

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

Dr.M. Senthilvelu, Asst.Prof.(Agron.)

- Drip irrigation / fertigation needs to be installed in an area of atleast one acre in the farm and sty the rationalization fertilization in relation to crop growth
- Optimizing pre-emergence and post-emergence herbicide application for maize
- Ensure that two completion reports of his predecessor Dr. Thukkaiyannan, AP (Agron) is pending, to completed and presented to the RPAC for the closure of the project before 31.10.2020.
- Field Notebooks and Basic Records are maintained well

Dr.R. Radhajeyalakshmi, Asst.Prof.(PI.Path.)

- Propose a new project on "Aerobiology" may be proposed
- Completion report **BLSB** project is to be submitted before **31.10.2020**
- Bioagents/Bio-inoculants shall be produced and distributed to the farmers. Moreover all the bioagents shall be procured from TNAU Coimbatore and sold to the farmers under VCS scheme.
- Production of Bio inoculants may be expanded by seeking more seed money.
- Field Notebooks and Basic Records are maintained well

Dr. K.R.V. Sathya Sheela, Asst.Prof.(PBG)

- **AICRP** theme projects have to be done as per the approved program
- At least **one URP** needs to be proposed addressing emerging field problem like FAW
- Selection of **inbreds** with good grain characters, drought resistance and fall army worm resistance shall be emphasized for utilization in development of new single cross hybrids.
- High quality posters and one-minute video shall be recorded for the promising Maize Vagarai hybrid (VGI H1).
- Field Notebooks and Basic Records are maintained well

Dr. N.M. Arivudainambi, Asst.Prof.(Agrl.Ento.)

- The newly released hybrid VGI H1 may be tested for the resistance to Fall Army Worm.
- A one acre demonstration plot is to be raised depicting TNAU technology capsule developed to manage FAW in maize
- Efficacy of eucalyptus oil in controlling FAW may be thoroughly investigated.
- **The field notebook and basic records are maintained extremely poor. He needs special assistance to develop basic research skills.** The Assoc. Prof. & Head, should sign his records every week and the status may be reported to the undersigned for further action.

Office Inspection

- The Director of Research verified all the Office Registers, Cash books, Attendance, Muster, Indent Registers, DMS etc., pertaining to office Administration.
- Reviewed on pending Audit paras & the details of AUC's sent for the ICAR/Externally funded projects.
- Record maintenance is good


5-10-2020


5/10/20
DIRECTOR OF RESEARCH

To

The Associate Professor and Head, Maize Research Station, Vagarai

Copy to the TPO to the Vice Chancellor, TNAU, Coimbatore

Annexure I : Action taken report on VCs' Remarks

No	Proceedings	Action Taken
1.	Proposal may be submitted for filling up the post of field man in AICRP	One Agricultural Supervisor has been posted in the vacant post of Field Man from 16.07.2020
2.	Proposal for establishing drip irrigation in 1 acre may be sent	Estimate for establishing drip irrigation has been obtained and the proposal for special sanction of funds has been sent to the Director of Research for approval
3.	Proposal for installing solar fencing can be sent for the control of hares and peacocks and the proposal in this regard may be sent to the Estate officer	Proposal for establishing solar fencing has been sent to the Estate Officer through Director of Research vide Lr.No. ASP&H / MRS, VGI/ Solar fence / 2020 dated 22.07.2020 and Lr.No. ASP & H/MRS,VGI/ Solar fence / 2019 dated 09.10.2019 for inspection and installation.
4.	The farmer's hostel shall be converted into residential quarters (small type) by discussing with Estate Officer for the stay of staff	Estimate special sanction of funds has been sent to the Director of Research for approval
	An agro forestry model suitable for the local region shall be developed and laid for the benefit of the farmers in an area of 1 acre.	It is planned to establish <i>sylvipasture</i> (Tree seedlings and <i>Cenchrus grass</i>) in one acre. The area is also identified as New Area (1.10 Ac.) Layout has been prepared. The field is ploughed and kept ready. <i>Cenchrus</i> slips will be planted after the receipt of rains and simultaneously tree seedlings (<i>Acacia/ neem</i>) will also be planted.
	<i>Casuarina</i> seedlings may be planted in trenches along the western side in trenches.	The Dean, Forest College and Research Institute, Mettupalayam has been requested for the supply of 500 <i>Casuarina</i> seedlings. The same will be planted after the seedlings during the receipt of monsoon showers.
	Efforts taken in association with TWAD to avail the drinking water to Maize Research Station, Vagarai shall be continued	In continuation to the efforts taken earlier, the EE (RWS Division) of TWAD as requested the EE (Maintenance Division) of TWAD to explore the feasibility of providing 10,000 litres of water from MSR at Eviction Nagar constructed under CWSS to 175 rural habitations in Palani and Thoppampatty Unions of Dindigul District vide Lr. NI: 030920 / F.Keeranur

