

TAMIL NADU AGRICULTURAL UNIVERSITY

O/o The Registrar,
TNAU, Coimbatore

No. TNAU/VC - Review/ARS Bhavanisagar/18-19/No.37/ Date: 01.04.2019

PROCEEDINGS

Sub: TNAU –ARS, Bhavanisagar- Vice-Chancellor's review on 27.03.2019 and 28.03.2019 – Proceedings – Issued -Reg.

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The Vice-Chancellor, TNAU, Coimbatore reviewed the activities of Agricultural Research Station, Bhavanisagar on 27.03.2019 and 28.03.2019. Proceedings of the review is communicated for follow up action:

Farm

1. The following action is to be taken for proper utilization of fallow lands in Blocks of N,S, B,P and T.
 - a) Removal of bushes, shrubs and typha grass using earth moving equipment.
 - b) Formation of pits and irrigation channels using earth moving equipment.
 - c) Planting suitable tree species based on the recommendation of the expert team from FC&RI, Mettupalayam.
 - d) Detailed estimate may be prepared and sent for obtaining one time special grant for executing the above work.
 - e) Possibility of roping with TNPL and clonal testing by FC & RI, Mettupalayam may be also explored to reduce our budget cost
2. Contractual labour on "work basis" to be engaged for different farm operations following the university norms.
3. Agricultural Machinery Research Centre (AMRC) and Agricultural Machinery Manufacturers Association (AMMA) have to be contacted for improving the mechanization activities in the farm.
4. Seed production of millets and green manures like sunnhemp and daincha is to be included in the cropping programme.
5. "Used fish net" may be used for protecting the seed crops from wild boar intrusion by properly burying in the field.
6. The old defunct solar lights need to be rectified with latest model in consultation with Estate officer.

7. In view of scarcity of labour force, bed system has to be modified in tune with the available machineries /tools for all crops.
8. Block Officers in the cadre of Assoc. Professor / Professor for each block has to be identified for effective farm management.
9. All the Farm Managers must attend muster roll in time without fail for efficient farm management. Any lapses in this regard will be viewed seriously.
10. As ARS, Bhavanisagar contributes significantly for seed production of improved varieties, Head in consultation with Director (Seeds Centre) can prepare a mega proposal to meet the infrastructure requirements to improve the seed production.
11. Two wheel trailer sprayers and garden land weeders have to be purchased and utilized for effective intercultural operations.
12. Mother palms are to be identified for "seed nut collection" for elite seedling production from all the blocks to enhance the production of quality planting materials in coconut. For selection of mother plants, expertise from HC & RI, Coimbatore /CRS, Aliyarnagar may also be sought.
13. Construction of pump house is to be done after getting the opinion from the expert team in B Block.

Pungar block:

14. Vettiver plants need to be planted to avoid the soil erosion near the river bank.
15. Submersible pump (40 Hp) is to be purchased for pumping river water.

T block:

16. For rejuvenation, pruning of old mango (10 feet height) and amla (20 feet height) trees are to be carried out and disposal of lopping is to be done by following TNAU norms. The income generated is to be deposited in the RF scheme and utilized for farm development activities. This operation may be carried out with the help of contractors registered with FC & RI, Mettupalayam.
17. The period of pruning old trees may be communicated in advance to the Dean (Hort.), HC&RI, TNAU, Coimbatore, for practical exposure of the B.Sc.(Hort.) students to the above process.
18. In Guava, the upright shoot is to be cut back to one third of its height to induce flowering and fruiting.
19. The mother block of mango planted under high density planting system may be pruned back to six feet height during first fortnight of June, 2019.
20. The fallow lands available are to be cleared and planted with agro forestry species in consultation with Dean, FC & RI, Mettupalayam to overcome the deer menace.
21. The new jack variety from Thailand, Sidhu may be arranged to be planted along the avenues.

22. A technical assistant has to be engaged for assisting all the horticultural activities of the station during the absence of Assistant Professor (Hort.) with the approval of the University

Research

1. Problem and need based research projects have to be proposed in the respective disciplines. RREAC is to be conducted.
2. Professor (SS&AC) may contact Dr. Srinivasan, IISR, Calicut before finalizing the research project on improving the curcumin content of turmeric.
3. Professor (Pathology) may contact NRCB, Trichy before finalizing the research project on Sigatoka leaf spot in banana.
4. In the externally funded project on "Introgression of bruchid resistant gene(s) from *Vigna* genotypes into popular Mungbean (*Vigna radiata* L.) through marker assisted back cross breeding (GOI-DBT), evaluation of population of F₂ and BC₁ F₁ is currently in progress. Efforts to be made to raise more F₃ and BC₁ F₂ or BC₂ F₁ population to permit more transgressive segregants for embarking selection.
5. The number of external funded projects per available scientist is too low. All the scientists need to propose external funded projects within a frame of 4 to 5 months.

General

1. Proposal may be sent for engaging personnel for assisting office work, drivers for tractor and jeep on contractual basis utilizing the scheme funds with the approval of the University.
2. Requirement of funds for the station activities is to be forecasted head wise for the ensuing financial year.
3. Dr.R.Jegathambal, Professor (Seed and Science and Technology) must look after breeder seed production related activities.
4. Estimate is to be prepared in consultation with the Estate Officer for obtaining funds for the following proposals:
 - (i) Renovation of student's hostel for accommodating the students during study tour and RAWE programme.
 - (ii) Renovation of guest rooms for providing accommodation for the University Officers and other scientists.
 - (ii) Renovation of staff quarters.
5. Proposal may be sent for condemnation of old Jeep TN 38 X 6465.
6. Unutilized machineries which are out dated and cannot be repaired are to be condemned by getting special permission from the Vice-Chancellor.
7. Although the farm revenue is about 132 lakhs for this year (2018-19), considering the total extent of land, it is trivial and hence a target of Rs. 200 lakhs is proposed for the year 2019-20.

8. Unproductive VCS scheme viz., (a) Commercial production and distribution of banana suckers, fruits and leaves and (b) Mass production of *Trichoderma Viride*, *Pseudomonas fluorescens* and *pleurotus* spp may be proposed for closure.
9. Farmers interactive meeting on mandate crop to be arranged once in a quarter to express the impact of the station.

Action taken may be reported regularly.

(By Order of the Vice-Chancellor)


Registrar

To

The Professor and Head, ARS, Bhavanisagar

Copy to

The Director of Research/Dean FC & RI, Mettupalayam / Dean, HC &RI, Coimbatore/
Director (CPBG)/ Director (Seed Centre)/ Director (NRM)/ Director (Crop Management)/
Director (CPPS)/Estate Officer, TNAU, Coimbatore

The TPO to the Vice Chancellor for necessary follow up action.