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Influence of different sowing dates on plant growth and yield of hybrid sweet corns

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ABSTRACT : A field experiment was conducted at Tansa Farm, ASPEE Agricultural Research and Development Foundation, Maharashtra during *Rabi* season of 2015-16 and 2016-17 to study the effects of different sowing time on different sweet corn varieties. The experiment was laid out in Randomized Block Design with twelve treatment combinations having four sowing dates *viz.*, 15th December, 30th December, 15th January, 30th January and three hybrid sweet corn varieties *viz.*, Hibrix 39, Madhu 5 and Sugar 75. The seed was sown at 30cm x 15cm distance having net plot size 6.6 m x 4.5 m with three replications. Observations on plant height, cob length, cob weight, number of seeds/cob, test weight of 1000 grains and grain yield were recorded and data were statistically analysed using appropriate method. All quantity traits were promising when the sowing was carried out on 15th December. Further delay of the sowing had negative effects on the performance of sweet corn varieties. Hybrid sweet corn var. Sugar 75 proved to be which recorded higher grain yield of 2616 kg ha⁻¹ in pooled study when sowing was done on 15th December, over remaining two varieties *viz.*, Hibrix 39 and Madhu 5.

KEY WORDS : Sowing dates, Sweet corn, Sugar-75, Yield

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