

Quality characters of *Kharif* onion as affected by concentration of cycocel, intra row spacing and levels of nitrogen

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ABSTRACT

The present experiment was carried out to establish the effect of cycocel concentrations (0, 1000, 1500, 2000 ppm) intra row spacings (10, 15cm) and levels of Nitrogen (0, 80, 160, 240kg ha⁻¹) on the quality characters of *Kharif* Onion viz., TSS, Sulphur and Protein content (%) in bulbs. The results of the present experiment showed that 1500 ppm cycocel concentration produced noticeably superior results in terms of all the aforesaid characters in comparison to all the other cycocel treatments. However, 10cm intra row spacing was observed significantly in case of TSS content (%). On contrary 15cm spacing showed prominent results in terms of sulphur and protein content (%) than 10cm spacing. Moreover, 160kg N ha⁻¹ was found to be predominant superior to its counterparts. Obviously 1500 ppm cycocel, 10 cm intra row spacing and 160kg N ha⁻¹ gave sustainable increase in the characters under study and the least results were obtained under control.

Key words : *Kharif* onion, Cycocel (CCC), Protein, Intra row spacing, Sulphur