

Evaluation of optimum time of sowing of finger millet (*Eleusine coracana* G.) varieties in Karaikal region

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ABSTRACT

A field experiment was carried out at Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Karaikal, during June to September 2007 to evaluate the optimum time of sowing of finger millet varieties in Karaikal region. The experiment was conducted in Factorial Randomized Block Design with three replications. The treatment combination consisted three varieties (TRY 1, CO 13 and CO 14) and six transplanting dates at weekly intervals (May 17th, May 24th, May 31st, June 14th and June 21st). The results revealed that plant height, dry matter production and length of finger were higher in CO13 when compared to other varieties. However, the other parameters such as number of ear hill⁻¹, thousand grain weight and harvest index were maximum with TRY 1. Among the three varieties, TRY 1 recorded the highest grain yield of 1579 kg ha⁻¹ followed by CO 13 (1331 kg ha⁻¹). Among the dates of planting crop planted on May 17th produced highest grain yield of 1827 kg ha⁻¹. Hence, for achieving increasing yield in finger millet choice of variety (TRY 1) and planting window (May 17th) played a key role.

Key words : Finger millet, time of sowing, Varieties, Growth, Yield

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