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Growth and yield response of water melon (*Citrullus lanatus* var. lanatus) under drip fertigation

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■ **ABSTRACT** : A field experiment was conducted during 2016-17 at the experimental farm of PFDC, Kharagpur, India to investigate the effect of different levels of fertigation on the water melon growth and yield. The F1 hybrid water melon was planted in a 0.5 x 0.5 m spacing and drip irrigated with a row of drippers. Treatment consisted of of 5 levels (120,100,80,60,40%) with the Statistical Design Randomized Block with 4 replications. The growth and yield were increased with levels of fertigation at a maximum 32.75 and 29.25 t/ha with 100 and 80% of fertigation, respectively compared to 40% of fertigation.

■ **KEY WORDS** : Water melon, Drip irrigation, Water soluble fertilizers, Drip fertigation

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