PRODUCTION, PRODUCTIVITY AND PROFITABILITY OF MAIZE (ZEA MAYS) AS INFLUENCED BY DIFFERENT AGRONOMIC PRACTICES


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Abstract: A field experiment was carried out during the kharif season of 2018-19 at Research farm, Ambikapur, to study the effect of different agronomic management practices on production, productivity and profitability of maize. Different treatment combinations were included in the experiment viz. farmers’ practice, ecological intensification (EI), EI-tillage practices, EI-nutrient management, EI- planting density, EI- water management, EI- weed management and EI- disease and insect management laid out in randomized block design and replicated thrice. The mean loss in kernel yield of maize due to EI- weed management was 28.76%. Ecological intensification recorded higher yield and yield attributes significantly higher over rest of the treatments. Ecological intensification recorded significantly minimum total weed density (7.94 m-2) and weeds dry weight (3.98 g) as compared to all other treatments and recorded highest kernel and stover yield.

Keywords: Ecological intensification, Maize, Kernel yield, Weed management

REFERENCES


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