Consolidated Training Report

‘Agroforestry Models : Establishment and Management’

to the field functionaries of Tamil Nadu Forest Department

Funded by

Tamil Nadu Biodiversity Conservation and Greening Project for Climate Change Response (TBGPCCR)

Chennai

Organized by

ICFRE-Institute of Forest Genetics and Tree Breeding

Coimbatore

2025

Consolidated Training Report

‘Agroforestry Models : Establishment and Management’

to the field functionaries of Tamil Nadu Forest Department

Funded by

Tamil Nadu Biodiversity Conservation and Greening Project for Climate Change Response (TBGPCCR)

Chennai

Organized by

ICFRE-Institute of Forest Genetics and Tree Breeding

Coimbatore

2025

Consolidated Training Report

'Agroforestry Models : Establishment and Management'

to the field functionaries of Tamil Nadu Forest Department

Organized by

ICFRE -INSTITUTE OF FOREST GENETICS AND TREE BREEDING

COIMBATORE

Background and Rationale

Demand for large scale development of plantations with economically important indigenous tree species through Tree Cultivation in Private Land (TCPL) programme has been progressively increasing in the recent past. Tamil Nadu Forest Department is on a mission to increase the tree cover in forest and farmlands to address the climate change issues, which is one of the main components of the State's Forest Policy. Besides enhancing tree cover on private farm lands and other non-agricultural lands outside forest areas, the programme also envisages better livelihood security of farmers. It is felt in the era of expanding frontiers in tree improvement; it has become very important to develop expertise, within the Forest department, in such specialized areas.

Accordingly, the training on '**Agroforestry Models: Establishment and Management'** for the field functionaries of Tamil Nadu Forest Department was proposed to impart technical knowledge on choice of species, maintenance of soil health, cultivation techniques for important tree species, tree-crop interactions, TreeGenie digital platform, etc. for the field functionaries will enable them to integrate best practices in farmland under agroforestry. ICFRE-IFGTB organized 20 series of trainings and in total 737 field functionaries *viz.*, Assistant Conservator of Forests, Forest Range Officers and Foresters were benefitted from various forest divisions of Tamil Nadu. The training was sponsored by Tamil Nadu Biodiversity Conservation and Greening Project for Climate Change Response (TBGPCCR), Tamil Nadu Forest Department.

The 20 series of trainings were conducted from January to April, 2025 and the details are furnished below.

Date	No. of participants
28.01.2025	46
30.01.2025	42
04.02.2025	44
06.02.2025	39
13.02.2025	44
18.02.2025	40
20.02.2025	42
25.02.2025	42
27.02.2025	33
04.03.2025	35
06.03.2025	40
11.03.2025	36
13.03.2025	34
18.03.2025	38
20.03.2025	37
25.03.2025	35
27.03.2025	35
03.04.2025	31
08.04.2025	05
09.04.2025	39
Total participants	**737**

The 1st training programme was organized on 28.01.2025 at ICFRE-IFGTB. During the programme, Shri. Srinivas R Reddy, IFS, PCCF & HoFF, Chennai graced the occasion for Inaugural session as Chief Guest. Shri Mohammed Shabab, IFS, Conservator of Forests, graced the event as Guest of Honour. Shri. Srinivas R Reddy, IFS, PCCF & HoFF, Chennai during his inaugural address, emphasized on the need for institutional linkages on packages of practices for increasing productivity, market linkages with wood-based industries, management of pest and diseases, tree-crop interactions, selection of tree species based on soil type, etc. and the same should be transferred to farmers effectively for their higher economic returns. He also advised the field functionaries that, maintain the contact with the scientists of ICFRE-IFGTB for their technical inputs and quality seeds and planting materials.

Shri. Srinivas R Reddy, IFS, PCCF & HoFF addressing to the field functionaries of TNFD

Shri. I. Anwardeen, IFS, PCCF & Chief Project Director, TBGPCCR, Chennai graced the occasion for Inaugural session as Chief Guest on 30.01.2025. During his inaugural address he emphasized the need for field functionaries to enhance their latest knowledge in package of practices in selection of tree species based on soil type, optimum spacing, production of QPM, Yield & economics of different agroforestry systems and marketing of agroforestry products. He advised the forest officials to maintain a constant connection with scientists of ICFRE-IFGTB for obtaining the latest research results and for transfer of research results from lab to land. He expressed his deep gratitude to ICFRE-IFGTB for hosting the training and encouraged forest officials to adopt the showcased technologies, particularly utilizing quality planting material to enhance productivity. He also requested the participants on the maximum use of digital interactive platform - Tree Genie developed by ICFRE-IFGTB.

