Effect of Tillage and Land Configuration on Summer Maize

There was no significant differences among the growth parameter of summer maize due to tillage. However, Broad bed and furrow system with zero tillage recorded maximum plant height, leaf length and number of leaves per plant. Green cob yield of summer maize was not significantly affected by tillage; however land configuration had a significant effect on green cob yield over tillage system. The highest green cob yield was recorded with ridge and furrow system with zero tillage (RFZT), which was at par with CT, ZT and BBFZT and significant over rest of the treatments (Fig. 1). However, fodder yield of maize not affected by tillage and land configuration. Hence the study revealed that that summer maize cultivation with zero tillage gave almost same yield of green con and fodder as in case of conventional tillage.

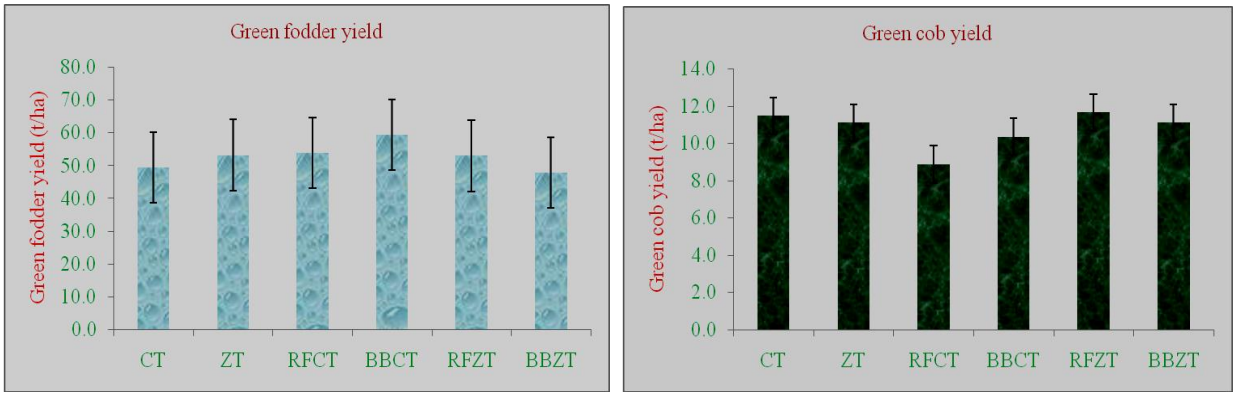

Fig. 1 Effect of tillage and land configuration on green cob and fodder yield of summer maize