculture Experimental Station, Paria (Gujarat) on influence of micronutrient spray on flowering, yield, quality and nutrient content in leaf of mango cv. KESAR and found that the lower level of $ZnSO_4$, $FeSO_4$ and borax in combination had influenced flowering in terms of minimum days taken to 50% flowering and increased length of panicle compared to other treatments and control. The treatment $ZnSO_4$ 1% + $FeSO_4$ 1% + borax 0.5% significantly increased the number of fruits per tree, average fruit weight and yield per tree. It also produced favourable effect on fruit quality in terms of TSS, total sugars, reducing sugar and ascorbic acid. There was no significant effect on the acidity (%) and non reducing sugar (%) due to any of the micronutrient either alone or in combinations. In case of nutrient status in mango leaves, Zn content was found to be higher in $ZnSO_4$ 2% + $FeSO_4$ 2% treatment, while iron and boron content were the maximum in $ZnSO_4$ 2% + $FeSO_4$ 2% + Borax 1% in the leaves of mango cv. KESAR.

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