Shri. I. Anwardeen, IFS, PCCF & Chief Project Director, TBGPCCR, addressing to the field functionaries of TNFD

Dr. M. Surya Prakash, IFS (Rtd.), Consultant for TBGPCCR scheme, graced the occasion as Chief Guest on 25.02.2025 and observed the training module imparted to the field functionaries of TNFD. During his address, highlighted the role of TNFD officials in transferring scientific research results to the end users especially farmers. He informed that, tree planting as agroforestry component played a significant role in providing both economic and environmental benefits. Also, agroforestry models generating employment opportunities to the rural poor. He also added that TBGPCCR scheme on 'Agroforestry' contributes significantly to increasing tree cover in Tamil Nadu, aligning with India's Green India Mission to combat the climate change. The consultant advised the field functionaries that, the tree growers who all are participated in the TBGP programme, must practice agroforestry systems i.e. incorporation of annual crops for food production, fodder, etc. He also requested ICFRE-IFGTB to get feed back from the participants regarding their requirements for example, species information, soil suitability, soil atlas, package of practices of important tree species *viz.*, Team, Mahogany, Red Sanders, Sandal, etc.

Dr. M. Surya Prakash, IFS (Rtd.), Consultant for TBGPCCR, discussing with the field functionaries of TNFD

Shri. Vismayu, IFS, Conservator of Forests, Secretary, TrekTamil Nadu, Tamil Nadu Forest Department graced the occasion as Guest of Honour in the Valedictory session on 13.03.2025. During his address he highlighted that Agro-forestry is necessary not only for increasing the tree cover but also to ensure that the on-going agricultural activities in the State. Agroforestry models should be economically viable, environmentally suitable and economically sustainable and the same can be transferred to the field condition for the benefit of tree growers/farmers. These agroforestry models will improve the overall productivity and maintain the agrobiodiversity and soil health. He also informed the participants that, forest products from agroforestry models not only reduce the farmers demand on small timber but also agroforestry bridge the gap between demand and supply of wood. He also added that enhancing productivity can be achieved by adapting improved planting materials and advanced technologies in plantation management. He also appreciated ICFRE-IFGTB for their support in organizing such training programs for the field officials.

Shri. Vismayu, IFS, Conservator of Forests, Secretary, Trek Tamil Nadu, Tamil Nadu Forest Department during the discussion with the field functionaries of TNFD

Remarks by Directors

Dr. C. Kunhikannan, Director, ICFRE-IFGTB during the TBGPCCR training series highlighted the technologies developed by ICFRE-IFGTB and also emphasized the need of networking between research institution like ICFRE-IFGTB and TNFD to work together for improving the tree cover. Further, this network will benefit the stakeholders on better reach of tree cultivation techniques, blending forestry and agriculture for improved productivity and sustainable income. He also added that tree cultivation techniques help farmers to incorporate the current scientific advances and technology tools through the trained TNFD Officials. Director advised the field functionaries to maintain the constant interaction with ICFRE-IFGTB scientists for updation on latest research inputs which are need to be transferred from lab to land and very much useful to the tree growers.

Dr. R. Yasodha, Director (I/c), ICFRE-IFGTB thanked the TNFD for considering ICFRE-IFGTB for imparting training on 'Agroforestry models' to the field functionaries of TNFD and praised TNFD for implementing 'Agroforestry' projects in farm field for increasing tree cover, increase in overall farm productivity and net farm income. Director informed to the participants that, ICFRE-IFGTB has developed different agroforestry models, various products *viz.*, TC-Teak, Casuarina hybrid clones and technologies including ICT platform and these technologies need to be transferred to the tree growers through field functionaries of TNFD. The success of the tree plantations highly depends on scientific management and timely intervention. Director also informed the gathering about the importance of periodical surveillance i.e. pest and disease management. Yield calculators will be more useful and can be utilized in a better way for maximizing the farm income.

Technical Sessions

The theme and sessions of the training programme were carefully designed to equip the field functionaries of TNFD with latest tree improvement technologies and proven package of practices of important tree species including silvicultural practices, yield & economics, marketing avenues, etc. Technical sessions were handled by senior scientists with special reference to 'Agroforestry models' that are presently practiced in different agroclimatic zones of Tamil Nadu. Apart from in-house lectures, demonstrations of on selected techniques were also imparted *viz.,* clonal technology, TC technology, etc. Visits to Seed Science, Soil Science, Tissue Culture, Bioprospecting and Forest Pathology laboratories were also arranged to the trainees.

The titles covered in the training and resource persons are furnished as below.

Sl. No	Resource person	Topic covered
1.	Dr. A. C. Surya Prabha, Scientist E	Soil Profile and Nutrient Management under Agroforestry System
2.	Dr. C. Buvaneswaran, Scientist G	Tree Crop Interaction under Agroforestry system
3.	Dr. S. Saravanan, Scientist G	Silvicultural Management of Important Tree Species
4.	Dr. Rekha R Warrier, Scientist G	Cultivation practices of Tissue Culture Teak
5.	Shri Maria Dominic Savio, Scientist E	Red Sanders Cultivation
6.	Dr. A. Karthikeyan, Scientist G	Pest and Disease Management in nursery and agroforestry
7.	Shri. P. Chandrasekaran, CTO	TreeGenie - Digital Interactive Platform
8.	Smt. K. Shanthi, CTO	Vegetative Multiplication Techniques

The schedule of the training is given below.

