



Report on

Management of rice crop residue management

Target Group: Students and Faculty of KRMU especially SOAS

Resource Person: Mr. Ajeet (Farmer at Karnki village)

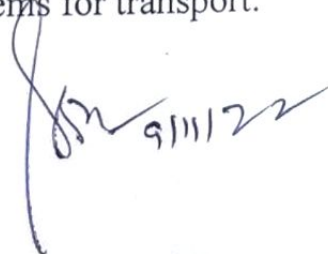
Coordinator: Mr. S. P. Singh and Dr. S.S. Sharma (SOAS).

Date: Wednesday, 09-11-2022

Venue: Village- Karnki village

Number of participants: 23

Mr. Ajeet (Farmer at Karnki village) from introduced about their field about harvested crop of rice to students. After that Dr. S.S. Sharma gave lecture about how to manage crop residue. Rice is the most residue-producing crop in Asia (826 million tons) contributing 84% of total production of the World. Traditionally rice straw is removed from fields for use as cattle feed. On average, rice crop residues contain 0.7% N, 0.23% P and 1.75% K. Recently, with the advent of mechanized harvesting, farmers have been burning in-situ large quantities of crop residues left in the field as which interfere with tillage and succeeding operations for the subsequent crop, causing loss of nutrients and soil organic matter (SOM). On-field residue retention benefits soil health, soil water conservation, soil productivity and environment but there are several challenges in residue incorporation challenges - physical problem of soil incorporation, labor intensive, fallow period and N immobilization. There are several off-field options for managing rice crop residues - palatable livestock feed, economic roof thatch for rural poor, rural residue composting, edible mushroom cultivation, biogas production and packaging of non-consumable items for transport.


9/11/22

Geo tagged photos of the event:



Photo 1: Dr. S.S. Sharma gave lecture about how to manage crop residue.



Photo 2: Dr. S.S. Sharma gave lecture about how to manage crop residue.

S.S. Sharma
09/11/22



Photo 3: Dr. S.S. Sharma gave lecture about rice crop cultivation.



Photo 4: A glimpse of the events with students and farmers.

Report prepared by	S.P. Singh psingh
Report verified by Event Coordinator	S.P. Singh psingh
Report seen by Dean/Activity coordinator	psingh Dr S.S. Sharma