



TAMIL NADU AGRICULTURAL UNIVERSITY



25th Scientific Advisory Committee (2022)

ACHIEVEMENTS AND PROGRESS REPORT

ICAR-KRISHI VIGYAN KENDRA

VRIDDHACHALAM -606 001,

CUDDALORE DISTRICT

TAMIL NADU, INDIA

TAMIL NADU AGRICULTURAL UNIVERSITY
KRISHI VIGYAN KENDRA – VRIDHACHALAM, CUDDALORE
TAMIL NADU, INDIA

25th Scientific Advisory Committee (2021-22)

ACHIEVEMENTS AND PROGRESS REPORT

1. General information about the KVK

Name of the KVK	:	Krishi Vigyan Kendra Vriddhachalam, Cuddalore District
Postal address of KVK	:	Krishi Vigyan Kendra Vriddhachalam - 606 001 Cuddalore District Tamil Nadu
Telephone/ Fax/ E mail/ Website of KVK	:	Telephone number - 04143-238353 Fax - 04143-238353 E mail - kvkvri@tnau.ac.in Website - www.kvkcuddalore.com
Name of Host organization	:	Tamil Nadu Agricultural University
Postal address of Host organization	:	Tamil Nadu Agricultural University Coimbatore – 641 003
Telephone/ Fax/ E mail/ Website of Host organization	:	Telephone number : 0422 – 2431222 Fax : 0422 - 2431672 E mail : registrar@tnau.ac.in Website : www.tnau.ac.in
Year of sanction	:	ICAR - F. No. 22 (17)/83–KVK dt 29.03.1985 of the Deputy Director General, (AE), ICAR, New Delhi
Programme Coordinator	:	Dr. N. Sriram, Ph.D.
Total land with KVK	:	20 ha

2. Mandates of KVK

Application of technology/products through assessment, refinement and demonstration for adoption

ACTIVITIES OF KVK

- Conducting On Farm Testing (OFT) to identify the location specific of agricultural technologies in terms of location specific sustainable land use under various farming systems.
- Organizing Front Line Demonstration (FLD) to establish production potential of various crops and enterprises on the farmer's field to generate production data and feedback information.
- Organizing need based training to farmers to update their knowledge and skills in modern agricultural technologies related to technology assessment, refinement and demonstration and training of extension personnel with emerging advances in agricultural research on regular basis, to orient them in the frontier areas of technology development.
- Organizing short term and long term vocational training courses in agriculture and allied vocations for the farmers, farm women, rural youths and self help groups with emphasis on learning by doing for higher production on farms and generating self employment.
- Creating awareness about improved technologies to larger masses through appropriate extension programmes.
- Production and supply of good quality seeds and planting materials, livestock, poultry and fisheries breeds and various bio-products to the farming community.
- Work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district
- Providing farm advisory services

3. Staff Position (as on March 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M / F	Discipline	Highest Qualification (for PC, SMS and Prog.)	Pay matrix level	Basic pay	Date of joining KVK	Permanent / Temporary	Category (SC/ST/OBC/ Others)
1.	Programme Coordinator	Dr. N. Sriram	Professor	M	Agricultural Extension	Ph. D	UGC 14	157600	22.06.20	Permanent	OBC
2.	SMS (Agricultural Engineering)	Dr. K. Natarajan	Assistant Professor	M	Seed Science & Technology	Ph. D	UGC 12	104100	15.04.15	Permanent	OBC
3.	SMS (Plant Protection/ Agro Forestry)	Dr. S. Maruthasalam	Assistant Professor	M	Pl. Pathology	Ph. D	UGC 12	101100	18.02.18	Permanent	OBC
4.	SMS (Agronomy)	Dr. R. Baskaran	Associate Professor	M	Agronomy	Ph.D.	UGC 13A	139400	25.06.20	Permanent	OBC
5.	SMS (Horticulture)	Dr. K. Sundharaiya	Assistant Professor	M	Horticulture	Ph.D.	UGC 12	104100	13.07.20	Permanent	SC
6.	SMS (Animal Husbandry)	Tmt. G. Gayathry	Assistant Professor	F	Agri. Microbiology	Ph.D.	UGC 11	82300	13.09.21	Permanent	OBC
7.	SMS (Agricultural Extension)	Dr. K. Bharathi Kumar	Assistant Professor	M	Plant Breeding & Genetics	Ph.D.	UGC 12	101100	01.07.20	Permanent	OBC
8.	Programme Assistant (Lab Tech.)	Tmt. G. Meenalakshmi	Programme Assistant (Lab Tech.)	F	Horticulture	B.Sc. (Agri)	13	51100	28.02.11	Permanent	SC

9.	Programme Assistant (Computer)	Tmt. A. Vijayalakshmi	Programme Assistant (Computer)	F	Computer Science	M.Sc. (Computer Science)	13	59200	10.08.20	Permanent	OBC
10.	Farm Manager	Th.R.Rajesh Kannan	Farm Manager	M	Horticulture	M.Sc. (Horti.)	13	61000	20.09.21	Permanent	OBC
11.	Superintendent cum Accountant	Th.. S. Ravichandran	Superintendent	M	-	M.Com	18	40300	31.07.20	Permanent	OBC
12.	Junior Assistant Cum Typist	Th. P. Ganesamoorthy	Junior Assistant	M	-	M.A. M..L.I.Sc	8	19500	16.02.21	Permanent	OBC
13.	Driver	Th. N. Sudhakar	Driver	M	-	S.S.L.C	8	19500	19.02.21	Permanent	OBC
14.	Driver	Th.S.Arul	Driver cum Mechanic	M	-	S.S.L.C	8	35200	21.02.07	Permanent	OBC
15.	Supporting staff (Office Assistant)	Th. A. Deivasigamani	Office Assistant	M	-	+ 2	1	23100	27.01.11	Permanent	OBC
16.	Supporting staff (PUSM)	Th.K.Balasubramanian	Skilled Mazdoor	M	-	-	1	19300	01.03.22	Permanent	OBC

4. Scientific Advisory Committee (SAC) Members

Scientific Advisory Committee has been formed under the leadership of the Honourable Vice-Chancellor, TNAU, Coimbatore to review achievements made by this KVK and to give suggestions for the future action plan. The list of SAC members is furnished below.