TECHNICAL SESSION	
10.30 – 11.15	Soil profile and Nutrient management under Agroforestry system ***Dr. A. C. Surya Prabha, Scientist E, ICFRE-IFGTB***
11.15 – 12.00	Tree Crop Interaction under Agroforestry system ***Dr. C. Buvaneswaran, Scientist G, ICFRE-IFGTB***
12.00 -12.45	Red Sanders Cultivation practices ***Shri. Maria Dominic Savio, Scientist E, ICFRE-IFGTB***
12.45 – 01.30	Silvicultural Management of Important Tree Species ***Dr. S. Saravanan, Scientist G, ICFRE-IFGTB***
02.30 – 03.00	Visit to Vegetative Multiplication Garden ***Smt. K. Shanthi, CTO, ICFRE-IFGTB***

03.15 – 03.45	TreeGenie –Digital Interactive Platform ***Shri. P. Chandrasekaran, CTO, Extension divn., ICFRE-IFGTB***
03.45 – 04.15	Tissue Culture Teak Cultivation ***Dr. Rekha R. Warrier, Scientist G, ICFRE-IFGTB***
04.15 – 05.00	Pest and Disease Management ***Dr. A. Karthikeyan, Scientist G, ICFRE-IFGTB***

The participants were also taken to Vegetative Multiplication Garden and Smt. K. Shanthi, CTO gave inputs on the concepts of establishment of VMG, collection of cuttings from Mother Bed chambers, vegetative multiplication garden and coppice shoots, etc. They were also given inputs on the various advanced methodologies practiced by ICFRE- IFGTB in clonal propagation of Eucalyptus, Casuarina and other important indigenous tree species.

Lecture series

1. Soil profile and Nutrient management under Agroforestry models - Dr. A. C. Surya Prabha, Scientist E

In the technical session, Dr. A. C. Surya Prabha, Scientist E explained in detail about the soil profiles and implementing effective nutrient management for sustainable agroforestry. She informed that Soil profiles provide insights into soil structure, fertility, and suitability for different crops and tree species and it will help in nutrient management and optimum utilization of resources for maximum productivity. She highlighted on the importance of soil health, soil fertility, and balanced fertilization for sustainable management of agroforestry. She also introduced about Forest Soil Health Cards to the participants, where-in she highlighted that the Forest Soil Health Cards of different forest divisions are released in a phased manner by ICFRE-IFGTB. In the same manner, preparation of soil health cards for block level will be useful to identify the problems related to soil, enhance the productivity and recommend management practices to the farmers. She added that, this will also help in monitoring the soil quality and carbon stock over time and evaluating the impact of various interventions on soil health which will contribute to the national and global efforts to combat climate change and promote sustainable development. The speaker introduced the 'Soil Atlas' to the participants which is containing all the information related to soil and keeping one book at Range Office level will help to understand the type of soil, soil depth, cropping

pattern, productivity, soil nutrient status and management, etc. She also explained about common deficiencies in tree species due to lack of nutrients and their management practices.

2. Tree Crop Interaction under Agroforestry model- Dr. C. Buvaneswaran, Scientist G

Dr. C. Buvaneswaran, Scientist-G, in his lecture, provided an insightful overview of the fundamental principles of agroforestry and the various types of interactions between trees, soil and crops within the model. He emphasized that understanding these tree-crop interactions is key to developing effective strategies for enhancing the overall productivity of agro-ecosystems. He highlighted several positive outcomes of such interactions, including:

i) maintaining year-round land productivity, especially in rainfed agriculture

ii) promoting three-dimensional land use by integrating tree components

iii) offering a "safety net" through tree roots that absorb excess fertilizers

iv) facilitating nutrient uptake from deeper soil layers

v) boosting crop yields

vi) conserving soil and enhancing soil fertility

vii) contributing to soil carbon sequestration and improving soil water retention and

viii) supporting the long-term sustainability of agriculture

Dr. C. Buvaneswaran also addressed the potential downsides of tree-crop interactions, such as competition for essential resources *viz.*, light, water and nutrients. These can result in negative effects such as shading and root competition. To counter these challenges, he discussed several management strategies aimed at minimizing the adverse impacts. These include

i) maintaining optimal tree density

ii) ensuring proper spatial arrangement and

iii) conducting regular pruning and thinning of tree crowns and roots.

He concluded by understanding the effective management of tree-crop interactions is crucial for optimizing the benefits of agroforestry models.

