



Research Paper

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Response of different levels of farm yard manure and boron on growth and yield of bael (*Aegle marmelos* Corr.)

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ABSTRACT : A field experiment was conducted to study the effect of farm yard manure (FYM) and boron on growth and yield of Bael (*Aegle marmelos*) during, 2011-12. The results revealed that application 100 kg FYM significantly increased plant growth. Maximum fruit yield and its parameters recorded maximum viz., fruit weight (971.83 g), fruit yield (20.40 kg) and number of fruit (23.0) however, fruit cracking (4.41 %) was recorded minimum with application of 50 kg FYM. Quality parameters like TSS, sugar and ascorbic acid were also found maximum under this treatment. Application of foliar spray of borax 0.6 per cent was significantly increased fruit weight (962.0 g) and fruit yield (21.21 kg). Whereas, minimum fruit cracking (2.14 %) and peel thickness (2.41 mm) were also observed with application of 0.6 % borax. This treatment also improved quality parameters of fruit. The combined effect of FYM (50 kg tree⁻¹) and foliar spray of borax 0.6 per cent was found significant pertaining to gain in tree height (49.20 cm), stem girth (2.75 cm), fruit weight (980.0 g) and fruit yield (36.34 q/ha) compared to control.

KEY WORDS : Bael, Borax, FYM, growth, Yield, Interaction

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