

TAMIL NADU AGRICULTURAL UNIVERSITY

O/o The Registrar,
TNAU, Coimbatore

No. TNAU/VC - Review/RRS Paiyur /19-20 /No.86/ Date: 05.11.2019

PROCEEDINGS

Sub: TNAU - RRS, Paiyur - Vice-Chancellor's Review on 29th and 30th October, 2019-
Proceedings - issuance - regarding.

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Vice Chancellor visited the Regional Research Station, Paiyur and reviewed the administrative, research and developmental activities of the station on 29.10.19 and 30.10.19 and offered the following remarks which are detailed for further action:

A. General

1. Any modification required in the present objectives of the station, may be taken up after thorough discussion with the scientists and the Director of Research, TNAU, Coimbatore. The revised mandate of the station be classified as short and long term. In this regard, a proposal may be sent for approval through the Director of Research.
2. Attending frequent programmes at private institutions can be restricted / avoided.
3. The tree branches overlapping the buildings may be removed periodically to restrict the growth of branches at least 6 ft away from the buildings.
4. The plants growing on the walls of the buildings should be removed periodically.

B. Development works/Infrastructure maintenance

1. In the Quarters A2, A3, A4 and A5, repairing of electrical lines and replacement of damaged doors may be carried out to improve the living condition.
2. Renovation of two thrashing floors in H & G Blocks may be taken up. Funds may be requested from ERDF.
3. Action may be taken to transfer the hydraulic ladder available in the station to AMRC, Coimbatore on free basis. The Dean (Ag.Engg.) may be contacted for necessary action.
4. In the glass house at 'H' block, the broken glasses on the top may be replaced and insect mesh may be provided on the sides to utilize it for research purpose.
5. The old screen house in 'H' block may be repaired and utilized for entomology and pathology research works.
6. For the effective functioning of the Automatic Weather Station, a request may be sent to the ACRC, Coimbatore to depute a technical person for inspecting the instruments and to carry out repair works by utilizing the unspent balance.
7. Essential equipments may be purchased for maintaining the meteorological observatory. Funds may be requested from the Director, DCM, Coimbatore.
8. As the existing seedling progenies of *Annona squamosa* in 'E' block are found to be inferior in yield and quality, they may be removed and so that the space can be utilized for planting export varieties of mango following University norms.

9. The Date palm plants in 'D' block may be removed and the space should be utilized for mangc research following University norms.
10. The *Eucalyptus* trees grown along the fence in 'D' block cause disturbances to the mango clonal nursery with the overlapping branches. The trees may be lopped with the help of TNPL after obtaining technical opinion from the Dean, FC & RI, Mettupalayam and following the norms of the University.
11. The old dead mango stumps in the 'D' block may be removed and action may be taken to fill the gaps with suitable varieties following University norms.
12. The old guava trees in 'A' block may be rejuvenated by heading back to 6 ft height from the ground level.
13. In the 'E' block, the old unproductive mango cv. Peter tree (E 1/31) may be rejuvenated by hard pruning. For this, the central vertical growing branch may be cut at the base and also the lateral branches may be cut back to 10 ft length from the periphery.
14. The overgrown clonal plants of Urigam tamarind in 'D' block may be headed back to 6 ft height from ground level and the scions may be utilized for grafting purpose. In the 'H' block, the old tamarind tree branches overlapping on the thrashing floor may be removed. These should be properly disposed at the rates approved for fuel wood by the Sale price committee.

C. Administration

1. On account of the retirement of the existing Accounts Officer, request may be sent for posting one Junior Assistant.
2. One temporary post may be requested in RRS (Main) with consolidated wages of Rs.16000/- for utilizing the services of a person for typing and other office works.
3. One skilled worker (female) with 10+ 2 qualification may be engaged in VCS and trained for the production of Bio- Control agents and the analysis of soil and plant samples in the MRC laboratory with the approval of the University.
4. Under Core funding, necessary funds along with TA may be requested for engaging a student/ Technical person to do the survey and leaf analysis work in mango.
5. Th.M.Selvakumar, AO may be instructed to clear all the 57 pending audit objections before his retirement. Further, leave need not be sanctioned until the work is completed. His pension proposal may be forwarded after dropping the audit objections.
6. Dr. G.Guru, Associate Professor (Agronomy) has not handled any URPs or obtained any externally funded projects since his joining the station 6 months ago which clearly shows dereliction of duty only. Director of Research is directed to call for suitable explanation from both Dr. G. Guru and the Head for these lapses.