3. Red Sanders – Lord's Own Tree – Shri. Maria Dominic Savio, Scientist E

Among the farmers of Tamil Nadu, Red Sanders occupies prime position Shri. Maria Dominic Savio, Scientist-E gave Inputs and shared knowledge with participants on Red Sanders description, Taxonomy & uses, Natural distribution, Climate and soil requirements, Heartwood Formation, Cultivation packages, felling cycle, Indian legislations on felling and transit rules of Red sanders. He also touched the International treaty/convention on Red sanders- IUCN Red list, role of CITES on export, etc. He highlighted on the Prospects & problems, Domestication prospects of Red Sanders, Challenges in Red Sanders protection, Value Addition & Commercialization of Red Sanders. During the discussion, the speaker showcased some of the value-added products made from Red Sanders.

4. Silvicultural Management of Important Tree Species - Dr. S. Saravanan, Scientist G

Dr. S. Saravanan, Scientist G during his lecture explained in detail about the Silviculture practices of important tree species *viz.*, Casuarina, Teak, Mahogany, Red Sanders, Melia and Gmelina for higher production. Through careful site selection, planting of QPM, following thinning regimes, timely pruning, fertilization, frequent irrigation and pest & disease management practices. These species can be effectively managed under agroforestry model under farm land condition to meet the demand for valuable hardwood. He also highlighted about yield and economic value and marketing avenues.

5. Tissue Culture Teak Cultivation - Dr. Rekha R. Warrier, Scientist G

Dr. Rekha R. Warrier, Scientist G explained in detail about Teak Tissue culture clones developed by ICFRE-IFGTB. The speaker shared the demand of Teak QPM, need of mass multiplication of teak, etc. Also, the speaker shared the information on TC-Teak planting techniques, precision silvicultural techniques along with Casuarina to arrest side branches & faster height growth, growth pattern in various parts of India, etc. to the participants. Also, the speaker shared the success stories of Teak practiced in the state of Chhattisgarh as Teak is considered as 'Agri-crop'. She explained about the ICFRE-IFGTB works in conducting on-farm field trials and supply of tissue culture teak plants to state forest departments of various states. She highlighted that ICFRE-IFGTB has standardized the tissue culture protocol for large scale multiplication and the same was transferred to private TC labs by signing of MoU. This will facilitate for mass multiplication and supply of TC-Teak to different stakeholders.

6. Pest and Disease Management in Nursery and plantations of commercially important Tree species - Dr. A. Karthikeyan, Scientist-G

Dr. A. Karthikeyan, Scientist-G, explained in detail about pest and disease management practices in nurseries and plantations of commercially important tree species viz., Teak, Gmelina, Casuarina, Melia, Mahogany, sandal, Red Sanders, etc. The speaker discussed in detail about different types of pests which are causing damages to various stages of tree species and their control measures i.e. mechanical, chemical, biological and integrated management techniques. He explained about the pest calendar prepared by the ICFRE-IFGTB to the trainees for effective control of various pests. During the discussion on diseased, the speaker elaborated various symptoms, causing organisms and their control measures. During the lecture, the speaker taken the participants to the nursery and showed some of the common pests presents in different seedlings and their effective control measures.

7. 'TreeGenie - Digital Interactive Platform' – Shri. P. Chandrasekaran, Chief Technical Officer

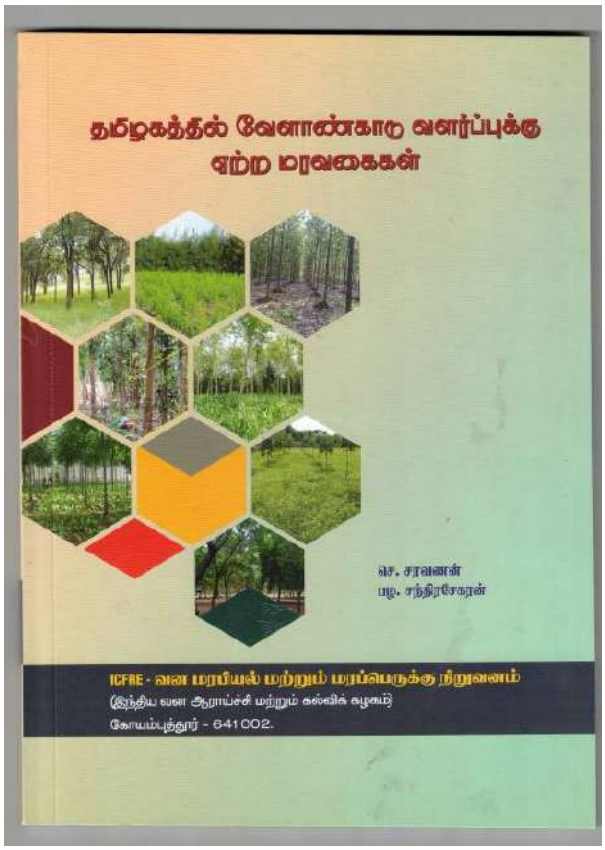
In the technical session, Shri. P. Chandrasekaran, Chief Technical Officer, delivered the scope of 'TreeGenie - Digital Platform' developed by ICFRE-IFGTB to the participants. He highlighted the general and specific information about the App, stakeholder specific contents, package of practices developed by the institute, etc., Also providing information on media, relevant links, wood-based industry updates, common circulars, news & events, Govt. & Forest department schemes and circulars. Also, he explained about 'Ask Expert' a special component in TreeGenie, which is connecting tree growers directly with the scientists for the real time solutions. The stakeholder who are downloaded the App, can send their technical doubts through text, voice message and by images to the individual subject expert or to admin. He also explained about how to use the directory of stakeholders, FAQs, RAQ, etc.