A. President: The Vice-Chancellor
Tamil Nadu Agricultural University
Coimbatore – 641 003

B. Members:

1. The Director
ICAR-Agricultural Technology Application Research Institute (Zone 10)
CRIDA Campus, Santhosh Nagar,
Hyderabad- 500059
2. The Director of Extension Education
Tamil Nadu Agricultural University
Coimbatore - 641 003
3. The Director of Extension Education
Tamil Nadu Veterinary and Animal Sciences University
Madhavaram Milk colony
Chennai - 600 051
4. The Director
National Research Centre for Banana
Thogamalai Road
Thayanur Post
Trichy - 620 017
5. The Joint Director of Agriculture
Gundusalai, Semmandalam
Cuddalore - 607 001
6. The Deputy Director (Horticulture)
Gundusalai, Semmandalam
Cuddalore - 607 001
7. The Regional Joint Director (Animal Husbandry)
Veterinary Hospital campus
Cuddalore - 607 001

8. The Executive Engineer
Agriculture Engineering
1A, Beach road
Cuddalore – 607 001
9. The Regional Manager
Tamil Nadu Forest Plantation Corporation Limited
10, Chidambaram Iyer Street
Villupuram-605 602
10. The Asst. Director of Sericulture
Ezhuchatram road
Vazhudhareddy, Villupuram-605 602
11. The Director
Small Scale Industries Development Agency
Subburayalu Nagar, Thiruppathiripuliyur
Cuddalore district.
12. The Assistant Director of Fisheries,
Boothakeni
Chidambaram Taluk
Cuddalore district
13. The Assistant General Manager
NABARD
223, Netaji Road
Manjakkuppam
Cuddalore – 607 001
14. The District Social Welfare Officer
89, Pudhupalayam Main Road
Cuddalore – 607 001
15. The Regional Manager
Indian Bank, Jawans Bhavan, 1st floor
Lawrence road,
Cuddalore – 607 002
16. The Station Director
All India Radio
Indra Nagar
Pudhucherry.

17. The Director
Doordharshan Kendra
Swamy Sivanandha salai
Chennai- 600 005

Farmer Members

18. Thiru. G.Sakthivel
S/o. Ganapathy Pillai
Sathakudal village
Vridhachalam Taluk, Cuddalore District
19. Thiru. V. Velmurugan
S/o. Venkatesan
Agaram Alampadi village & Post
Bhuvanagiri Taluk
Cuddalore District
20. Tmt. S. Pounammal
W/o. D. Subramanian
Kallamangalam
Sathakudal Post
Vridhachalam Taluk, Cuddalore District
21. Tmt. D. Sakunthala
W/o. Deivanayagam
Gunamangalam Post
Kattumannarkoil Taluk
Cuddalore district

C. Member Secretary

22. The Programme Coordinator
Krishi Vigyan Kendra,
Vridhachalam – 606 001
Cuddalore District

KRISHI VIGYAN KENDRA, VRIDDHACHALAM, CUDDALORE DISTRICT

Action Taken on the Recommendations given during 24th SAC meeting held on 24.12.2020

S.No.	Recommendations for SAC meeting	Action Taken
1.	The intervention relevant to animal husbandry and fishery to be included in the action plan 2021-22 premises (The Director, ATARI, Hyderabad)	<ul style="list-style-type: none"> ❖ FLD on Demonstration of TANUVAS Mineral mixture for Milch Animals - 10 number of SC farmers from Nallur block were selected and TANUVAS Mineral mixture were distributed. ❖ FLD on Demonstration on Aseel chick for backyard poultry -10 number of SC farmers from Theevalur, Kavanur, Puthukuraipettai, Elangaiyanoor were selected and Aseel chicks were distributed. ❖ FLD on Demonstration of Genetically Improved Farmed Tilapia (GIFT) - Fingerlings were distributed to IFS farmers.
2.	The training on production of sea-weed cultivation in coastal area of Cuddalore district in linkage with state department of fisheries. premises (The Director, ATARI, Hyderabad)	Off campus training on dry fish processing using solar drier and sea weed cultivation jointly by KVK Cuddalore, MSSRF, NABARD and Annamalai University on 23.12.2021. In this training programme, the awareness were created on dry fish processing, solar drier, sea weed cultivation practices, advantages and marketing opportunity were delivered to the farmers and farm women and Self Help groups. In this training programme, totally about 85 farmers and farm women's were participated and benefitted.
3.	The DAMU scheme staff may take up impact study on the weather related agro advisories and also collect feedback from the farmers premises (The Director, ATARI, Hyderabad)	Conducted economic impact study on paddy farmers in Cuddalore district. Totally 30 farmers were selected to study the impact of DAMU advisory services on crop yield and economic benefits. The results showed that the farmers who have adapted Agro Advisory Service (AAS) information and implemented could harvest higher yield than non-adopted farmers. The net income of non-AAS farmers was only Rs. 3702/acre while, farmers those who adopted DAMU-AAS obtained income of Rs.5332/acre. The yield increase was observed due to timely intervention of DAMU advisories and judicious execution by the farmers.
4.	The state and the central government agricultural	The Booklet (Cuddalore District Schemes) on Central and State government scheme has been prepared and distributed to the farmers during the training programmes, FLD trials and

