EFFECT OF INTEGRATED NUTRIENT SUPPLY AND INTERCROPPING OF FODDER CROPS ON PHYSICAL PROPERTIES OF SOIL IN FODDER MAIZE + LEGUMES INTERCROPPING SYSTEM

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Abstract: A field experiment was conducted during the winter seasons of 2008-09 and 2009-10 at Raipur Chhattisgarh, to find out the effect of integrated nutrient supply and intercropping of fodder crops on physical properties of soil in fodder maize + legumes intercropping system. Integrated nutrient supply with application of 50% RFD + 10 tonnes FYM + ZnSO4 was recorded significantly lowest value of soil bulk density and higher value of total porosity and water holding capacity. Intercropping of maize + lucerne (1:1) proved most efficient system resulting significantly lower value of bulk density but at par with maize + Berseem (1:1) and higher value of total porosity and water holding capacity as compared to other intercropping system.

Keywords: Integrated nutrient supply, Maize + fodder legumes, Water holding capacity

REFERENCES