		<p>CWSS / JDO / 2020 / dt: 03.09.2020 from EE(RWS Division), TWAD Board to EE (Maintenance Division), TWAD.</p>
	<p>Castor crop (YRCH1) shall be included in the cropping system and promoted to the farmers</p>	<p>Castor was raised as intercrop with maize Sowing of Castor + maize has been taken up., It is planned to conduct farmers meeting after the crop has reached flowering stage</p>
	<p>Proposal for installing solar lights (02 Nos.) be sent to Estate Office</p>	<p>Proposal has already been sent to Estate Office on 19.09.2019</p>
	<p>Existing bus facility to Maize Research Station, Vagarai may be continued.</p>	<p>The transport facility is extended to the staff members to come to Maize Research Station, Vagarai, from Vagarai and Vice versa using Maize Research Station, Jeep on payment basis with due permission from the University.</p>

Annexure II : Action taken report on the visit of Director of Research to MRS, Vagarai

No.	Remarks	Action Taken
	Completion report in prescribed formats for those projects that were officially closed to be submitted for RPAC approval. In case the period is lapsed already, the projects required to be extended with specific reasons and to get it approved and closed in the stipulated time	Completion report in prescribed formats for those projects that were officially closed will be submitted for RPAC approval in the stipulated time
2.	The completed projects must result in publications in peer reviewed National or Internationals journals besides in regional language. All the manuscripts that are to be submitted for publication should get number from the Directorate of Research	Two manuscripts have been sent for publication in peer reviewed Journal. For all the manuscripts submitted for publication number has been obtained from the Directorate of Research
3.	Closure proposal or the URP (NRM/VGI/SAC / MAZ / 2014 / 001) Permanent manorial experiment project should be submitted before 31 st July, 2019 (Dr.Illayaraja, Associate Professor (SS&AC), WTC, TNAU, Coimbatore)	Closure proposal submitted, presented in the RPAC and resubmitted by Dr. M. Elayaraja, Associate Professor, SS & AC, WTC, TNAU, Coimbatore on 09.05. 2020 based on the comments of RPAC
4.	The details of UGC funded project on zinc fortification should be submitted to the Directorate of Research before 31 st July, 2019 (Dr. C. Bharathi, Assistant Professor (SS&AC), Dept. of Agronomy, TNAU, Coimbatore).	Details already submitted by Dr. C. Bharathi, Assistant Professor, SS & AC, TNAU, Coimbatore on 29.07. 2019 to the Director of Research, TNAU
5.	Each Scientist should possess at least one project relevant to the mandate of the Research Station.	All the scientists possess at least one project relevant to the mandate of the Research Station.

6.	All the Scientists are instructed to propose externally funded projects and publish articles in journals with good impact factor, Dr.M.Mohamed Amanullah, Prof, (Agron.) in requested to help the Assistant Professors to get the publications done in NAAS > 6 rated journals.	Dr. M. Mohamed Amanullah, Professor (Agronomy) has sensitized the scientists to publish research articles in journals with good impact factor. He has also explained the methodology of preparing a good manuscript and indicated how to publish the same. Now two articles have been sent to journals with NAAS rating > 6
7.	The crops should be raised as per the approved cropping programme	The crops are raised as per the approved cropping programme
8.	Ensure all the fields are properly utilized for conducting experiments or seed production and ensure the cropping intensity of more than 200.	The cropping intensity of MRS Vagarai is more than 200.
9.	Soil mapping for MRS, Vagarai to be done utilizing the services of Dept. of RS & GIS, TNAU, Coimbatore.	Soil mapping completed
10	Trainings may be organized for the input dealers in creating awareness on TNAU FAW capsule for proper recommendation to effectively control FAW. The farmers are to be informed well in advance before the onset of south west monsoon	Trainings for the input dealers in creating awareness on TNAU FAW capsule has been conducted in hands with ADA (QC) of Dindigul district. The farmers were informed in the Department meetings. Pamphlets on Fall Army Worm capsule were prepared and distributed to the farmers
11	The measures taken for survey of FAW shall be updated in the group activities.	The measures taken for survey of FAW are regularly being updated in FAW group
12	Posters on important production technologies of Maize and FAW capsule shall be prepared and displayed.	Posters prepared and displayed
13	A demonstration plot on FAW capsule shall be raised along with control for the benefit of the visiting farmers	Already raised last year and it is proposed to be raised this year also

