

Response of different date palm cultivars to varying concentration of ethephon on yields and yield attributing characters

R.K. Meena¹, P.K. Yadav¹, R.S. Singh¹, H.R. Meena³, C.L. Meena¹ and Mukund Narayan²

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ABSTRACT : The study revealed that the maximum fruit size (length, breadth and volume) was observed in variety Halawy. The highest number of fruits per strand, number of bunches per tree and bunch weights were recorded highest under variety Zahidi. But yield was observed maximum in variety Halawy (per tree). The number of days in attaining fruit colour after colour breaking stage was counted minimum in Zahidi and maturity in Halawy. The fruit length, breadth and volume were found maximum under the treatment of ethephon at 1000 ppm when it was applied after colour breaking stage. The application of ethephon also produced more bunch weight and yield per tree. The less number of days in attaining fruit colour and maturity were counted minimum under the concentration of 1000 ppm than the control and other concentrations employed.

Key Words: Ethephon, varieties, phosphorus, chlorophyll, magnesium, fruit quality.