


## Effect of Climate Resilient Agriculture Technology in Cultivation of Mung Bean Crop in Rainfed Condition

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<p><b>Introduction:</b></p> <ul style="list-style-type: none"> <li>❖ Name of Farmer- Kailash Ram S/o Hardin Ram</li> <li>❖ Age- 43 Years</li> <li>❖ Address- Village-Deshwal Block-Merta city, Dist.- Nagaur, Rajasthan, Pincode- 341514</li> <li>❖ Land Holding- 1.6 ha.</li> <li>❖ Livestock-3 Goats</li> </ul>	
<p><b>Technology demonstrated:</b></p>	<p>Improved variety of Green gram (MH-421)</p>
<p><b>Problem identified:</b></p>	<p>Low yield of <i>Kharif</i> crop (Green gram) and water scarcity</p>
<p><b>Description of technology:</b></p>	<p>Use of improved seed variety of Green gram MH-421 @ 15 kg/ha during <i>Kharif</i>-2022</p> <p>Seed treatment with Carbendazim 3g/kg seed</p> <p>Soil treatment with <i>Trichoderma viride</i> @ 2.5 kg/ha with 100 Kg FYM (Well decomposed)</p> <p>Recommended N:P:K (20:40:0 kg/ha) and use of Waste decomposer @ 50 g/ha, use of Sulphur @ 2.5 kg/ha., use of Zinc sulphate @12.5 kg/ha and use of Micronutrient.</p> <p>Shri Kailash Ram participated in trainings organized by Krishi Vigyan Kendra, Nagaur-I under NICRA Project on cultivation of different <i>kharif</i> and <i>Rabi</i> crops which covered all the farm operations from techniques of land preparation to harvesting of the crop. The KVK scientists encouraged the farmer for soil testing and use of organic manures and also farmer were advised to apply balanced dose of fertilizer with improved variety MH-421.</p>

<b>Impact of intervention:</b>	Increase in yield due to pest and disease management.				
	Farmer is getting more profit and his socio-economic status improved.				
	Soil health of his field is improved.				
<b>How the interventions minimized the impact of climate variability</b>	MH-421 is short duration variety of Green gram and this is also drought tolerant variety which gives better yield in adverse climatic condition.				
<b>Yield and Economics:</b>					
<b>Specific Technology</b>	<b>Yield (q/ha)</b>	<b>Gross cost (Rs/ha)</b>	<b>Gross income (Rs/ha)</b>	<b>Net income (Rs/ha)</b>	<b>B:C ratio</b>
Farmer practices	10.11	24345	72792	48447	2.99
Demonstration	13.17	25575	94824	69249	3.71
% Increase/difference	30.27	1230	22032	20802	0.72

#### Quality Photographs:



Off campus training organized by KVK, Nagaur-I under NICRA



**Inspection visit under NICRA by Dr. A. K. Indoria at Deshwal Village**

