

On farm trial : A technology dissemination tool to rise up fruit yield of brinjal

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ABSTRACT : The field experiment was carried out as a on farm trial among 20 farmers with 5 ha areas of brinjal in two consequent years 2012-13 & 2013-14. Farmers were not getting good fruit yield of brinjal. The productivity of brinjal crop continued to be quite low due to infestation of disease, insect pest and not proper selection of cultivar of brinjal. The fruit yield of brinjal crop can be increased by demonstrating the suitable cultivars at the farmers field under the supervision of scientists working in the operational area of KVK. It was observed after trial that farmers were planting brinjal crop as per the recommended practices with suitable cultivar recorded the higher fruit yield as comparison to the farmers practices. The results of the on-farm trial brought out that the technological option-1 was feasible and economic for the farmers and viable over the farmer's practices. Percentage increase in the average fruit yield was quite high (39.61%) in the low input cost, so the technological option. 1 i.e. cultivar (BR-14) was suitable for the vegetable growers of the Katihar district of Bihar.

Key Words: Brinjal (*Solanum melongena* L.), on-farm trial, demonstration, farmers field, varieties.