

EFFECT OF WHEAT – SOYBEAN RELAY CROPPING ON SOIL MOISTURE CONTENT AND CROP YIELD UNDER RAINFED CONDITIONS

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ABSTRACT

The cropping systems in the study comprised of wheat alone, soybean alone and wheat and soybean planted in alternate rows on November 7th and February 10th respectively. The experiment was laid out in a randomized complete block design with four replications. It was observed that soil moisture contents were not affected significantly by various cropping systems. The grain yields of wheat and soybean were higher in a relayed pattern as compared with those of sole wheat and soybean. There was an increase of Rs. 6370 and Rs. 3840 in net income of relayed cropping as compared to sole wheat and sole soybean respectively. The benefit cost ratio of wheat soybean relay cropping system was higher as compared to sole wheat and soybean.