

# IMPACT OF CLUSTER APPROACH THROUGH KVK'S

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**Abstract :** Impact study of cluster approach through KVK on soybean production was conducted in Ujjain block of Ujjain district of Madhya Pradesh, where the TOT programmes were operational in 2009. The results of the study revealed that knowledge level of eight practices of soybean production namely; seed treatment, land preparation, seed inoculation, planting geometry, weeding, plant protection, recommended dose of fertilizer and harvesting were improved by 100 per cent through the training programme of the centre whereas four practices namely, 'selection of variety, use of micro-nutrient (S&N), ridge & furrow system of sowing and marketing showed significant improvement. The study further revealed that soybean production namely 'summer ploughing, germination test, seed treatment, weeding (post emergence and hand weeding), application of RDF, Use of sulphur and Zn, market survey done before soybean growing and use of short duration variety were 100 per cent adopted. . On the other hand, although remaining four practices namely; method of sowing, soil testing, weeding (pre-emergence), scheduling of insecticides could not be achieved up to 100 per cent. The impact of trainings was highly significant in terms of increased yield. This means that training and demonstrations on different cultivation practices viz; selection of variety, seed treatment, seed inoculation, planting geometry, weeding, use of micro-nutrients, scheduling of insecticides and marketing has helped the farmers to improve the additional yield at the rate of 8.50 q/ha. The constraints as perceived by the respondents that affected the adoption of improved soybean technology in the farmer's field were identified. Unavailability of quality seed was the major problem of adopting soybean technology followed by problem of labour availability, imbalanced use of fertilizers and indiscriminate use of insecticides. It was concluded that KVK played a main role for increasing the adoption of appropriate suitable technologies for soybean production.

**Keywords :** Soybean, Production, Germination, Seed treatment

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