During the training, all the participants were successfully downloaded the TreeGenie App and free login was done by ICFRE-IFGTB for effective utilization of App.

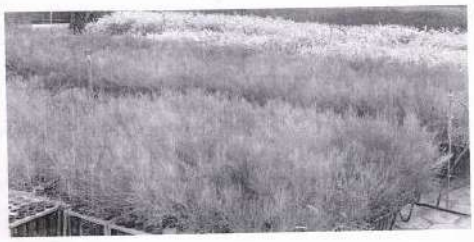
Reading Materials

During the training programme, participants were given an elaborative reading contents on the topics discussed during the training.

1. A book on 'Tree species suitable for Agroforestry systems in Tamil Nadu'. The book was prepared by ICFRE-IFGTB for the benefit of tree growers of Tamil Nadu. This book contains the complete package of practices and yield & economics for economically important tree species *viz.*, Casuarina, Sandal, Teak, Red Sanders, Mahogany, Ailanthus, Gmelina and Melia. Also, added elaborately on major pest and diseases symptoms and their control measures in nursery and plantation with images. This book will be very much useful for the field functionaries of TNFD and tree growers who are involving in establishment of agroforestry models in farmers' field.
2. Training manuals on Vegetative Propagation Techniques, Soil Profile and Nutrient Management were also provided to the participants.
3. Details of ICFRE-IFGTB Technologies & Products, contact numbers of Scientists for future correspondence.



குளோனல் இனப்பெருக்க முறைகள்
மற்றும் மேலாண்மை



Institute of Forest Genetics and Tree Breeding
(Indian Council of Forestry Research and Education)
An Autonomous Body of Ministry of Environment Forests & Climate Change
P.B. No. 1061, Forest Campus, R.S. Puram
Coimbatore - 641 029

TBGP

வேளாண்காடு வளர்ப்பில் மண் அமைப்பு
மற்றும் ஊட்டச்சத்து மேலாண்மை

பயிற்சிக் குறிப்பு

முனைவர் ஆ.செ. சூர்ய பிரபா
விஞ்ஞானி

ICFRE - வன மரபியல் மற்றும் மரப்பெருக்கு நிறுவனம்
கோயம்புத்தூர் – 641 002.

வனமரபியல் மற்றும் மரப்பெருக்கு நிறுவனம் (ICFRE - IFGTB)

(இந்திய வன ஆராய்ச்சி மற்றும் கல்விக்கழகம்)
அஞ்சல் பெட்டி : 1061, கோயம்புத்தூர் – 641 002.

நிறுவனத்தின் சேவைகள், தயாரிப்புகள், இடு பொருட்கள் மற்றும் உயர்ரக மர நாற்றுகள்

வகை		விலை ரூ.		வல்லுநர் / தொடர்பு அலுவலர்
நிறுவன தயாரிப்புகள்				
	ஆர்போர் ஈஸி® டி.என்.ஏ வை பிரித்தெடுக்கும் பெட்டகம்	பெட்டக விலை	கட்டுக் கட்டணம்	**முனைவர். மொதுமிதா தாஸ் குப்தா** முதுநிலை விஞ்ஞானி தொலைபேசி – 0422 2484115 அலைபேசி – 9894957110 மின்னஞ்சல் – ghoshm@icfre.org
	10 வேதிவினைகள்	950	150	
	20 வேதிவினைகள்	1900	200	
	50 வேதிவினைகள்	4750	300	
	ஹை-ஆக்ட் – இயற்கையான உயிரி பூச்சிக்கொல்லி	4237/லி.		**முனைவர். என். செந்தில்குமார்** முதுநிலை விஞ்ஞானி தொலைபேசி – 0422 2484193 அலைபேசி – 9629160703 மின்னஞ்சல் – senthilnk@icfre.org & **திருமதி. ஆர். சுமதி** தலைமை தொழில்நுட்ப அலுவலர் தொலைபேசி – 0422 2484169 அலைபேசி – 9942245542 மின்னஞ்சல் – sumathir@icfre.org
	டிரீபால்[H] – இயற்கையான உயிரி பூச்சிக்கொல்லி	4000/லி.		
	க்ரால் கிவீன் – தாவர பசுமை பூச்சிக்கொல்லி	125/கிலோ		
	டிரீ ரிச் பயோ பூஸ்டர் – வீட்டுத் தோட்டம் மற்றும் மாடித்தோட்டங்களுக்கான தயார்நிலை அங்கக செடி வளர் ஊடகம்	100/கிலோ		
	தாரா ரெட் – இயற்கை நிறமி கொண்ட பழ ஜாம்	60 / 200 கிராம்		
	ராயல் சீமா – செஞ்சந்தன குளியல் சோப்	50 / 50 கிராம்		
	IFGTB மூலிகை கிருமிநாசினி	600 / லி.		
	சேவைகள்			
	உயர் செயல்திறன் நிறப் பகுப்பாய்வு (HPLC)	2000 / மாதிரி		
	வளிம பொருண்மைநிரல் அளவு பகுப்பாய்வு (GCMS)	3700 / மாதிரி		
	மண் பரிசோதனை – (கார – அமில நிலை, மின்கடத்து திறன், அங்கக கரிமம், நுண் மற்றும் பேரூட்ட சத்துகள்)	3800 / மாதிரி		**முனைவர். ஏ.சி. சூர்யபிரபா** முதுநிலை விஞ்ஞானி தொலைபேசி – 0422 2484150 அலைபேசி – 8220368371 மின்னஞ்சல் – acsuryaprabha@icfre.org

