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Increasing Farmer's Income through Improved Cultivation of Mung Bean

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INTRODUCTION

Crop	Mung bean
Variety	MH-421
Season	Kharif-2022
Name of farmer & Address	Shri Parmeshwar s/o Annaram, Village:- Indokali, Block:- Mundwa, District:- Nagaur (Rajasthan) 
Background information about farmer field	Previous crop was Cumin, Nitrogen (N) and Phosphorus (P) status was low and Potassium (K) status was medium.
Details of technology demonstrated	1. Use of improved variety MH-421 (2014) @ 15 kg/ha. 2. Seed treatment with Carbendazim (50WP) @ 3 g /kg seed. 3. Line sowing in 30x10 cm row and plant spacing. 4. Use of Recommended Nitrogen (N) @ 20 kg/ha and Phosphorus (P) @ 40 kg/ha. 5. Application of Fipronil (0.3%GR) @ 12.5 kg/ha for termite management. 6. Application of Zinc sulphate (33%) @ 12.5 kg/ha, Sulphur (80% WDG) @ 2.5 kg/ha and NPK (18:18:18) @ 2.5 kg/ha for nutrient management. 7. Use of Waste decomposer @ 50g/ha. 8. Pre emergence application of Imazethapyr (10%SL) @ 625 ml/ha for weed management. 9. Use of Imidacloprid (17.8%SL) @ 250 ml/ha for management of sucking pest.
Institutional Involvement	KVK, Nagaur-I performed CFLD in Kharif-2022 on Mung beans under NFSM. Shri Parmeshwar participated in KVK trainings to learn about the technologies for higher productivity of Mung bean crop. KVK provided critical inputs. KVK scientists provided advisory for technical guidance as per need. He was urged to save the produce as seed for the next season by a KVK experts.
Success Point	Increase in yield
Farmer Feedback	1. Farmers appreciated the Mung bean variety MH-421 due to better yield. 2. Before sowing of crops training had been given. 3. Seed treatment, Nutrient and Weed management are important aspects for increasing production.

Outcome Yield (q/ha)	
Demonstration	12.15
Potential yield of variety/technology	9.46
District average (Previous year)	5.07
State average (Previous year)	4.32

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	9.46	23875	67166	43291	2.81
Demonstration	12.15	25645	92105	66460	3.59
% Increase/different	28.44 %	1770	24939	23169	0.78

Good Quality Photographs:

Field visit of Mung bean crop

Training of Farmers