	schemes and important projects available with the line departments may compile as a booklet and sensitize the farmers during training programs and while visiting the KVK, Cuddalore. The details of the significant schemes to be displayed in the KVK premises (The Director, ATARI, Hyderabad)	displayed in KVK Premises.										
5.	The millet growers may be taken to TNAU, Centre of Excellence, Athiyandal as exposure visit to sensitize the production and post-harvest technologies pertaining to millet (The Director of Extension Education, TNAU, Coimbatore)	The millet growers of Nallur and Vriddhachalam block of Cuddalore district visited Centre of Excellence in Millets, Athiyandal on 17.11.2021 sensitized on Importance of Millet cultivation , improved varieties, Integrated crop management, Integrated pest and disease management and post harvest technology and value addition of millets.										
6.	Training may be provided on value addition in cashew and processing technologies (The Director of Extension Education, TNAU, Coimbatore)	<p>Trainings on value addition in cashew was conducted through on campus training and seminar for which importance of preparation of spicy and sweet candies, jam, pickles and squash were explained and demonstrated to the farm women and SHG group of Cuddalore district.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>Title of the training</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>07.01.2021</td> <td>KVK, Vriddhachalam</td> <td>District level seminar on cashew to the farmers of Cuddalore District</td> <td>120</td> </tr> </tbody> </table>	S. No	Date	Place	Title of the training	No. of participants	1.	07.01.2021	KVK, Vriddhachalam	District level seminar on cashew to the farmers of Cuddalore District	120
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			2.	09.06.2021	Online	Integrated Crop Management Practices for Cashewnut Crop and value addition in Cashew	27																																
			3.	16.07.2021	KVK, Vriddhachalam	On campus training on Value addition in Cashew apple	15																																
			3.	15.03.2022	KVK, Vriddhachalam	District level seminar on cashew to the farmers of Cuddalore District, Tamil Nadu	130																																
			Total				292																																
7.	The farmers may be sensitized on the importance of IFS, border cropping and farm pond (The Director, Tamil Nadu Rice Research Institute, Aduthurai)	Trainings on Integrated Farming system was conducted through on campus training for which importance of IFS, Farming system components, Livestock, Goat rearing, vermicompost production, Azolla production, Mushroom production, Fodder cropping and farm pond and growing of fingerlings and nutrition garden were explained to them.	<table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>No. of beneficiary</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>21.06.2021</td> <td>KVK, Vriddhachalam</td> <td>30</td> </tr> <tr> <td>2.</td> <td>22.09.2021</td> <td>KVK, Vriddhachalam</td> <td>30</td> </tr> <tr> <td>3.</td> <td>29.10.2021</td> <td>KVK, Vriddhachalam</td> <td>33</td> </tr> <tr> <td>4.</td> <td>27.10.2021</td> <td>Sathyavadi</td> <td>50</td> </tr> <tr> <td>5.</td> <td>16.12.2021</td> <td>KVK, Vriddhachalam</td> <td>50</td> </tr> <tr> <td>6.</td> <td>23.12.2021</td> <td>KVK, Vriddhachalam</td> <td>50</td> </tr> <tr> <td colspan="3" style="text-align: right;">Total</td> <td>243</td> </tr> </tbody> </table>					S. No	Date	Place	No. of beneficiary	1.	21.06.2021	KVK, Vriddhachalam	30	2.	22.09.2021	KVK, Vriddhachalam	30	3.	29.10.2021	KVK, Vriddhachalam	33	4.	27.10.2021	Sathyavadi	50	5.	16.12.2021	KVK, Vriddhachalam	50	6.	23.12.2021	KVK, Vriddhachalam	50	Total			243
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8.	The farmers may be taken to TRRI, Aduthurai to have exposure on border cropping and farm pond (The Director, Tamil Nadu Rice Research Institute, Aduthurai)	The farmers visited Tamil Nadu Rice Research Institute, Aduthurai on 08.01.2021 and 21.12.2021 and learned about border cropping, Integrated farming system and cattle rearing, goat rearing and fish growing.																																					
9.	Create awareness among the farmers on installation of	Awareness on news on AIR and its installation methods were explained in all the on campus and off campus training programme conducted by KVK, Vriddhachalam. Farmers are																																					

	“News on AIR app” in android mobile (Principal Scientist, ATARI, Hyderabad)	advised and provided the link to download the “News on AIR app” for day to day agricultural and other news through SMS (Download Prasar Bharati's “News on AIR app” from https://play.google.com/store/apps/parsarbharti.airnews to stay updated with latest news as well as All India Radio and Doordarshan Programs) to block wise farmers group.										
10.	Training may be provided for making of bouquet. (The Professor and Head, RRS, Vridhachalam)	<p>Bouquet preparation training was conducted at KVK, Vridhachalam on 16.12.2021. Significance of bouquet flower, vase preparation, materials required for preparation of bouquet and different types of bouquet preparations were discussed and the trainees were trained practically.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>Title of the training</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>16.12.2021</td> <td>KVK, Vridhachalm</td> <td>Bouquet preparation</td> <td>25</td> </tr> </tbody> </table>	S. No	Date	Place	Title of the training	No. of participants	1.	16.12.2021	KVK, Vridhachalm	Bouquet preparation	25
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1.	16.12.2021	KVK, Vridhachalm	Bouquet preparation	25								
11.	Training may be organized for promotion of cut flower cultivation in Cuddalore district (The Professor and Head, RRS, Vridhachalam)	<p>Cut flower production training was conducted at Aladi village of Vridhachalam block. About 25 farmers were participated. Importance of cut flower, Socio economic significant of cut flower and uses of cut flower, shade net house, poly house for cut flower production, production technologies of Rose, Chrysanthemum, Gerbera, Gladiolus, water and nutrient management and IPM on cut flower production were discussed.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>Title of the training</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>15.12.2021</td> <td>Aladi, Vridhachalam block</td> <td>Cut flower production</td> <td>25</td> </tr> </tbody> </table>	S. No	Date	Place	Title of the training	No. of participants	1.	15.12.2021	Aladi, Vridhachalam block	Cut flower production	25
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1.	15.12.2021	Aladi, Vridhachalam block	Cut flower production	25								
12.	The KVK may explore the possibility to form FPO with fisherman handling dry fish (The DDM, NABARD, Cuddalore)	<p>Offcampus training on dry fish processing using solar drier jointly conducted by KVK Cuddalore, MSSRF, NABARD and Annamalai University on 23.12.2021. In this training programme, the awareness was created on dry fish processing, solar drier, advantages and marketing opportunity were delivered to the farmers and farm women.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>Title of the training</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>23.12.2021</td> <td>Parangipettai</td> <td>Training on Solar dry fishery</td> <td>85</td> </tr> </tbody> </table>	S. No	Date	Place	Title of the training	No. of participants	1.	23.12.2021	Parangipettai	Training on Solar dry fishery	85
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1.	23.12.2021	Parangipettai	Training on Solar dry fishery	85								

13.	The rural youth may be provided entrepreneurship/vacation training/skill training with the assistance of ARYA programme (The Lead District Manager, Indian Bank, Cuddalore)	The online and off-line trainings were conducted to the rural youth and Farm women and students on honey bee keeping and spawn and mushroom production, as per the details given below.			
S. No	Date	Place	Title of the training	Nature of participants	No. of participants
1.	25.02.2021	Puthukuraipettai	Oyster and milky mushroom production	Rural and Farm women	25
2.	13.05.2021	Online	Spawn, oyster and milky mushroom production	Farmers, Rural youth and college students	101
3.	20.05.2021	Online	Bee keeping-Training cum demonstration	Farmers, Rural youth and college students	112
4.	30.06.2021	Online	Spawn, oyster and milky mushroom production	Rural youth, farmers and farm women	60
5.	30.06.2021	Online	Spawn, oyster and milky mushroom production	Rural youth and farmers	40
6.	23.08.2021	Online	Spawn and mushroom production	Girl students from Akilandeshwari womens' college, Vandavasi	100
7.	29.10.2021	KVK, Vriddhachalam	Spawn and mushroom production	Participants under Integrated farming cluster programme under TN state level livelihood mission	30