வகை		விலை ரூ.	வல்லுநர் / தொடர்பு அலுவலர்
உயிர் உரங்கள் / உயிரி கட்டுப்பாட்டு காரணிகள்			
1.	என் - பிக்சர் ஃப்ராங்கியா	400 / லி.	**முனைவர். ஆ. கார்த்திகேயன்** முதுநிலை விஞ்ஞானி தொலைபேசி - 0422 2484164 அலைபேசி - 94433 74119 மின்னஞ்சல் - karthika@icfre.org
	வேம் (VAM) உயிர் உரம்	100 / கிலோ	
	டிரைக்கோ-கே	300 / லி.	
	அசோஸ்பைரில்லம்	300 / லி.	
	கே-மொபிலைசர்	300 / லி.	
	டிரைகோடெர்மா விரிடி	300 / லி.	
	பாஸ்போ பேக்டீரியா (PSB)	300 / லி.	
2.	மோனா - 20	300 / லி.	
	பயோ பேசிலின்	400 / லி.	
உயர்தர வன மர விதைகள் & மர எண்ணெய் வித்துகள்			
	யூக்கலிப்டஸ் கமால்டுலென்சிஸ் யூக்கலிப்டஸ் டெரட்டிகார்னிஸ்	15,000 / கிலோ	**முனைவர். ஆர். ஆனந்தலக்ஷ்மி** முதுநிலை விஞ்ஞானி தொலைபேசி - 0422 2484166 அலைபேசி - 93455 69036 மின்னஞ்சல் - lakshmir@icfre.org
	சவுக்கு	10,000 / கிலோ	
	ஜங்குனியானா சவுக்கு	12,000 / கிலோ	
	மாஞ்சியம், கத்திக்கருவேல்	7,000 / கிலோ	
	பெருமரம், தேக்கு	1,750 / கிலோ	
	சந்தனம், மலைவேம்பு, புன்னை	1,500 / கிலோ	
	வெள்ளை கடம்பு	10,000 / கிலோ	
	குமிழ், மணிப்புங்கன் (பூந்திக்கொட்டை)	1,300 / கிலோ	
	புங்கம், வேம்பு	1,100 / கிலோ	
	இதர வகைகள் மற்றும் முலாம்பூசிய விதைகள்	1,600 / கிலோ	
	பல்வகை மர விதை உருண்டை	6 / உருண்டை	
	விதைப்பந்து கலவை	450 / 1200 கிராம்	

உயர்தர மர நாற்றுகள்

வகை	கொள்கலன் வகை	விலை ரூ./ நாற்று	தொடர்பு அலுவலர்
யூக்கலிப்டஸ் குளோனல் நாற்று	60 மி.லி ஹைகோபாட்	6	**திருமதி. கே. சாந்தி** தலைமை தொழில்நுட்ப அலுவலர் தொலைபேசி - 0422 2484122 அலைபேசி - 9488450674 மின்னஞ்சல் - shanthik@icfre.org
ஜங்குனியானா சவுக்கு குளோனல் நாற்று			
கலப்பின சவுக்கு குளோனல் நாற்று			
திசுவளர்ப்பு தேக்கு நாற்று	60 மி.லி ஹைகோபாட்	35	
	பாலித்தீன் பையில்	55	

