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## RESEARCH ARTICLE: Role of KVK in enhancing the productivity and profitability of moong bean through FLDs in Sikar district of Rajasthan

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KEY WORDS: KVK, Moong bean, HYVs, FLDs, Productivity, Profitability SUMMARY: The KVKs play an important role in transferring new agricultural technologies and enhancing the productivity of crops through trainings and FLDs. Keeping in view all beneficiaries of moong bean demonstrations (96) from 18 adopted villages of KVK were selected purposively. To compare the production and profitability, the yield data of FLDs and control plots were collected from each farmers and averaged out in each year at all locations during study 2010-2013. Maximum average demonstration yield 11.83 q ha<sup>-1</sup> was recorded in *Kharif* 2011 while minimum yield 6.02 q ha<sup>-1</sup> was recorded in Kharif 2013. It clearly shows that maximum 39.69 per cent yield increased over control plot during the *Kharif* season 2010, it was followed by 24.26, 19.36 and 21.86 per cent in each study year. Similarly, after conducting the FLDs and trainings by KVK in adopted villages the change in extent of adoption of new technological interventions were increased up to 29.16 per cent in case of HYVs, 29.13 per cent balance dose of NPK, 21.87 per cent in seed treatment, 20.83 per cent use zinc sulphate, and 18.75 per cent increases were in proper seed rate and use of insecticides. During studies years the net profit from demonstrations were found higher than control plot, it was maximum *i.e.*, Rs. 35350/- in which Rs. 6400/- per hectare was more as compared to control plot *i.e.*, Rs. 28950/- in year 2012. Maximum extention gap (2.58) recorded in Kharif 2010 which was later on decreased upto 2.31, 1.52 and 1.08 in all, respectively years. It shows positive role of KVK in performance of FLDs moongbean with improvement in socio-economic status of the farmers.

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