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Basmati Rice Variety (Pusa Basmati-1692) Becoming Popular Among Farmers for Their Yielding Trait in District Amroha: Case Study

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Situation analysis/ Problem statements:

Mr. Vijay Pal Singh, Village: Khalakpur, Post: Joya, Block: Joya, District: Amroha, a farmer who was selected for this demonstration. He was earlier involved with local variety of Basmati Rice Pusa Basmati-1692. This variety was low in yield.

Plan, Implement and Support:

KVK Amroha tries to make them aware regarding adaptation of new Basmati Rice variety Pusa Basmati-1692 under irrigated sown condition. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties Pusa Basmati-1692. That was sown on 16-06-2023 with transplanting method and fertilizer application was done with basal application in which half dose of nitrogen full dose of SSP and full dose of MOP as recommended. Rest nitrogen used with irrigation.

Output:

Mr. Vijay Pal Singh adopted the balanced dose of chemical, fertilizer (N:P:K::120-150:60-80:40-50) kg/ha in Basmati Rice crop as per suggestion of KVK's scientist for his 0.4 ha land. His local yield was 37.90 qt with recommended technology. His yield increased by 17.16 % with yield 45.75 qt. The economical gain in terms of per unit expenditure gross income, net return, BCR, no. of tillers per square meter and % increase no. of tillers are recorded. Rs. 39600, Rs 114375, Rs. 74775, 2.90, 369 and 22.22 correspondingly.

Outcome:

Basmati Rice crop is the major Kharif cereal crop of the district. KVK Amroha conducted 05 demonstrations in 03 villages during kharif-2023 in an area of 0.4 ha at farmers' field with using HYV Pusa Basmati-1692 and balanced dose of chemical fertilizer (N:P: K:120-

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150:60-80:40-50) kg/ha. This variety has been disseminated in 10 villages of the district in area of approximately 103 ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Vijay Pal Singh is very happy on improvement in their income, livelihood and set ninth example for others.

Impact:

Mr. Vijay Pal Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Pusa Basmati-1692. This technology helps him for livelihood, empowerment and make him enthusiastic regards cereals production. He is one of the progressive farmers after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Vijay Pal Singh is very happy with this improved production and management technology and set seventh example for other farmers of the district.