உயர்தர மர நாற்றுகள்					
வகை	**பெயர்**	**விலை ரூ. / நாற்று**			**வல்லுநர் / தொடர்பு அலுவலர்**
காற்றுத் தடுப்பான் சவுக்கு	சவுக்கு காற்றுத் தடுப்பான் குளோனல் நாற்று (ஹைகோபாட் கொள்கலனில்)	10			**முனைவர். சி. புவனேஸ்வரன்** முதுநிலை விஞ்ஞானி தொலைபேசி - 0422 2484198 அலைபேசி - 9442245047 மின்னஞ்சல் - buvanesc@icfre.org
	சவுக்கு காற்றுத் தடுப்பான் குளோனல் நாற்று (பாலித்தீன் பைகளில்)	பாலித்தீன் பை அளவு			
		10X20 செ.மீ	13X25 செ.மீ	20X30 செ.மீ	
		15	30	40	
	புன்னை குளோனல் நாற்று	30	40	50	**முனைவர். ஆர். ஆனந்தலக்ஷ்மி** முதுநிலை விஞ்ஞானி
	வேம்பு	20	30	40	
கூழ் மர வகைகள்	தைலம், சவுக்கு வேலமரம் சவுண்டால்	10	15	30	
சிறப்பு இனங்கள்	சந்தனம்	25	30	50	
	மலைவேம்பு	25	30	40	
	தேக்கு, மகோகனி	15	20	40	
	வெள்ளைக்கடம்பு	20	25	30	
	அலங்கார மூங்கில்	40	50	75	
	ஆலமரம், நாவல், வில்வம், வெள்ளை நுணா, புன்னை, மணிப்புங்கன், விளா மரம்	20	30	40	**திரு. ம. கணேசன்** தொழில்நுட்ப அலுவலர் அலைபேசி - 9944320614 மின்னஞ்சல் - ganesanm@icfre.org
	வேம்பு, புளியன், நாட்டு வாதுமை தூங்குமூஞ்சி மரம் இயல்வாகை, இலுப்பை, தேன்பழம் டூராண்டா	10	20	30	
	புங்கம், பூவரசு	15	20	30	
	சொர்க்க மரம்	20	30	40	
	மஞ்சள் கொன்றை	15	20	40	
	மருதம், அத்தி, குமிழ், ஆலமரம், மயில்கொன்றை	10	20	40	
	மூங்கில் (ஓர் ஆண்டு வயது)	30	-	-	**திரு. மரியா டோமினிக் சேவியோ** முதுநிலை விஞ்ஞானி தொலைபேசி - 0422 2484222 அலைபேசி - 94425 59017 மின்னஞ்சல் - dominic@icfre.org
	மூங்கில் (ஓராண்டுக்கு மேல்)	60	-	-	
	செஞ்சந்தனம்	25	30	50	

நிறுவன வெளியீடுகள்		
வகை	**தலைப்பு**	**தொடர்பு அலுவலர்**
நூல்கள், கையேடுகள், சிற்றேடுகள், துண்டுப் பிரசுரங்கள், தொகுப்புகள், இதழ்கள் மற்றும் பிற வெளியீடுகள்	பலவகை தலைப்புகள்	**திருமதி. ஆர்.ஜி. அனிதா** தொழில்நுட்ப அலுவலர் தொலைபேசி - 0422 2484117 அலைபேசி - 9843699815 மின்னஞ்சல் - anithaarg@icfre.org

மரப்பயிர் சாகுபடி நுட்பங்கள்		
மரப்பயிர்	**வல்லுநர்**	**தொடர்பு விவரம்**
சவுக்கு	முனைவர். ஏ. நிக்கோடிமஸ்	தொலைபேசி - 0422 2484194 அலைபேசி - 9442559070 மின்னஞ்சல் - nico@icfre.org
யூக்கலிப்ட்ஸ்	முனைவர். வி. சிவக்குமார்	தொலைபேசி - 0422 2484178 அலைபேசி - 9486266526 மின்னஞ்சல் - sivav@icfre.org
திசு வளர்ப்புத் தேக்கு மலைவேம்பு	முனைவர். ரேகா வாரியர்	தொலைபேசி - 0422 2484167 அலைபேசி - 9442918647 மின்னஞ்சல் - rekha@icfre.org
பெருமரம்	முனைவர். து. இராஜ சுகுண சேகர்	தொலைபேசி - 0422 2484109 அலைபேசி - 9443178516 மின்னஞ்சல் - sekardrs@icfre.org
வெள்ளைக் கடம்பு	முனைவர். ஆ. விஜயராகவன்	தொலைபேசி - 0422 2484191 அலைபேசி - 9894912714 மின்னஞ்சல் - avijay@icfre.org
சிவப்புப் புளி, இனிப்புப் புளி குமிழ்	திரு. அ. மாயவேல்	தொலைபேசி - 0422 2484162 அலைபேசி - 9443424458 மின்னஞ்சல் - mayavela@icfre.org
விரிவாக்கப் பணிகள் மற்றும் பயிற்சிகள்	முனைவர். எஸ். சரவணன்	தொலைபேசி - 0422 2484139 அலைபேசி - 6382500638 மின்னஞ்சல் - saravanans@icfre.org

மின்னணு விரிவாக்கம் (Digital Extension)

நமது நிறுவனம் குறித்த விவரங்கள், பணிகள், சேவைகள், முக்கிய நிகழ்வுகள், மரப்பயிர் குறித்த தொழில்நுட்பத் தகவல்கள், விஞ்ஞானிகளுடன் கருத்து பரிமாற்றம் போன்ற தகவல்களுக்கு **ட்ரீஜீனி அலைபேசி செயலியை** (TreeGenie Mobile App.) உருவாக்கியுள்ளோம். இதனை உங்கள் Google Play Store-ல் TreeGenie என பதிவிட்டு தரவிறக்கம் செய்து, உங்கள் அலைப்பேசியில் நிறுவி பயன்பெறலாம்.