		8.	30.10.2021	KVK, Vriddhachalam	Spawn and mushroom production	Participants from Narumanam watershed area under National Agro Foundation	29
		9.	21.12.2021	KVK, Vriddhachalam	NABARD sponsored training on Spawn and mushroom production	Participants from Kotteri watershed area	50
Total							547
14.	The BOD's of FPO's available in Cuddalore district may be provided training on production and post harvest technologies for millets (DD,Agricultural Marketing and Agri Business, Cuddalore)	KVK conducted the following training programmes, in which value addition and post harvest technologies of millets to the BOD's of FPO's and farmers.					
		Sl. No.	Title of the training		Date and place		Total Number of farmer attended
		1	Kuruvai season Paddy and Varagu varieties suitable for Cuddalore district.		17.05.2021 On Campus (Online)		23
		2.	Varagu cultivation technologies and value addition in millets		05.08.2021 On Campus (Online)		45
		3.	Millet production technologies and value addition in millets		17.11.2021 (Training & Exposure visit) Centre for Excellence in Millets, Athiyandal)		25
		4.	Training on value addition in Varagu and Field Day		07.02.2022 at Nallur village		120
OFT on Assessment of suitable Varagu variety ATL 1 and Chattisgarh Kodo 2 was proposed							

		for 2021-22. Crop was harvested the Test entry ATL 1 was found to be earlier than Local variety.																				
15.	A suitable rice variety may be assessed for alternating White Ponni paddy variety (DD, Dept of Seed certification, Cuddalore)	FLD on Farmer's participatory seed production of paddy variety ADT 54 (Alternate to White Ponni) was taken up during late samba season in Ayyan Kurinjipadi (Kurinjipadi Block), and Rajedrapattinam village (Vridhachalam Block) to an area of 3 acres. The crop was harvested and seed processing is in progress.																				
16.	The recently released sugarcane variety COC 13339 may be demonstrated during 2021-22 (The Professor, Sugarcane Research Station, Cuddalore)	FLD on Demonstration of CoC13339 sugarcane variety was proposed for 2021-22. Planting was done on 13.01.2022 (Early season planting).Crop was in Tillering stage.																				
17.	Alternate cropping system may be proposed for the different agro eco system of Cuddalore district (JDA, Cuddalore)	The alternate cropping system for Cauvery delta Region of Cuddalore district, (Kattumannarkovil and Kumaratchi, Keerapalayam Block) in Kuruvai season (June to September) Vegetables/ – Rice - Rice fallow blackgram/Greengram Wellington Reservoir Ayacut area (Januray – Feb) : Introduction of Short duration paddy fine varieties (ADT 53 and Co 54) Vriddhachalam /Kammapuram : Vegetables/Maize/Milletts- Rice – Blackgram																				
18.	The farmers may be motivated to take up appropriate IFS which includes agro forestry to enhance the present income level (JDA, Cuddalore)	On campus training programme on IFS was conducted by KVK, Vriddhachalam special emphasis given for Agro forestry system in Integrated farming system model for Dry land Eco system <table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>No. of beneficiary</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>21.06.2021</td> <td>KVK, Vridhachalam</td> <td>30</td> </tr> <tr> <td>2.</td> <td>22.09.2021</td> <td>KVK, Vridhachalam</td> <td>30</td> </tr> <tr> <td>3.</td> <td>29.10.2021</td> <td>KVK, Vridhachalam</td> <td>33</td> </tr> <tr> <td>4.</td> <td>27.10.2021</td> <td>Sathyavadi</td> <td>50</td> </tr> </tbody> </table>	S. No	Date	Place	No. of beneficiary	1.	21.06.2021	KVK, Vridhachalam	30	2.	22.09.2021	KVK, Vridhachalam	30	3.	29.10.2021	KVK, Vridhachalam	33	4.	27.10.2021	Sathyavadi	50
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			6.	23.12.2021	KVK, Vridhachalam	50	
			Total			243	
19.	The RNR rice variety may be taken up for assessment during 2021-22 (JDA, Cuddalore)	OFT on Assessment of suitable short duration fine grain paddy variety with RNR 15048 and ADT 53 in late samba season. Premature flowering was observed in RNR 15048. The variety ADT 53 performed better than RNR 15048 with yield of 2025 kg / acre.					
20.	The farmers may be provided training on climate smart agriculture and disaster crop management strategies (The Professor and Head, UTRC, TANUVAS, Cuddalore)	Training on Climate Smart Agriculture and Disaster Crop Management strategies was conducted on 28.10.2021 at Collectorate complex, Cuddalore. The training was presided by District Collector. The Professor and Head, Department of GIS and RS, TNAU, Coimbatore and the Programme coordinator, KVK, Vriddhachalam delivered the lectures. A total of 75 line department officials of Agriculture, Horticulture, Revenue, Fisheries, Animal Husbandry were participated.					
21.	The KVK may organize exhibition on farm implements and machineries in linkage with state department of agricultural Engineering, veterinary and fisheries (The Professor and Head, UTRC, TANUVAS, Cuddalore)	An exhibition was organized at KVK Vriddhachalam on 5.12.2021. In this Exhibition implements for land preparation, laser land leveller, Tractor drawn seed drill, Sprayers and Harvesting and Millet processing. Groundnut thresher exhibited to the participants. Joint Director of Agriculture, Cuddalore, Assistant Director of Agriculture, Vriddhachalam block attended the exhibition. A total of 105 farmers were attended the exhibition.					
22.	Training may be provided for maintenance of farm implements and machineries (Dept. of Agricultural Engineering, Cuddalore)	Training on maintenance of Farm implements and Machineries was conducted on 22.02.2021, 04.12.2021 and 05.12.2021 through on campus training for which implements for land preparation, laser guided land leveller, tractor drawn seed drill, sprayers, harvesting machines and Millet processing were exhibited and explained.					