14	Popularization and supply of TNAU hybrid shall be done and efforts may be taken for the timely supply of seeds.	Training is being given to the tribal farmers on cultivation aspects of maize through tribal sub plan programme. Certified seed production and distribution of CO 6 / CO8 maize hybrid seeds are being done regularly
15	TV display board shall be installed for which funds may be requested.	Funds have been requested for the same through proper channel
16	In all the training programmes organized by MRS, Vagarai, control measures for Fall Army Worm shall be included as one of the component.	In all the training programmes organized by MRS, Vagarai, control measures for Fall Army Worm will be included as one of the component.
17	Venture Capital Schemes shall be proposed for the possible projects.	A venture capital scheme entitled "Mass production and distribution of biocontrol agents" has been prepared, got approved and is now in operation from April 2019
18	Fund shall be requested from the University for the arrangement of water facility for drinking and lab purpose	Feasibility report on this project has been received only recently. The estimate on the execution is to be prepared by the EE (O and M) TWAD, Dindigul. After the receipt of the same funds will be requested from the University
19	Initiate action for operation of the Automatic Weather Station at MRS, Vagarai.	The Professor and Head (ACRC) was requested for setting right the repairs to AWS at MRS, Vagarai. It was informed that steps are being taken to repair all the AWS located inside the research stations of TNAU for which their representative has inspected the AWS for preparing estimate.
20	The seminar hall shall be painted and the facilities shall be improved. Funds may be requested for the same.	The seminar hall has been painted utilizing the funds of MRS, Vagarai

Annexure III :Follow up action on the cropping programme

- Proposal for solar fencing and 5 Nos. of solar lamps has been sent to the Estate Officer on 22.07.2020 for preparation of a rough cost estimate for requesting funds.
- The vacant post of field man in ICAR- AICRP on Maize has been filled.
- As per the cropping programme, sowing of maize under AICRP for plant breeding has been completed in 3.50 acres.
- Sowing for other trials is in progress.

Annexure IV: Action taken Report on CSM 2020

Themes	Action taken	Scientist in charge
<p>ACTION PLAN THEME 1 Germplasm Characterisation in Millets Characterisation of 100 Maize Germplasm lines</p>	<p>100 germplasm lines sown on 23.05.2020 Characterisation for DUS traits is in progress The crop is in cob formation stage</p>	<p>Dr.K.R.V.Sathyasheela, Asst.Prof (PBG)</p>
<p>ACTION PLAN THEME 6 Screening of maize inbreds and hybrids for drought tolerance</p>	<ul style="list-style-type: none"> Identified drought tolerant inbreds viz., VIM 419, VIM 528 and VIM 564 sown on 23.05.2020 are being utilized in crossing programme with desirable female parents. The resultant hybrids will be evaluated under rainfed conditions during Sep-Oct 2020. 	<p>Coimbatore Dr.R.Ravikesavan Dr.N.Kumari Vinodhana Dr.A.Senthil</p>
<p>New Action Plan 2020-23 THEME 1 Development of FAW tolerant / resistant maize hybrids</p>	<ul style="list-style-type: none"> Selected inbreds will be screened for Fall Army Worm during 2nd fortnight Aug 2020 FAW tolerant inbreds will be identified & utilised for FAW 	<p>Vagarai Dr. S. Lakshmi Narayanan Dr.K.R.V.Sathya Sheela</p> <p>Veppanthatai Dr.S.Sivakumar</p> <p>Coimbatore Dr.R.Ravikesavan Prof(PBG)</p>

