

## Yellow Sarson Variety (Pitambari) Becoming Popular Among Farmers for Their Yielding Trait in District Amroha: Case Study

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### **Situation analysis/ Problem statements:**

Mr. Guruvachan Singh, Village: Gulediya, Post: Joya, Block: Joya, District: Amroha, a farmer who was selected for this demonstration. He was earlier involved with local variety of Yellow sarson B-09. This variety was low in yield.

### **Plan, Implement and Support:**

KVK Amroha tries to make them aware regarding adaptation of new Yellow sarson variety Pitambari under normal 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 Pitambari. That was sown on 05-10-2022-23 with line sowing 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 after first irrigation.

### **Output:**

Mr. Guruvachan Singh adopted the balanced dose of chemical, fertilizer (N:P:K:S:80:40:40:30) kg/ha in Wheat crop as per suggestion of KVK's scientist for his 0.4 ha land. His local yield was 12.50 qt with recommended technology. His yield increased by 19.09 % with yield 15.45 qt. The economical gain in terms of per unit expenditure gross income, net return, BCR, no. of siliquae per plant and % increase no. of siliquae are recorded. Rs. 26750, Rs 10425, Rs. 73675, 3.75, 215 and 24.65 correspondingly.

### **Outcome:**

Yellow sarson crop is the major oilseed crop of the district. KVK Amroha conducted 10 demonstrations in 06 villages during 2022-23 in an area of 0.4 ha at farmers' field with using HYV Pitambari and balanced dose of chemical fertilizer (N:P:K:S:80:40:40:30) kg/ha.



This variety has been disseminated in 08 villages of the district in area of approximately 30 ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Guruvachan Singh is very happy on improvement in their income, livelihood and set seventh example for others.

**Impact:**

Mr. Guruvachan Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Pitambari. 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. Guruvachan Singh is very happy with this improved production and management technology and set seventh example for other farmers of the district.