23.	Training may be provided for nursery management for vegetables (Deputy Director of Horticulture, Horticulture department, Cuddalore)	<p>On campus training on nursery management for higher productivity in vegetable crops was conducted at KVK, Vriddhachalam on 31.12.2020. About 60 farmers were participated. Importance of nursery and its management, seed treatment, protray nursery, community nursery and IPM on nursery were discussed for the production of quality vegetable seedlings.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Date</th> <th>Place</th> <th>Title of the training</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>31.12.2020</td> <td>KVK, Vriddhachalam</td> <td>Nursery management for higher productivity in vegetables</td> <td>60</td> </tr> </tbody> </table>	S. No	Date	Place	Title of the training	No. of participants	1.	31.12.2020	KVK, Vriddhachalam	Nursery management for higher productivity in vegetables	60										
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24.	The KVK may explore the possibility of getting genome award for the Jack fruit growers in Panruti (District Industries Centre)	Application of the successful farmer and conservator of germplasm Thiru. P. Haridoss was applied for “ Plant Genome Savior Farmer Reward ” to Protection of Plant Varieties & Farmers’ Rights Authority NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi 110 012																				
25.	Training may be provided to the farmers on production and post harvest technologies for small millets, Gingelly and Blackgram (Thiru.G. Sakhivel, SAC Farmer Representative)	<p>KVK conducted the following training programmes on blackgram production technologies and value addition of blackgram.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Title of the training</th> <th>Date and place</th> <th>Total Number of farmer attended</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Training Blackgram seed production techniques</td> <td>Nallur 22.01.2021 (Nallur Block)</td> <td>50</td> </tr> <tr> <td>2.</td> <td>Rice Fallow pulses Blackgram varieties and seed production.</td> <td>06.02.20201 Adhivaraganallur</td> <td>50</td> </tr> <tr> <td>3.</td> <td>Rice Fallow pulses Blackgram varieties and seed production .</td> <td>23.02.2021 Nagarapadi</td> <td>50</td> </tr> <tr> <td>4.</td> <td>Integrated Crop management in paddy and blackgram</td> <td>02.06.2021 On Campus (Online)</td> <td>30</td> </tr> </tbody> </table>	S. No.	Title of the training	Date and place	Total Number of farmer attended	1.	Training Blackgram seed production techniques	Nallur 22.01.2021 (Nallur Block)	50	2.	Rice Fallow pulses Blackgram varieties and seed production.	06.02.20201 Adhivaraganallur	50	3.	Rice Fallow pulses Blackgram varieties and seed production .	23.02.2021 Nagarapadi	50	4.	Integrated Crop management in paddy and blackgram	02.06.2021 On Campus (Online)	30
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			5.	Blackgram varieties and Integrated Crop /management	03.06.2021 On Campus (Online)	46
			6.	Blackgram production technologies	12.08.2021 On Campus (Online)	25
			7.	Blackgram production technologies	27.09.2021 On campus	72
			8.	Blackgram Cultivation technologies	29.09.2021- 01.10.2021 On campus TNRDP SFFS Trainers	48
26.	The recently released variety VBN 11 Blackgram may be taken up for demonstration (Thiru.V. Velmurugan, SAC Farmer Representative)	Demonstration of MYMV resistant blackgram variety VBN 11 was conducted in 10 farmer's field of Nallur block. An average yield of 400 kgs per acre was recorded.				
27.	The farmers in need of agricultural implements and machineries to be linked with state department of agricultural Engineering for obtaining services (Thiru. V.Velmurugan, SAC Farmer Representative)	Training was given to the farmers for usage of UZHAVAN APP for registering the Hiring of farm vehicles, purchase of machineries and implements , formation of Farm bond and Bore wells Contact to the, Agricultural Engineering, Agriculture and Horticulture Department of Concern Blocks				
28.	A booklet on micro irrigation and fertigation scheduling to be prepared and issue to the needy farmers (Thiru. V.Velmurugan, SAC)	A training manual on Micro irrigation and Fertigation for Agricultural crops and Horticultural Crops was prepared and distributed to the farmers attended the training programme.				

	Farmer Representative)													
29.	The training on milk value added products to be organized for the farmers in linkage with TANUVAS (Tmt.S. Pavunambal, SAC Farm women Representative)	<p>KVK conducted the following training programmes, in which value addition and post harvest technologies of milk and value addition were disseminated.</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Title of the training</th> <th>Date and place</th> <th>Total Number of farmer attended</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Importance of fodder pellets and its production technology</td> <td>03.02.2021 On Campus</td> <td>30</td> </tr> <tr> <td>2.</td> <td>Value addition in Milk and Fodder Bank</td> <td>01.06.2021 On Campus (Online)</td> <td>23</td> </tr> </tbody> </table>	Sl. No.	Title of the training	Date and place	Total Number of farmer attended	1	Importance of fodder pellets and its production technology	03.02.2021 On Campus	30	2.	Value addition in Milk and Fodder Bank	01.06.2021 On Campus (Online)	23
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SUMMARY OF ANNUAL PROGRESS REPORT – 2020-2021

1. Achievements of Mandated activities (1st January 2020 to 31st December 2020)

S.No.	Activity	Target	Achievement
1.	Technologies Assessed and refined (No.)	10	10
2.	On-farm trials conducted (No.)	5	5
3.	Frontline demonstrations conducted (No.)	12	12
4.	Farmers trained (Nos,)	4708	4708
5.	Extension Personnel trained (No.)	922	922
6.	Participants in extension activities (Nos.)	5974	5974
7.	Production and distribution of Seed (in Quintal)	0.666	0.66
8.	Planting material produced and distributed (in Lakh)	4361	4361
9.	Live-stock strains and finger lings produced and distributed (in Lakh)	4	4
10.	Soil samples tested by Mini Soil Testing Kit (No)	371	371
11.	Water, plant, manure and other samples tested (No.)	76	76
12.	Mobile agro-advisory provided to farmers (No.)	4320	4320
13.	No. of Soil Health Cards issued by Mini Soil Testing Kits (No.)	371	371

2. Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)

Clientele	Number of Courses		Number of Participants	
	Targets	Achievement	Targets	Achievement
Farmers and Farm Women	120	120	4286	4286
Rural youth	23	23	422	422
Extn. Functionaries	16	16	922	922

3. Other Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	Total
Advisory Services	95	1892	565	2457
Attended as resource person	15	-	-	0