	<p>tolerant hybridsnd</p> <ul style="list-style-type: none"> Sowing during 2nd fortnight of Sep 2020 	<p>Dr.N.Kumari Vinodhana Asst.Prof (PBG)</p> <p>Dr. T. Srinivasan, Asst.Prof (Ento)</p>
		<p>Vagarai</p> <p>Dr.S.Lakshmi Narayanan Assoc.Prof (PBG)</p> <p>Dr.K.R.V.Sathyasheela, Asst.Prof (PBG)</p> <p>Dr.N.M.Arivudainambi Asst.Prof (Ento)</p>

Annexure V: MAIZE RESEARCH STATION, VAGARAI

List of ongoing University Research Projects and Action Plans as on 31.08.2020

University Research Projects:

S.No	Project No.	Title of the Project	Project Leader (s)	Period	Remarks
1.	CPBG/VGI/PBG/MA Z/2015/001	Development of high yielding single cross maize hybrids suitable for rainfed eco systems.	Dr. S. Lakshmi Narayanan, Associate. Prof. (PB&G) and Head	Apr.2015 to Mar.2020	Ongoing
2.	CPBG/VGI/PBG/MA Z/2020/001	Collection, characterization and maintenance of maize germplasm	Dr. K.R.V. Sathya Sheela, Asst. Prof. (PB & G)	July 2019 to June 2022	Ongoing
3.	DCM/VGI/AGR/MA Z/ 2018/001	Influence of detopping on growth, fodder and grain yield of rainfed Maize (<i>Zea mays</i> L.)	Dr.M.Mohamed Amanullah, Professor (Agronomy)	July 2018 to June 2020	Completion proposal is under preparation
5.	DCM/VGI/AGR /FRG/2020/ 001	Influence of seed rate, priming with chemicals and time of harvest on the productivity of maize fodder under hydroponics system	Dr.M.Mohamed Amanullah, Professor (Agronomy)	Oct 2020 to Sept 2021	Project to be initiated in October 2020
6.	NRM/VGI/SAC/MAZ /2014/001	Permanent Manurial Experiment on maize-green gram cropping system in red sandy loam soil of vagarai under irrigated condition	Dr.P. Thukkaiyannan Asst Professor (Agronomy)	Oct 2014 to Sep 2019	Revised completion report submitted on 09.05.2020
7.	DCM/VGI/AGR/MA Z/2017/001	Optimizing the pre emergence herbicide and time of post emergence weed	Dr. M. Senthivelu Asst Professor (Agronomy)	June 2017 to	Sowing completed

		management practice in Irrigated Maize			May 2021	
8.	DCM/VGI/AGR/MA Z/2018/CP110 (Core project)	Evaluation of drought mitigation strategy and irrigation scheduling to increase irrigation use efficiency and grain yield of Maize	Dr.P.Thukkaiyannan Asst. Professor (Agronomy)	Oct 2018 to Mar 2019	Completion proposal has to be submitted	
9.	CPPS/VGI/PAT/MA Z/2017/001	Management of Maize Banded Leaf and sheath Blight (BLSB) caused by <i>Rhizoctonia solani f.sp.sasakii</i> with biocontrol agents and fungicides	Dr.R.Radhajeyalakshmi Asst. Professor (Pl.Pathology)	July 2017 to June 2020	Completion report has to be submitted	
10.	CPPS/VGI/PAT/MA Z/2016-001	Management of leaf blight diseases of maize caused by (<i>Helminthosporium turcicum</i> (Pass) and <i>Bipolaris maydis</i> (Nisik and Miyake).	Dr.R.Radhajeyalakshmi (Pl.Pathology)	July 2016 To June 2019	Completion report submitted and got approved.	
11	CPPS/VGI/ENT/MA Z/2019/001	Influence of organics on the management of Fall Army Worm, <i>Spodoptera frugiperda</i> in maize under irrigated condition	Dr.N.M.Arivudainambi Asst. Prof. (Ag. Ent.) Dr.R.Radhajeyalakshmi Assist. Professor (Pl.Path.)	October - 2019 to September 2022	Ongoing	
12..	CPPS/VGI/ENT/MA Z/2019/002	Ecofriendly management of Fall Army Worm, <i>Spodoptera frugiperda</i> in maize under irrigated condition	Dr.N.M.Arivudainambi Asst. Prof. (Ag. Entomol.) Dr.M.Md. Amanullah, Prof. (Agron.)	October - 2019 to September 2022	Ongoing	
13.	V60 JC	Mass production and distribution of biocontrol agents	Dr.R.Radhajeyalakshmi Asst. Professor (Pl.Path.) Dr.N.M.Arivudainambi Assistant Professor (Ento.)	From April 2019 (Three years)	Venture Capital Scheme Ongoing	

