

# Effect of Spacing and Size of Planting Material on Yield and Yield Component of Turmeric

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**Abstract**—Field experiment was conducted at H. R. S. Mondouri, BCKV, WB to determine the effect of spacing and size of planting material on yield and yield component of turmeric, grown as inter crop in coconut garden. Among the five different spacings and two rhizome sizes, Maximum weight and breadth of both primary and secondary fingers were observed with widest spacing (30 x 25 cm) as compared to closest spacing (20 x 15 cm). The number, weight and dimension of both primary and secondary finger were more with higher seed rhizome (30-35 g) as compared to smaller one (20-25 g). Both weight (531.2 g) and length (18.07 cm) of clump were maximum in the plant grown with widest spacing (30 x 25 cm). Combination of spacing and size of seed rhizome at P2S2 (20 x 20 cm, 30-35 g) level recorded maximum yield per plot (18.39 kg/3m<sup>2</sup>) as compared to minimum yield (12.34 kg/3m<sup>2</sup>) from P5S1 (30 x 25 cm, 20-25 g) level.

**Keywords:** Turmeric, seed rhizome size, spacing, yield.