

## Intercropping of Toriya/Lahi with Sugarcane becoming popular in farmers' for their income trait: Gorakhpur



### Situation analysis/ Problem statements:-

Mr. Kailash Maurya, village-Alamchak, Block-Campierganj, District-Gorakhpur, a farmer who was suggested for Intercropping (Sugarcane+Lahi/Toriya) by the Extension Scientist of the MGKVK. He was earlier involved with local variety of Sugarcane as a sole crop.

**Plan, Implement and Support:-** MGKVK Gorakhpur tries to make them aware regarding scientific cultivation of sugarcane

by trench method & intercrop with Lahi/Toriya. That starts from land preparation to harvesting. The 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 of Sugarcane CO. SHA.-8279 intercrop with Toriya -PT 30. Sugarcane was sown on 06-09-2019 by trench method with line sowing of Toriya 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:-** The input cost and income of Mr. Kailash Maurya from one acre of land by adopting this intervention (Sugarcane+Lahi) are given as follow.

S. No.	Crop	Seed rate/Acre	Cost of Cultivation (Rs)	Production (qt./Acre)	Rate (Rs./qt.)	Gross Income (Rs.)	Net profit (Rs.)
1.	Sugarcane	30 Qt.	21000	400.00	315/-	126000.00	127500.00
2.	Lahi/Toriya	2 Kg.		3.00	7500/-	22500.00	
						<b>148500.00</b>	<b>127500.00</b>

**Outcome:-** Shri Kailash Maurya harvested more higher than 20% yield with total Rs. 126000.00/- by showing of sugarcane crop with trench method and also got an additional income from short duration Toriya (80-90 Days) Rs. 22500/- as a gross income per acre for year 2020. The outcome of this Intervention motivated the farming communities to replace their old practice of sole cropping.

**Impact:-** Mr. Kailash Maurya is becoming one of the progressive and learned farmers for others with regards to popularization of intercropping of Sugarcane (Trench method of sowing)+Toriya (Line showing). This technology helps him for livelihood, empowerment

and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Kailash Maurya is very happy on improvement in their income, livelihood and set forth example for others.