

TAMIL NADU AGRICULTURAL UNIVERSITY

O/o The Registrar,
TNAU, Coimbatore

No. TNAU/VC - Review/ARS, BSR/20-21 /No.37-III/ date: 01.09.2020

PROCEEDINGS

Sub: TNAU - Vice-Chancellor's visit – ARS, Bhavanisagar on 29.08.2020 - Proceedings - Issuance - regarding.

Ref: This office earlier proceedings 37, 37- I and 37-II dt. 01.04.2019, 06.08.2019 and 04.02.2020 respectively.

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The Vice-Chancellor, TNAU visited the different experimental trials and blocks of ARS, Bhavanisagar on 27.08.2020 FN. The following are the remarks suggested for adoption.

Northern Block

1. West Indian cherry available may be used for multiplication and distribution to the nearby schools on cost by writing to the District Collector, Erode and also to the needed farmers.
2. Pruning of sapota trees available in F.No.NC 28 is to be done just above third tier level.
3. About ten acres of area in F.No. NB 2 to 4, NC 21 to NC 26, NC 29 to NC 32 along with New area presently covered with *Prosopis juliflora* and unwanted shrubs and bushes may be cleared including its boundaries and the land be brought back into cultivation with coconut or any other suitable crop and proposal may be sent accordingly.
4. Considering the shortage of labour, the composting pit presently meant for doing vermicomposting may be tried with biomineraliser.

Southern Block

1. Larger area at the entrance of the block and 13.50 acres in A3, A10, B 1 to B7, M3 area need to be cleared. Detailed proposal may be submitted to meet the expenditure and the land can be brought under rice cultivation. The Vice - Chancellor also witnessed use of power weeder in rice and use of drum seeder. A comprehensive proposal with full justification and pay back schedule may be submitted for use of machineries from field preparation upto post harvest as there is scope for increasing the seed production in rice.
2. The paddy transplanter available at AEC&RI, Coimbatore be made available at ARS, Bhavanisagar till September 2020 and considering the larger area need to be transplanted. However, a proposal to purchase a paddy transplanter for ARS, Bhavanisagar from Venture Capital scheme on rice funds be submitted after having discussions with the engineers on the type of transplanter that would suit the lands available in the Station.
3. Coconut seedlings may be planted in gap areas and on road side.
4. Cleaning of 'S' Block fence from unwanted plants and shrubs to be done.

Pungar Block

1. A detailed proposal with the budgetary requirements for bringing drinking water supply to the block be submitted.
2. As there is a need for involving JCB for cleaning the fields, the JCB bought at TNAU, Coimbatore for use in Western Zone will be allotted to ARS, Bhavanisagar for one month during January 2021.
3. New planting and gap filling of coconut seedlings on road side to be done.
4. Vacant land of 1.0 ac of F.No.40 may be planned for planting forest tree species.

Bagaduthurai Block

1. The uncultivable area of 5.0 ac in Field No. NE 1, NE 2 & NE 3 presently covered with *Prosopis juliflora*, unwanted shrubs and bushes may be cleared and the land be brought back into cultivation with *Eucalyptus* or other suitable tree species after having discussions with the scientists of FC&RI, Mettupalayam /TNPL.
2. An article highlighting the mechanized cultivation of various varieties of rice and their economics be sent for publishing in Valarum Velanmai. Machine transplanting of rice may be also disseminated through TNAU 'You tube'.
3. Possibilities for laying tap system of irrigation for coconut may be explored in consultation with Director, WTC.
4. Gap filling of coconut trees and new plantings of coconut seedlings is to be done.

Thoppam palayam Block

1. Considering the acute scarcity for labours, a detailed proposal for purchasing a mini tractor with pay back schedule be submitted.
2. Use of machinery, especially for weeding and earthing up in turmeric needs to be studied in consultation with Head, Farm Machinery, TNAU , Coimbatore.
3. New sprouts in pruned mango trees are to be thinned as demonstrated by the Vice- Chancellor at the earliest and one more top dressing with NPK fertilizer @ 1.5 to 2 kg/tree to be given during September 2020.
4. Tipping to be done in Guava trees.
5. Proposal for laying of pipeline in grid for mango trees may be submitted for consideration.
6. Proposal to go for "solar pumping" to be explored in view of heavy cost to get 3 phase from TANGEDCO.

Progress made by the individual scientist was reviewed in the Afternoon and the remarks made are detailed for further follow up.

A. General:

1. Funds for the farm related activities and other expenditures may be met from various revolving fund schemes being operated at ARS, Bhavanisagar.
2. Machineries may be evaluated /demonstrated for earthing up and weeding in turmeric.

