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Effect of planting geometry and organic sources of nutrients on keeping quality of onion (*Allium cepa* L.) cv. BELLARY RED

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ABSTRACT : The results obtained in the experiment revealed that, the minimum PLW and rotting (17.33 and 21.94%, respectively at 120 DAS) was recorded with the application of 50 per cent FYM (12.50 t ha^{-1}) + 50 per cent VC (2 t ha^{-1}) + biofertilizers (*Azospirillum* and phosphate solubalizing bacteria @ 5 kg ha^{-1} each) with 15 cm x 10 cm spacing and sprouting was less when crop provided with 50 per cent FYM (12.50 t ha^{-1}) + 50 per cent VC (2 t ha^{-1}) with 15 cm x 10 cm spacing. However, with respect to bulb quality parameters, application of 50 per cent FYM (12.50 t ha^{-1}) + 50 per cent VC (2 t ha^{-1}) + biofertilizers (*Azospirillum* and phosphate solubalizing bacteria @ 5 kg ha^{-1} each) with 15 cm x 10 cm spacing recorded maximum values (13.27, 13.36 and 49.28 % of TSS, dry matter and marketable bulbs at 120 DAS, respectively) followed by the crop nourished with 50 per cent FYM (12.50 t ha^{-1}) + 50 per cent VC (2 t ha^{-1}) + biofertilizers (*Azospirillum* and phosphate solubalizing bacteria @ 5 kg ha^{-1} each) with 15 cm x 15 cm spacing.

KEY WORDS : PSB, FYM, PLW, TSS, *Azospirillum*, Geometry, Onion

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