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निदेशक अनुसंधान

No. : 16.../DR

Date: 08/04/2021

All Principal Investigators of AICRP/ University Funded/ Externally Funded Research Projects

Sub: Submission of Research Highlights for compilation in Agenda note

You are requested to submit the Research Highlights of AICRP/University Funded Research Projects/Other Projects in the following proforma for compilation in Agenda note of **10th Research Council Meeting, Kharif-2021** on or before **12.04.2021 positively** in hard and soft copy only. Research highlight in **PDF file** or in **Tabular Form** will not be accepted.

Guidelines for submission of research highlights for agenda notes are enclosed herewith for your convenience and uniformity in compilation of agenda notes.

M. Kumar
8/4/2021
(Mithilesh Kumar)

CC: Officer Incharge, ARIS Cell for display on University website and Notice Board.

CC: Secretary to V.C. for kind information to the Hon'ble Vice-Chancellor.

Proforma

Name of the Project: AICRP on STCR*

Name of the Experiment: Long Term Effect of Organic Manure, Crop Residues & Inorganic Fertilizer on Grain Yield of Rice (58th Crop).*

Name of the Scientist(s): Dr. Mukesh Kumar, Dr. Shankar Jha and Dr. S. N. Suman

Date of start: Rabi 1988 -89

No. of years conducted: 28 years

Brief Research Highlights*: Grain and straw yield of rice (58th crop) increased significantly with increasing levels of fertilizers up to 150% NPK. The relative performance of organic manure and crop residues on the yield of Rice varied in the order: Compost + crop residues > compost > crop residues > no compost or no crop residues. The result indicates that crop residues could substitute compost @ 10 t/ha. The compost, crop residues and compost + crop residues increased the grain yield of rice 27.10, 24.80 and 34.31%, respectively and that of straw yield 18.93, 17.61 and 25.06%, respectively.

Plan of work for the ensuing season: To be continued.

- ❖ **Recommendations based on concluded trials*:** The results suggest that compost + crop residues could save 50 % recommended dose of NPK i.e. 60 kg N, 30 kg P₂O₅ and 20 kg K₂O/ha.

* Only these words should be in bold letters.