

Effect of planting ratios on seed quality parameters of sorghum hybrid cv. SHD-9704 [*Sorghum bicolor* (L.) Moench]

■ SHARNKUMAR AND MERWADE

SUMMARY

The present investigation was carried out in the Department of Seed Science and Technology, College of Agriculture, University of Agricultural Sciences, Dharwad during *Rabi* season in 2007 and *Kharif* season in 2008 and their pooled data on effect of planting ratios on seed quality parameters of sorghum hybrid cv-SHD-9704 (*Sorghum bicolor*). The seed quality parameters like germination percentage, root length, shoot length, seedling vigour index, and seedling dry weight did not exhibit marked variations due to planting ratios (P). The 100 seed weight varied significantly due to planting ratios (P). Significantly more 100 seed weight was recorded in 4:2 planting ratios (P₁) (2.71 g) over 6:2 planting ratio (P₂) (2.36 g).

Key Words : Sorghum, Planting ratio, 100 seed weight, Germination, Root length, Shoot length, Seedling dry weight, Seedling vigour index

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