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STEM HIGHT IN BROOMCORN DEPENDING ON PLANT SPACING

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ABSTRACT – Stem hight in Broomcorn Depending on Plant Spacing
Two broomcorn (Sorghum bicolor (L.) Moench) cultivars and 12 plant densities were examined in a field trial in the period 2003 - 2004. Height is a highly changeable trait, especially under a strong influence of external factors, primarily the size of plant spacing. This feature is important for manual harvest of broomcorn panicles as well as for panicle quality. We examined two row spacings (50 and 70 cm) and six spacings in the row (5, 9, 13, 17, 21 and 25 cm). Stem height was smallest in the largest spacings, 45.53 and 30.63 cm. Conversely, the smallest spacings produced largest heights 109.79 and 68.38 cm.

Keywords: broomcorn, stem height, row-to-row spacing, plant spacing in the row