சமூக ஊடகங்களில் ICFRE-IFGTB

பேஸ்புக், ட்விட்டர், இன்ஸ்டாகிராம், கூ, யூடியூப் ஆகிய சமூக ஊடகங்களில் பின் தொடர்ந்து நிறுவன செயல்பாடுகளை அறியலாம்.

வனமரபியல் மற்றும் மரப்பெருக்கு நிறுவனம் (ICFRE - IFGTB)
(இந்திய வன ஆராய்ச்சி மற்றும் கல்விக்கழகம்)
அஞ்சல் பெட்டி 1061, ஆர்.எஸ். புரம் (அஞ்சல்), கோயம்புத்தூர் - 641 002.
கோயம்புத்தூர் - 641 002.
தொலைபேசி : 0422 2484100, 2484101
மின்னஞ்சல் : dir.ifgtb@gmail.com, dir_ifgtb@icfre.org

Feedback session and Valedictory

During the feedback session, participants expressed a strong desire for more training, emphasizing its critical role in enhancing their skill development, especially at the ground level, which would greatly benefit the tree growers. They conveyed sincere appreciation to ICFRE-IFGTB for organizing such valuable training, acknowledging its pivotal role in shaping and implementing of future ToF programmes in a successful manner. The salient points observed during the feedback session were listed as follows.

1. The duration of training program shall be increased from one day to two days or more.
2. Exclusive training on Tissue Culture Teak shall be considered.
3. Inputs on Urban Forestry shall be given.
4. Hi-Tech Nursery training shall be provided.
5. Alternative timber species which are economically viable.
6. Field visits and meeting successful tree growers.
7. Tree insurance coverage sessions to be included.
8. Sessions related o Marketing linkage - A suitable market information system needs to be introduced to inform farmers about major buyers, prevailing prices trends and procedures etc.

The participation certificates were awarded to all trainees by the Director, ICFRE-IFGTB in recognition of their active involvement and successful completion of the training.

The Director, ICFRE-IFGTB acknowledging the following officials on successful completion of the training series on ‘Agroforestry models – Establishment and Management’.

1. Shri. Srinivas R. Reddy, IFS, PCCF & HoFF, TNFD.
2. Shri. I. Anwardeen, IFS, PCCF & CPD, TBGPCCR, TNFD.
3. Dr. M. Surya Prakash, IFS (Rtd.), Consultant, TBGPCCR.
4. Smt. K. Geethanjali, CCF, TBGPCCR, TNFD.
5. Shri. N. Jayaraj, IFS, District Forest Officer, Coimbatore district.

Conclusion

Agroforestry emerged as a dynamic model and holistic approach in any land use system for advocating species diversity, efficient nutrient cycling, carbon sequestration, soil and water

conservation, etc. Further, in the era of emerging climate change and Global warming, the agroforestry is capable of providing resilient system with respect to climate change and acting as a sink for atmospheric Carbon. Thus, adoption of 'Agroforestry model' in region specific requirements has the potential to act as buffer against any disturbance, improving green/tree cover, improves agrobiodiversity, adding more organic matter to soil and thus invariably helps in efficient nutrient cycling for sustainable crop productivity.

Glimpse of the training programme


Dr. C. KUNHIKANNAN
Dr. B. NAGARAJAN


ICFRE - INSTITUTE OF FOREST GENETICS AND TREE BREEDING
COIMBATORE

Dr.C.Surya Prabha, Scientist during her session on Soil Profile and Nutrient

Dr. S. Saravanan, Scientist during his session on Silviculture Management of important tree species

Dr. C. Buvaneswaran, Scientist during his lecture on Tree Crop Interaction

Dr. A. Karthikeyan,Scientist during his session on Pest and Disease Management

Dr. Rekha R. Warrier, Scientist during her lecture on Tissue Culture Teak

Shri.Maria Dominic Savio, Scientist during his lecture on Red Sanders

Shri.P.Chandrasekaran, CTO during his session on TreeGenie Mobile App

Smt. K. Shanthi, CTO explaining on Vegetatative Propagation Techniques

Visit to Vegetative Multiplication Garden

Visit to Soil Lab

Visit to Tissue Culture Lab

Certificate distribution to the field functionaries of TNFD