Celebration of important days	6	180	40	220
Diagnostic visits	37	267	10	277
Exhibition	5	875	10	885
Exposure visits	1	50	-	50
Field Day	13	240	5	245
Film Show	22	550	40	590
Group discussions	7	102	5	107
Kisan Mela	1	274	-	274
Method Demonstrations	15	153	5	158
Scientists' visit to farmers field	68	540	15	555
Self -help groups	5	100	-	100
Special day celebration	4	330	-	330

4. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (Q)	203.66	981420
Planting material (No.)	4364	100607
Bio-Products (kg)	88.5	2493

5. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	371	46200
Water	76	2650
Plant	-	-
Total	447	40900

6. HRD and Publications

Sr. No.	Category	Number
1.	Research Papers	7
2.	Popular Articles	3
3.	Books	6
4.	Conference Papers	8
5.	Seminar Papers	6
6.	Workshop presentations	2
7.	Folders	24
8.	Leaflets	15
9.	Pamphlets	12
10.	Brochures	8
11.	Technical Reports	1
12.	Training Manuals	2

7. Results of Technology Assessment:2020-21

S. No.	OFT title	Key Results
1.	Assessment of drought mitigation strategies for direct sowing paddy	Seed Hardening with 1% KCl increased the yield components over CaCl ₂ and farmer practice. Increase in rice yield was observed to a tune of 4% and 36.29 % over CaCl ₂ and farmers practice. Seed hardening with 1% KCl solution and shade drying withstand drought in direct seeded rice.
2.	Assessment of suitable organic farming practices for traditional paddy variety	The Green manure incorporation during flowering stage in the main field increased the absorption of the organic inputs. Soil application of <i>Pseudomonas</i> reduced the disease soil borne disease. Foliar application of neem oil reduced the pest incidence and increase the yield of Traditional paddy <i>Karuppukavuni</i>
3.	Assessment of growth enhancer for salt affected area in Cuddalore District	The increase in yield witnessed is basically due to increase in nutrient mobilization of the crop from the rhizosphere soil which has been enabled by the inoculated microbial consortia present in CSR-BIO to harness the nutrients from various soil strata.
4.	Assessment of suitable bottle gourd varieties/hybrids in Cuddalore district	The variety PLR-2 was performed well when compared to technology option one and farmers practice. Adoptability of the variety is well with low input cost also. Overall consumer acceptability was good when compared to other two options.
5.	Assessment of Management Modules against Nematode Complex in Tuberose	Soil health was preserved as no granules are applied. Nematode management was sustainable and environmental friendly.
6.	OFT on assessment of suitable cluster bean varieties (<i>Cyamopsis tetragonaloba</i> L.) for Cuddalore District.	Demonstration of Cluster bean variety MDU 1 with integrated crop management practices was conducted in five farmer's field belonging to Vriddhachalm and Kammapuram blocks of Cuddalore District during 2019 -2021 to spread the technology among the farmers. Two high yielding improved varieties viz., MDU 1 and Pusa Naubahar were compared with the local variety. Each demo field was laid out in 0.4 hectare while adjacent 0.4 hectare was laid out with local variety and farmers practice as control. The results revealed that the ICM practice received plot registered the highest plant height, pod length, pod

		girth, number of pods, pod weight, yield per plant and yield per hectare. Similarly, higher net income and benefit cost ratio also observed in ICM practice received plot.
7.	Assessment of suitable high yielding white seeded Sesame	Gingelly VRI 3 recorded higher yield of 12.0 per cent than SVPR 1. Higher income of Rs.6500-7500/- in one ha by white seeded sesame (Rs.80-90/- per kg)

8. Results of Front Line Demonstration: 2020-21

S. No.	FLD title	Key results
1.	Demonstration of ADT 53 paddy seed production (foundation /certified) by farmer participatory mode in Cuddalore district	<ul style="list-style-type: none"> ❖ ADT 53 recorded 51.05 q/ha compared to ADT 45 which yield 47.5 q/ha ❖ ADT 53 Suitable for Kuruvai/ Kodai/ Navarai seasons
2.	Demonstration of VGD 1 paddy seed production (foundation /certified) by farmer participatory mode in Cuddalore district	<ul style="list-style-type: none"> ❖ VGD 1 recorded 49.97 q/ha which was 9 % higher yield than BPT 5204. ❖ VGD 1, on the other hand, is a medium duration rice of 130 days, has high tillering per plant and does not bend over during harvest.
3.	Demonstration of paddy variety ADT 54	<ul style="list-style-type: none"> ❖ The duration of the variety is 130-134 days with yield potential of 8600 kg/ha under irrigated condition. The FLD was proposed in the view of popularization of the new variety to the farmers, Cuddalore district during samba season.
4.	Demonstration of ICAR Bio-Nutrient for Rice	<ul style="list-style-type: none"> ❖ Bio-NPK is a unique formulation that consists of a nitrogen fixing (<i>Azotobacter chroococcum</i>), P-solubilizing (<i>Paenibacillus tylopili</i>) and K –solubilizing (<i>Bacillus decolorationis</i>) bacteria. Inoculation with Bio NPK providing formulation increases the yield by 10-15% and curtails the use of costly chemical fertilizers by 25-30%. ❖ Bio-Zn is a liquid formulation of Zinc solubilizing bacteria. Zinc solubilising bacteria play crucial role in dissolution of insoluble source of zinc through secretion of organic acids and other metabolites. When applied to soil, it converts insoluble form of