14.	OFT	Weed Management options in irrigated hybrid maize	Dr.M. Senthivelu Asst. Professor (Agron.)	Kharif / Rabi 2020	To be conducted
15.	OFT	Management of leaf blight (<i>Alternaria alternata</i>) in <i>Gloriosa superba</i>	Dr.R.Radhajeyalakshmi Asst. Professor (Pl.Path.)	2020-21	To be conducted

Action Plan

S.No	Project No.	Title of the Project	Project Leader (s)	Period	Remarks
1.	Action Plan	Screening of maize inbreds and hybrids for drought tolerance	Dr. S. Lakshmi Narayanan, Associate. Prof. (PB&G) Dr. K.R.V. Sathya Sheela, Asst. Prof. (PB & G)	2020-21	Ongoing
2.	Action Plan	Germplasm characterization in Millets (Characterization of 100 maize lines)	Dr. K.R.V. Sathya Sheela, Asst. Prof. (PB & G)	2020-21	Ongoing
3.	Action plan DCM/VGI/AGR/MAZ/ 2020/001	Grain cum fodder production in maize based intercropping system under irrigated condition	Dr.M.Mohamed Amanullah, Professor (Agronomy) Dr.P.Thukkaiyannan Asst. Prof. (Agronomy)	Aug 2020 to Mar 2022	Crop sown on 18.08.2020
4.	Action Plan	Survey on major pests and diseases on millets and development of prediction models for Maize, Pearl millet, Sorghum	Dr.N.M.Arivudainambi Asst. Prof. (Ag. Ent.)	2020-21	Ongoing
5.	Action Plan	Development of FAW tolerant / resistant maize hybrids	Dr. S. Lakshmi Narayanan, Associate. Prof. (PB&G) Dr. K.R.V. Sathya Sheela, Asst. Prof. (PB & G) Dr.N.M.Arivudainambi Asst. Prof. (Ag. Ent.)	2020-21	New
6.	Action Plan	Biological control of Fusarium post flowering stalk rot	Dr.R.Radhajeyalakshmi Asst. Professor (Pl.Path.)	2020-21	Ongoing

7.	Action Plan	Development of decision support system for foliar diseases in maize	Dr.R.Radhajeyalakshmi Asstt. Professor (Pl.Path.)	2020-21	Ongoing
8.	Action Plan	Documenting the insect pest complex of sorghum earhead and evaluation of insecticides starting from milky stage	Dr.N.M.Arivudainambi Asstt. Prof. (Ag. Ent.)	2020-21	Ongoing
9.	Action Plan	Assessment of damage by birds in different millet crops Maize, Sorghum, Pearl millet	Dr.N.M.Arivudainambi Asstt. Prof. (Ag. Ent.)	2020-21	New

ICAR (Partly/Fully financed):-

S.No	Project Number	Title of the Experiment	Scientist Incharge	Period
1	AICRP/PBG/VGI/MAZ/005 - Breeding	ICAR- AICRP on maize	Dr. K.R.V. Sathya Sheela, Asstt. Prof.(PB&G)	2012 to 2020
2.	AICRP/PBG/VGI/MAZ/005 – Agronomy	ICAR- AICRP on maize	Dr.P.Thukkaiyannan Asst Professor (Agronomy)	2012 to 2020
3.	ICAR- Tribal sub plan scheme (C31QK)	ICAR	Dr.P.Thukkaiyannan Dr. K.R.V. Sathya Sheela	April 2019 to March 2020