D. Research

1. The Professor and Head should propose one URP in Agronomy.
2. Dr.G.Guru, Associate Professor (Agronomy) has to submit the proposals for the new URPs on Integrated approach for weed management in Ragi and Mechanised weeding in rice under SRI system immediately.
3. In the redgram transplanting technology, the holding container / poly bag may be replaced with cost effective self degrading material.
4. *Solanum torvum* (Sundakai) may be raised in the farm for utilizing as rootstock for grafting brinjal.

5. There is a good diversity in red sorghum and the short listed five varieties of red sorghum may be analyzed for the nutrient contents including Vitamin A at the Community Science College and Research Institute, Madurai.
6. The evaluation of short duration red sorghum may be done during normal season and advanced in all seasons to speed up the process for successful outcome.
7. In horsegram, light plays a vital role and few plants may be tested under glasshouse condition to study their photosensitivity.
8. Promising mochai varieties available in the Mysore - Chamrajnagar- Mudigare area may be collected during January and included in the research programme.
9. The two plant breeders may jointly give a proposal for getting funds from the DAE / BRNS for conducting mutation studies in pulses.
10. New crop viz., Moth bean may be explored for pulses promotion.
11. The ATL 1 Little millet variety released from the Centre of Excellence in Millets, Athiyandal may be promoted in the farmers holdings through the State Department of Agriculture/KVK.
12. Entering a Memorandum of Understanding (MOU) with Farm Gate may be explored to link cluster farmers at Uthangarai for the production of quality produce in ragi. The Director (Agribusiness Development) may be contacted in this regard.
13. A cost effective mechanization for ragi may be developed in collaboration with the AMRC, Coimbatore.
14. A new project proposal on evolving IPM package for the management of anthracnose disease in mango may be proposed. A new protocol should be developed duly including the operations such as spraying on the bark of the tree and soil basin since manifestation of the inoculum occur throughout the year. Basic studies on epidemiology may be done.
15. The IPM package for the management of sucking pests under protected cultivation may be informed to the JDA, Krishnagiri for dissemination of the technology in the district.
16. The Professor and Head, Department of Fruit crops, HC & RI, Coimbatore may be contacted to supply a few grafts of the mango rootstock variety 13-1 and the same may be planted in RRS, Paiyur.
17. In progressive mango farmer's field, leaf analysis for nutrients may be done at critical stages viz., floral initiation, flowering, fruit development, after harvest etc., to assess the nutrient uptake pattern and nutrient requirement. This may be done for different varieties with different yielding and age group. For sampling procedures, the article of Bhargava *et al.*, (1993) on leaf nutrient guide for fruit crops appeared in Adv. in Horticulture Vol.2 may be referred.
18. M.Sc. / Ph.D students may be requested to work on mango leaf analytical studies.
19. In HDP mango, pruning may be done at one inch below the whorl level. Soft wood grafts of Bangalora and Neelum may be planted along the row at 2m spacing.
20. In UHDP, heading back may be done at 2.5 ft height from the ground level, with a slanting cut with application of NPK fertilizers @ 1:1:2 ratio.
21. The young clonal mango plants under pandal may be removed and utilized for growing cucurbits.
22. Few plants in each of the two varieties of *Annona squamosa* viz., Balanagar and Dharur 6 may be requested from ARS, Aruppukottai and planted in the farm.
23. The clonal nursery of Alphonso planted at 2mX2m may be converted to 4m x2m UHDP unit by removing intermediate plants and maintained as a demonstration plot with drip and fertigation system.

24. The horticulture scientists along with the Professor and Head may visit the Jain irrigation unit at Udumalpet within 10 days to understand the practices followed in UHDP in mango.
25. Dr.Kiran Kumar, Professor and Head, FRS, Sangareddy may be contacted for getting the advice on the usage of ethylene in mango ripening chamber.
26. Roving survey may be periodically done by the Plant protection scientists to monitor the pest and disease incidence / outbreak in the district and for documentation.

Action taken may be reported regularly.

(By order of the Vice-Chancellor)


Registrar 5/11/19

To
The Professor and Head, RRS, Paiyur
CC: Director of Research, TNAU, Coimbatore
TPO to the Vice – Chancellor, TNAU, Coimbatore for follow up.