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# ***Empowering Climate-Resilient Agriculture in Samastipur - A Custom Hiring Center Success Story***

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Published on: July 31, 2025

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## **ABSTRACT**

**Mr. Sanjit Kumar Rai, a farmer from Chakobhindi village in Morwa block, Samastipur, struggled to generate sustainable income despite owning 15 acres of land and machinery. Limited technical knowledge and poor linkages hindered profitability. Under the Climate Resilient Agriculture (CRA) programme, KVK Birauli provided skill-based training on custom hiring center (CHC) management and mechanization. With KVK's support, Mr. Rai established a CHC, offering services like zero tillage, raised bed planting, spraying, and reaping. This significantly enhanced farm mechanization in the region. His annual income rose to Rs. 7.77 lakh, benefiting both himself and neighboring farmers. The CHC**

**model proved instrumental in improving livelihoods and promoting climate-resilient practices.**

## INTRODUCTION

Mr. Sanjit Kumar Rai was a farmer from village-chakobhindi block- Morwa living in joint family (total 11 family members) is fully dependent on Farming. The farmer possesses a total cultivable landholding of 15 acres and owns agricultural machinery including a tractor and trailer. However, despite these assets, he was unable to generate a sustainable or satisfactory income from his farming operations, he used to earn only Rs 45,000 to 50,000/annum only from machines and rest of the time his resource was useless and did not get income satisfactorily. Due to lack of knowledge about care & maintenance of tractor and implements, his expenses on care & maintenance were more and he used to get less profit from that. He was also not getting adequate benefit because of poor linkages with other farmers and having less number of implements.

Under Climate Resilient Agriculture (CRA) Programme KVK, Birauli, Samastipur-I gave skill oriented training on “Establishment and management of Custom hiring center” and in this training programme Mr Sanjit ji trained about calibration and operation of different improved implements and machineries like - Zero tillage, Raised bed planter, Inclined plate planter, Thresher, Laser land leveler, Reaper cum binder, Boom type sprayer has been discussed & also under CRA Programme, KVK helps to Mr. Sanjit to establish linkages with farmers of nearby villages. Now with the technical assistance of KVK, he established a custom hiring centre and act as a service provider under CRA Project. This initiative aimed to provide affordable access to advanced agricultural machinery and equipment for local farmers, enabling them to improve their productivity without the financial burden of purchasing expensive machinery. Through local outreach and awareness campaigns, Mr. Sanjit educated farmers on the benefits of utilizing the CHC, emphasizing cost savings and improved efficiency. After establishment of custom hiring center in the village the mechanization level increases. The success of Sanjit's Custom Hiring Center transformed the local agricultural landscape. Farmers reported increased productivity and profitability, and many were able to invest the savings back into their farms. The annual income of Mr Sanjit since three years is given below.

**Table-1 Rate of implements and area covered by Mr. Sanjit-**

SI No.	Name of Implements providing on hire basis	Rate (Rs/Acre)	Area Covered (Acre)
1.	Zero tillage + Tractor	1320	150
2.	Raise bed planter + Tractor	1540	50
3.	Reaper cum binder + Tractor	1000	100
4.	Boom Sprayer+ Tractor	400	150

**Table-2 Details of income**

Season	Zero Tillage	Raised Bed Planter	Boom Type Sprayer	Reaper cum binder
Rabi	198000.00	77000.00	60000.00	100000.00

Kharif	198000.00	77000.00	60000.00	-
Total	Rs. 7,77,000.00/-			



By establishing a Custom Hiring Center, he not only transformed his own farming practices but also uplifted the entire community, showcasing how a single initiative can lead to widespread positive change.

## CONCLUSION

The establishment of a Custom Hiring Center by Mr. Sanjit Kumar Rai under the CRA programme proved to be a transformative initiative. It not only enhanced his income but also increased access to mechanized farming for nearby farmers. The intervention reduced operational costs, improved productivity, and promoted sustainable agriculture. This model demonstrates the potential of skill development and institutional support in rural livelihood enhancement. It can be replicated in other regions to boost climate-resilient agriculture and rural economy.