

Proc. No.DR/P7/DR Review/MRS, Vagarai/2020 Dated:28.09.2020

Office of the Directorate of Research
TNAU, Coimbatore
5.10.2020

Dr. K.S. Subramanian
Director of Research

PROCEEDINGS

A review meeting was conducted at the Maize Research Station by **Dr. K.S. Subramanian**, Director of Research, TNAU, Coimbatore, on 15.9.2020. **Dr. S. Lakshmi Narayanan**, Associate Professor & Head presented the action taken report on various recommendations of Vice Chancellor's Review, DR's review, SWC, CSM 2020 and others. The following staff members of MRS, Vagarai participated in the meeting and the discussions held thereon.

Scientist from O/o the Directorate of Research TNAU, Cbe

1. Dr.M.Kannan Prof (Hort.)

Scientists of MRS, Vagarai

1. Dr. S. Lakshmi Narayanan, Assoc. Prof. and Head, Maize Research Station, Vagarai
2. Dr. M. Mohamed Amanullah, Professor (Agronomy)
3. Dr. M. Senthivelu, Assistant Professor (Agronomy)
4. Dr. N. M. Arivudainambi, Assistant Professor (Entomology)
5. Dr. R. Radhajeyalakshmi, Assistant Professor (Plant Pathology)
6. Dr. K. R.V.Sathya Sheela, Assistant Professor (Plant Breeding and Genetics)

I. Vice Chancellor's Review

The Vice Chancellor, TNAU has reviewed the various activities of MRS, Vagarai on 29.08.2019. There were 11 recommendations made, of which, **eight have been completed** or in progress. **Three are still pending** with university namely solar fencing, solar lights and conversion of farmers' hostel into residential quarters for want of financial sanction or assessment by the Estate Officer. The detailed Action Taken Report for the Vice Chancellor's remarks is enclosed as **Annexure I**.

II. Director of Research Review

The Director of Research has reviewed the research activities of MRS, Vagarai on 07.06.2019 for which the Action Taken Report is enclosed as **Annexure II**. There were 20 suggestions were made and only two namely soil mapping and display of activities of the Station on a TV is pending due to want of funds.

III. Cropping Program

The approved Cropping Program is strictly adopted without any deviation. The crop performance is excellent due to adequate rainfall. The experimental fields are well maintained and properly labeled. Follow-up of the Cropping Programme of MRS, Vagarai is enclosed as **Annexure III**.

IV. Review on URPs and Action Plan Projects for 2020-21

The review of work done on University Research Projects of individual scientists was reviewed by Director of Research and the details are enclosed as **Annexure IV & V**.

GENERAL REMARKS

1. The boards indicating the way to location of the Maize Research Station, Vagarai and at the entrance of station to be repainted (Farm Unit).
2. The buildings shall be painted within the available funds or send a proposal to Director of Research (Farm Unit).
3. An updated **brochure** indicating the station activities and achievements. Website also be regularly updated (**Action:** Dr. M. Senthivelu, Asst. Professor, Agronomy).
4. **AWS** shall be brought into working condition in consultation with DCM & ACRC (Action: Dr. M. Senthivelu, Assistant Professor, Agronomy).
5. **Casuarina seedlings** are to be planted as wind barrier (Action: Dr.N.M.Arivudainambi, Assistant Professor, Entomology).
6. **Multi-functional Agro-forestry model may be exhibited.** The Dean, Forest College and Research Station, Mettupalayam, may be contacted to develop this model. (**Action:** Dr.R.Radhajeyalakshmi, Assistant Professor (Plant Pathology), Dr. M. Senthivelu, Assistant Professor, Agronomy and Dr. K.R.V. Sathya Sheela, Assistant Professor (PB&G)).
7. **Soil mapping** of the Maize Research Station farm has to be uploaded in the station Website. (Action: Dr. M.Mohamed Amanullah, Farm Professor, Dr. K.R.V.Sathya Sheela, Assistant Professor (PB&G) and Mr. Syed Abuthahir, Junior Assistant).
8. Efforts may be taken to bring **drinking water** to MRS, Vagarai with an approval the Revenue/Panchayat authorities (Action: Dr.M.Mohamed Amanullah, Professor, Agronomy).
9. Efforts have be taken to close all the **unoperated schemes**. (**Action:** Associate Professor and Head, Research Coordinator and Office Unit).

10. **Exhibition hall** shall be displayed with posters of crop management technologies, new varieties/hybrids of maize. The Integrated Pest Management Technologies with respect to maize shall be arranged in the exhibition hall. (Action: All Scientists).
11. All the scientists are instructed to submit the completion reports of their completed projects promptly. (**Action:** All Scientists)
12. The scientists are emphasized to propose new **externally funded projects**. (Action: All Scientists)
13. The scientists are instructed to publish their research articles in Peer-reviewed journals (**NAAS > 6**). (Action: All Scientists)

V. INDIVIDUAL SCIENTISTS REVIEW

Dr. S. Lakshmi Narayanan, Assoc. Prof. & Head, MRS, Vagarai

- New high yielding Fall Army worm resistant single cross hybrids suitable for drought conditions having attractive market appeal has to be developed.
- Efforts may be taken to monetize the newly released hybrid VGIH 1. It is released by CVRC in 2018 for North Eastern Zone (West Bengal, Bihar, Orissa etc) and notified. Since it is released by CVRC and notified and it can be brought to the list of TNAU as well. Since it is popular in NE Zone and grain yield about 8 t /ha even in Tamil Nadu as well, a proposal may be sent to the Directorate of Research through Director (CPBG) for inclusion in the upcoming state variety release.
- Efforts have to be taken to popularize the **TNAU maize hybrids** to the farmers. The benefits of the specific technologies like Hybrid seed Production shall be explained to the farmers for increased income and food security.

Dr.M. Mohamad Amanullah, Prof. (Agron.)

- Three on-going projects one nearing completion (detopping on fodder production and grain yield) and two newly started (Feasibility of raising maize fodder under hydroponic system and intercropping of fodder maize in grain crop). The field notebooks and basic records are excellently maintained.
- Externally funding project may be proposed for hydroponics fodder production
- Young scientists may be guided and encouraged to publish articles from URP, in NAAS rated (> 6) journals

