

IMPACT OF LIMING AND GREEN MANURING ON PRODUCTIVITY OF PADDY AND BRINJAL CROPS IN ACIDIC SOIL

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ABSTRACT

Acidic soil cover quite larger area in the Korba district of chhattisgarh which is an important rice producing region of the chhattisgarh. As a result of this low pH ranges (4.5-5.5) and low fertility of these soils, rice yields are low to low. To increase rice production and to maximize the net profit, improvement of acidic soil by liming should be done. Liming increased grain yield by 5.16 % as compared to no application and Similarly green manuring give also impact on the productivity of crops are studied. Application of Green manuring Sunhemp var.Kanpur 12 increased grain yield by 30.53 %, also No. of effective tillers and grain per panicle as compared to without application. Both Liming and green manuring separately impact on productivity of crop on soil.

KEYWORDS: Acidic Soil, Agroclimatic zone, FLDs, Green manuring and OFT