3. Farm mechanisation is to be implemented for the major crops which are under cultivation in Western zone as this is the lead centre for this agro climatic zone.
4. Technical support for the improvement of research activities can be obtained from various Departments in main campus of TNAU, Coimbatore.
5. Priority may be given to carry out the research works.
6. This centre has to meet the demand of quality seeds of farmers of the entire State.
7. Specific proposals may be given for improvement of different blocks of the research station.
8. Proposal may be given to purchase farm machineries for farm mechanisation.
9. Special efforts to be taken to take under planting /new planting with coconut seedlings on both sides / one side of the farm road so as to increase the revenue in the long run.
10. As TNAU and TNPL have signed a MoU, TNPL has agreed to take up planting of tree species in all vacant lands of all the blocks in ARS, Bhavanisagar. Hence, consolidated report to be submitted immediately in consultation with Dean, FC & RI, Mettupalayam.
11. JAO, Agricultural Supervisors, AAO's are to be effectively used in the farm as per the earlier proceedings issued by the Registrar. (Proc.No. A4/00813/2020 dt. 24.03.2020).

B. Scientist specific remarks:

Dr. Dr. Sangeetha Panicker, Professor (PI. Patho.)

- The production of *Pseudomonas* may be stopped until further communication from the University.
- OFT experiment to be conducted in farmers' field with regard to silica application in turmeric.

Dr. D. Muthumanickam, Professor (SS&AC)

- For turmeric URP, the existing high yielding turmeric culture (BS 9) has to be tested instead of BSR 2 turmeric variety during the next year trial.
- The micro nutrient mixture available at the Department of SS&AC, TNAU, Coimbatore need to be tested in large scale demonstration both in research station and at farmer's field by getting technical support from the Director, NRM, TNAU, Coimbatore for turmeric and rice crops.
- As suggested earlier for decomposition of farm wastes, the Bio mineralizer may be utilised. The vermicompost Venture Capital Scheme may be closed.

Dr. R.Jegathambal, Professor (SS&T)

- Proposal may be sent for seed production of newly released rice varieties.
- To meet the increase in recurring cost, the MSP RF ASO may be revised and increased targets are to be achieved.
- Research publications may be strengthened.

Dr. S.Easwaran, Assoc. Professor (Hort.)

- Rejuvenation process in mango has to be continued.

- For the better establishment of tree crops, TNAU rhizo booster consortium released by the Dept. of Nano Science and Technology may be tried.
- Thornless Khejri tree leaves may be promoted as fodder for live stocks.

Dr. D.Malarkodi, Assoc. Professor (SS&T)

- In doubling the farmers income project, the final income may be compared with baseline survey data.
- Must undertake the quality seed production in a sizable area.

Dr. D. Malarvizhi, Assoc. Professor (PB&G)

- New project proposal has to be sent for varietal development and improvement of crops which are suitable for Erode district like redgram and greengram.
- In the URP on "Maintenance breeding in redgram BSR 1", the project duration may be reduced to 3 years instead of 5 years in consultation with the Director (CPBG), TNAU, Coimbatore.
- Proposal may be sent for the student SRF in DBT scheme for conducting research works at ARS, Bhavanisagar.
- Dr. K.Ganesan, Asst. Professor, Agricultural Entomology may be involved in GOI-DBT Mungbean scheme for the study of Bruchids.
- Under the guidance of Dr.N.Senthil, Professor (Biotech), molecular work of GOI-DBT Mungbean scheme may be carried out at CPMP lab , TNAU, Coimbatore.

Dr. A.Valliammai, Asst. Professor (SWCE)

- Machineries available in Dept. of Farm Machinery, TNAU may be evaluated for farm mechanisation in different crops at ARS, Bhavanisagar.
- Water release from the dam vs ground water recharge pattern may be studied considering the farm and farmer's holdings.

Dr. N.Satheeshkumar, Asst. Professor (Agronomy)

- OFT on organic rice experiment field should be free from inorganic source during the entire cropping period.
- If possible, considering the conditions laid out, a block of fields (say 1-2 acre) may be converted as organic block for undertaking research in various crops.

Dr. V.Vakeswaran, Asst. Professor (SS&T)

- Proposal may be sent for increasing sunnhemp seed production target in place of Daincha as it was reported that harvesting is easy for sunnhemp and there is a local demand.
- Under TN-IAMP project, success stories with farmers feedback may be documented and published in Valarum Velanmai.
- Seed production studies in fodder cowpea is to be initiated.

C. Office review:

- Proposal for repairing the staff quarters of the supporting and non teaching staff may be sent for consideration.

Action taken may be reported regularly

(By Order of the Vice-Chancellor)


Registrar 1/9/2020

To

The Professor and Head, ARS, Bhavanisagar

CC: The Dean, HC &RI, Coimbatore / Director (CPBG) / Director (NRM) / Director (WTC) /

Director, Crop Management /Dean, FC &RI, Mettupalayam/ Dean, AEC & RI / EO, TNAU, Coimbatore

The Director of Research, TNAU, Coimbatore to have a regular follow up action.

The TPO to Vice-Chancellor for follow up.

