

Sustainable and Diversified Agri Food Systems for Improving Resource Use Efficiency and Farm Incomes in Bundelkhand India Under Cimmyt Funded Pilot Project: Case Study

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Selection of the Farmers for Conducting Cimmyt Funded Pilot Project on Urd Bean:

Total 08 farmers were selected in Niwari District village Kuluwa for seed multiplication of urd bean variety IPU 2-43. Total 40 kg seeds of urd bean variety IPU 2-43 were distributed to the farmers. 8 kg seeds per acre were given to the farmers. Sowing of the seed crop were also done between the 20th July, 2021 to 25th July, 2021. The details are given in the below table-5.

Selection of the Farmers for Conducting Varietal Trials on Urd Bean:

Sudama Prasad farmer of village Binwara District Niwari was selected for conducting a varietal trial of urd bean including four released varieties with a local variety namely; IPU 94-1, IPU 10-26, IPU 13-1, IPU 11-02 and Pratap-1, respectively. 2 kg seeds of each variety were used for sowing in 1000 sqm/plot area of each variety. Sowing has been done on 25th July, 2021. The distance between the two variety will be covered by growing with Til (Sesame) at a 60 cm row distance in three rows. Sesame also grown on the border of each plot. The details are given in the below table-6.

Layout of the Varietal Trials:

Five varieties of urd beans including four released and one local variety were layout in a 1000 sqm area in each plot. Between the two varieties of urd bean sesame were grown in 60 cm rows distance.

Selection of the Farmers for Growing Maize as a Sole Crop & Intercropping:

Farmers were selected for growing hybrid maize crop as pure & intercropping with sesame and urd in Niwari District of village Niwari. Total six farmers were selected for maize trials. 8 kg seeds were given to the farmers for growing hybrid maize in 1 acre area. The crop

was sowing between 22nd July, 2021 to 26th July, 2021. The details are given in the below table-7.

Table-1: Details of the Varieties Under Cimmyt Funded Pilot Project on Urd Bean.

S.No.	Name of variety	Class of seeds	Quantity
1.	URD IPU 2-43	B/S	300 KG
2.	URD IPU 94-1	B/S	15 KG
3.	URD IPU 10-26	B/S	15 KG
4.	URD IPU 13-1	B/S	15 KG
5.	URD IPU 11-02	B/S	15 KG
6.	Local variety- Pratap-1	-	12 G

Planning For Wheat Trial During Rabi-2021-22: -

It is proposed to by the Agronomist CIMMYT that during Rabi season 2021-22, tillage in combination of new wheat variety is to be evaluated. For this purpose, tillage X variety practices in wheat in fields where *kharif* urd bean has been grown (under *kharif* trial or normal fields as per availability), six farmers fields and one trial on proposed KVK, Farm are to be taken new variety with zero tillage comparing normal practices- popular variety with conventional tillage practices. For this purpose, the seeds of improved wheat variety Shriram Super-303 and one check (Lokman-1) will be grown for comparing the tillage practices as well as yield.

Table-2: Some Important Captions Related to The Project.



