



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Report on Management of rice crop residue at village Karnki in collaboration with NSS

Target Group: Students of SOAS and Villagers

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

Date: Wednesday, 09-11-2022

Time- 10:15 AM onwards

Venue: Karnki village

Number of participants: 25 (Students of Agriculture Sciences and Villagers)

Management of Rice Crop Residue at Village Karnki in collaboration with NSS could be multifaceted, aiming to address various aspects related to sustainable agriculture, environmental conservation, and community development.

Objectives

Aiming to address various aspects related to sustainable agriculture, environmental conservation, and community development.

Encouraging the Farmers for adoption of eco-friendly techniques to manage rice crop residue, reducing the burning of crop residues, and mitigating air pollution and greenhouse gas emissions.

Dr. S.S Sharma delivered a comprehensive lecture on effective strategies for managing crop residues. Rice stands out as the leading residue-producing crop in Asia, with a staggering 826 million tons, contributing to 84% of the global total production. Traditionally, rice straw has been collected from fields for utilization as fodder for cattle. Typically, rice crop residues contain 0.7% nitrogen, 0.23% phosphorus, and 1.75% potassium.

However, the rise of mechanized harvesting has led farmers to resort to burning substantial quantities of leftover crop residues in the fields. This practice, although addressing concerns of interference with tillage and subsequent crop operations, results in the loss of valuable nutrients and soil organic matter (SOM). Retaining the residues on the field offers significant benefits such as bolstering soil health, conserving soil moisture, enhancing soil productivity, and safeguarding the environment. Nonetheless, challenges persist in terms of incorporating the residues into the soil, including physical obstacles, labor intensiveness, required fallow periods, and resource mobilization. Several viable off-field options for managing rice crop residues include their use as nutritious livestock feed, economic roofing thatch for the rural poor, rural residue composting, cultivation of edible mushrooms, biogas generation, and the packaging of consumable goods for transportation. Ajeet, a farmer from Karnki village, introduced the students to the condition of their fields, highlighting the issue of wasted rice crops.

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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Haryana 122103



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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.


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



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

[Signature]
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Report prepared by	S. P. Singh <i>Spsingh</i>
Report verified by Event Coordinator	S. P. Singh <i>Spsingh</i>
Report seen by Dean/Activity coordinator	<i>[Signature]</i> DEAN School of Agriculture Sciences (SOAS) K.R. Mangalam University Sohna road, Gurugram Haryana 122103 <i>Dr S. S. Shrivastava</i>

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Attendance

Name of activity: Management of Rice crop residue at village karnki

Date: 09-11-22

Venue: Karnki

Organized by: SOAS

Sr. No	Roll No.	Student Name	Programme & Semester	Signature of Student
1	2113820022	Rihan Khan	IIIrd Sem.	Rihan
2	2113820003	Radu	11	Radu
3	2113820014	Yogesh	11	Yogesh
4	2113820006	Jyoti (NSS)	11	Jyoti
5	2113820008	Sonal (NSS)	11	Sonal
6	2113820002	Ashar	11	
7	2113820015	Anuska	11	
8	2113820011	Parth	11	
9	2113820017	Sakshi	11	
10	2113820009	Goutam	5th semester	Ashu
11	2013820009	Aamir Khan	"	Pranay
12	2013820012	Parul	"	Pranay
13	2013820003	Pranay	"	Pranay
14	2013820006	Ashish	Ist Sem	MD
15	2213820009	Mohit kumar	Ist Sem	MD
16	2213820010	Mustkeem	Ist Y	MD
17	2213820010	Mujahideen	"	MD
18	2213820006	Ragor	Ist yr.	MD
19	2213820005	Sakshi	Ist yr.	MD
20	2213820008	Mukeem	Ist yr.	MD
21	2213820007	Anbar Khan	Ist yr.	MD
22	2213820004	Pradyumna Roy	B.Sc. Agri(H) 1st yr	Pradyumna Roy
23	2013820008	Pinkhi Kumari	B.Sc(Hon) 1st yr	Pinkhi
24	"	Ajeet kumar	Farmer	Sanjay
25	"	Sanjay kumar	Farmer	Sanjay

[Signature]

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Signature of Incharge /Dean (with date)