		<p>Zn to soluble form and make it available to the plant. Inoculation of Zn solubilizer helps to augment 2 to 5 kg Zn ha⁻¹.</p> <ul style="list-style-type: none"> ❖ The ICAR Bio Nutrients performed well under in paddy field. The crop establishment was satisfactory to given set of situations resulting in higher economic returns to the farmers due to its yield potential nature.
5	Demonstration of blast disease management in rice	<ul style="list-style-type: none"> ❖ The demonstrated technology reduced the cost of blast management significantly and obtained a net return of Rs. 43000/ha compared to farmers practice (Rs. 31000/-)..
6.	Demonstration of IPM for fall army worm in maize	<ul style="list-style-type: none"> ❖ The demonstrated technology reduced the cost incurred on the fall army worm management and reduction of cob damage to a tune of 66%.
7.	Demonstration of ICM in Jowar Co 32 through cluster approach	<ul style="list-style-type: none"> ❖ The variety Co 32 performed well and given 23.48 q/ha. The ear head is compact and bold seeded. The variety is resistant to shootfly and stem borer and moderately resistant to downy mildew and grain mould
8.	Demonstration of Vamban 8 Blackgram Seed Production (Foundation /Certified) By Farmer Participatory Mode (Linking With FPO)	<ul style="list-style-type: none"> ❖ The Variety is Mung Bean Yellow Mosaic Virus (MYMV) Resistant. ❖ The variety recorded higher yield of 7.0 per cent than farmer cultivated varieties VBN 4 and VBN 5. ❖ Higher income of Rs.15000 - 20000/- in one ha by selling the black gram foundation seeds at Rs.80/kg. Grain cost Rs.55-60/kg.
9.	Demonstration of HYV, seed production in participatory mode in groundnut var.VRI 8	<ul style="list-style-type: none"> ❖ VRI 8 recorded highest yield of 42.2 q/ha which was 38 % higher yield than farmers practice. The farmer wanted bold seeded variety and need groundnut seeds in right time and season.
10	Demonstration of HYV, seed production in participatory mode in Gingelly var.VRI 3	<ul style="list-style-type: none"> ❖ Line sowing will make ease for intercultural operations and thereby increased the yield by 56.63 % in VRI 3 compare to direct sowing
11	FLD on demonstration of Integrated Crop management practices in Ridge gourd (<i>Luffa acutangula</i> (L). Roxb.) hybrid	<p>In Cuddalore district Ridge gourd is grown commercially for its tender fruit. However, farmers are unaware about improved production technologies, new high yielding varieties and</p>

	CO H1	integrated crop management practices and getting poor yield. Therefore front line demonstration on demonstration of integrated crop management practices in ridge gourd (<i>Lufa acutangula</i> (L) roxb.) hybrid CO H1 was conducted to increase the yield and income at Cuddalore District of Tamil Nadu. Demonstration of ridge gourd hybrid CO H1 with integrated crop management practices was conducted in ten farmer's field belonging to Vridhachalam and Panruti blocks of Cuddalore District during 2019-2021 to spread the technology among the farmers. The high yielding ridge gourd hybrid COH 1 was compared with the local variety. Each demo field was laid out in 0.2 hectare while adjacent 0.2 hectare was laid out with local variety as control. The results revealed that the ICM practice received plot registered the highest number of fruits, fruit length, fruit girth, fruit weight, yield per plant and yield per hectare. Similarly, higher net income and benefit cost ratio also observed in ICM practice received plot.
12	Demonstration of Nanthanam-4 chicks as backyard poultry	<ul style="list-style-type: none"> ❖ Good for meat and egg purpose. ❖ An average of 150 eggs were obtained.
13	Demonstration of TANUVAS mineral mixture for dairy cows	<ul style="list-style-type: none"> ❖ Increases milk production and resistant to diseases

9. FARMERS FIELD SCHOOL (FFS) ON “INTEGRATED PEST AND DISEASE MANAGEMENT IN COTTON”

Cotton is an important rainfed crop in Nallur and Mangalur blocks of Cuddalore district. The major challenges faced by the cotton growers are the pest and diseases and high recurring cost for their management. Apart from that, indiscriminate use of pesticides often results in deleterious effects on beneficial insects thus affecting the agro ecological system. Hence, in order to promote the environmental friendly means of pest and diseases in cotton, a farmer's field school was conducted in Sirumulai Village of Mangalur block with twenty progressive farmers. The programme was started with the participatory rural appraisal (PRA) exercise. The major challenges faced by the farmers were ascertained and accordingly 10 weekly classes were conducted in farmer's field with live demonstrations on pest and disease management and other crop management practices in cotton.

Objectives

- ❖ To educate farmers about eco-friendly and cost effective crop management techniques in cotton
- ❖ To educate farmers on the use of integrated pest and disease management in cotton.

Technology demonstrated

- Seed treatment with biofertilizers and bio control agents.
- Acid delinting in cotton.
- Integrated fertilizer management for rainfed and irrigated cotton.
- Integrated weed management for irrigated and rainfed cotton.
- Integrated Pest management practices in cotton.
- Integrated disease management practices in cotton.
- Spray of neem oil and neem seed kernel extract (NSKE) and Azadirachtin.
- Setting of yellow sticky traps and pheromone traps

Knowledge spread in the FFS

Category	Pre-FFS knowledge level	Pre-FFS knowledge level	Remarks
Seed treatment with biofertilizers and bio control agents.	Less awareness	More awareness	Adopting the seed treatment and soil application of biofertilizers and biocontrol agents
Acid delinting in cotton.	Not known	Learnt the purpose and methodology	Ready to practice
Integrated fertilizer management for rainfed and irrigated cotton.	Less awareness	Understood the principles of manuring and fertilizer application.	Practicing
Integrated weed management for irrigated and rainfed cotton	Less awareness	Learnt about different weeds and their management	Practicing
Integrated Pest management practices in cotton.	Less awareness	Learnt about different components of IPM	Practicing
Integrated disease management practices in cotton.	Less awareness	Learnt about different components of IDM	Practicing
Spray of neem oil and Neem seed kernal extract and azadirachtin	Not practicing	Created awareness on neem products	Practicing
Setting of yellow sticky traps and pheromone traps	Not known	Fully Learnt	Practicing

Outcome of the programme:

Upto 40% reduction in the use of synthetic pesticides and 25% reduction in total cost of cultivation. Presence of natural predators (Coccinellid beetles, wasps, spiders, dragon flies, etc.,) indicated that the biological equilibrium had been maintained due to the adoption integrated pest and disease management strategies and reduced use of chemical pesticides.

10. ICAR Krishi Vigyan Kendra, Vriddhachalam - New Schemes 2021-22

S.No.	Particulars	Budget Rs.
1.	NABARD Funded Climate Resilient Integrated Wet Land Farming System (IFS) to Minimize Risk in Farming and to Accelerate the Farmers' Income of Cuddalore District	21.695 lakhs
2.	NABARD Funded Empowering Farmers through Drone system for precision Agriculture in Cuddalore district	24.25 lakhs
3.	Tamil Nadu Irrigated Agriculture Modernization Project TNIAMP –Lower Vellar	333 lakhs
4.	Cluster FLD Oil seeds	2.7 lakhs
5.	Cluster FLD Pulses	3.6 lakhs
6.	DAMU	4.16 lakhs

11. Significant events carried out during 2021-2022

11.1. Tree plantation drive programme

Tree planting drive by was organized at Aathivaraganallur. Cuddalore District Collector inaugurated the programme. Programme Coordinator of KVK and Scientists were also participated in the tree drive programme and 100 nos. of tree saplings were distributed to farmers.

11.2. District Level Cashew Seminar

The District Level Cashew Seminar was conducted on 07.01.2021 KVK Vriddhachalam in the presence of Dr.K.Subramanian, Professor and Head, RRS, Vriddhachalam. The event was a district level function with the participation of 120 farmers representing various blocks of Cuddalore district. As part of the programme, the following activities were carried-out to sensitize the participants on importance of cashew cultivation.

- ❖ Exhibition with focus on cashew varieties from TNAU

- ❖ Technical lecture on importance of Cashew cultivation, ICM, INM, IPM and Value addition in Cashew apple and nuts were explained to the participants
- ❖ Released two publications (Booklet and pamphlet) on *Munthiri sagupadiyil uyar thozhil nutpangal* and Ultra High Density Planting (UHDP) in cashew.

11.3. Training programme on “Importance of Fodder Pellets and its Production strategy”

One day training programme on “Importance of Fodder Pellets and its Production strategy” was organized at Krishi Vigyan Kendra, Vriddhachalam on 03.02.2021. The objective of the training programme was to enrich knowledge on innovative technology of fodder pellets production and its production strategy and dairy management.

Dr.S.D.Sivakumar, Associate Professor (Agronomy), Department of Forage Crops, TNAU, Coimbatore explained about the varieties of fodder crops and fortified fodder pellet production techniques. Dr. S. Murali. Asst. Prof. (VAS), UTRC, Cuddalore explained about fodder and disease management in Cattle. Training Lectures on Integrated fodder crop management, pest and disease management, seed production and fodder crop field maintenance were delivered. Totally 30 farmers were participated and benefitted. A booklet of Livestock Fodder Management was released and distributed to farmers. Seeds of Velimasal, slips and rooted cuttings of Guinea Grass and Cumbu Napier Hybrids were distributed to trainees.

11.4. Demonstration of Zero till seed drill sown in rice fallow Black gram

Training on “Demonstration of Zero till seed drill sown in rice fallow black gram” was conducted on 18.02.2021 at Krishi Vigyan Kendra, Cuddalore. Dr.M. Muthamizhselan, Principal Scientist, Regional Central Institute of Agricultural Engineering, Coimbatore explain the zero tillage and zero till seed drill for sowing black gram. Dr. R. Baskaran, Assistant Professor (Agronomy) delivered the Rice-fallow black gram cultivation. Integrated pest and disease management was taken Dr S. Marudhasalam Assistant Professor (Plant Pathology).

Demonstration of the zero tillage seed drill was taken in the field of Th. Narayanasamy at Karkudal Village. In this programme, Joint Director of Agriculture (Chennai), Deputy Director of Agriculture, (Cuddalore) and Agricultural Officers and Assistant Agricultural Officers of Cuddalore, Nagapattinam and Mayladuthurai district were participated.

11.5. World Water Day 22nd March 2021

The World Water day was observed on 22nd March 2021 at KVK Vriddhachalam in the presence of Dr. N. Sriram, Programme Coordinator, KVK, Vriddhachalam, staffs and RAWE Students of Anbil Dharmalingam Agricultural College & Research Institute, Trichy, AC&RI, Vazhavachanur, HC&RI (Women), Trichy, Dhanalakshmi Sreenivasan Agricultural College, Perambalur and JSA College of Agriculture and Technology, Avatti. A total of 103 participants of students and staffs attended the World Water day programme. The main theme of World Water Day '2021 is "**valuing water**" and the highlights were on importance of conserving water and its value. As part of the World Water Day programme, the following activities were carried-out to sensitize the participants on importance of observing World water Day. The students exhibited the charts on the importance of water, micro irrigation and water saving methods with focus on conserving water.

Oral presentation on the topics on conservation of water, micro irrigation methods, importance of water, virtual water and water conservation methods and importance of water in agriculture was presented by students. Technical presentation on water saving methods, protray seedling management for conservation of water, seed hardening methods for overcoming drought conditions were done by SMS and Programme Coordinator, KVK, Vriddhachalam.

11.6. Watershed Project Inauguration at Shrimushnam Taluk of Cuddalore district (22.04.2021)

Watershed Project at Shrimushnam Taluk of Cuddalore district was inaugurated by Shri. S. Selvaraj, Chief General Manager, NABARD, Chennai. As part of Natural Resource Management, watershed development programme is being implemented by NABARD. Financial support was provided out of Watershed Development Fund created by GoI and NABARD in 1999-2000, which was based on the success of implementation of participatory watershed development projects under Indo German Watershed Development Programme (IGWDP) by NABARD during 1990's. The fund was created with contribution of Rs.100 crore each, from the Govt. of India and NABARD. The fund is being recouped on year to year basis through the contribution from the interest differential of RIDF, as per the advice of RBI.

Currently, watershed development projects are being implemented to address basic soil and water conservation issues and social capital formation. However, climate change is impacting the agricultural production, productivity, livelihood and income of the farmers

severely due to uncertain and erratic changes in weather parameters especially rainfall, temperature and humidity. Thus, there is need for integrating regular watershed programme with climate change adaptation and climate risk mitigation measures. In this endeavor, NABARD in collaboration with VA Tech Wabag on an experimental basis implemented Capacity building phase in Sri Adhivaraganallur and Thethampattu village of Shrimushnam block of Cuddalore district under corporate social responsibility on 50:50 cost sharing basis. Major activities implemented are soil and water conservation activities including field bunds, filed bund outlets, open well and bore well recharge system, farm pond with inlets, agro forestry and horticulture plantation with the beneficiary contribution *i.e* Shramdaan of 16%.

Th. S. Selvaraj, Chief General Manager, NABARD, Regional office, Chennai inaugurated the sanctioned project and also participated in press meet. With the felicitation of Mr.Vijay Neehar, District Development Manager, NABARD Cuddalore, Mr. N. Krishnan, Dty. CEO, Hand In Hand, India, Th. P. Aguilane, LDM, Indian Bank, Dr. N. Sriram, Programme Coordinator, KVK, Vridhachalam the programme was conducted successfully. Importance of water conservation and efficient methods of using water for agricultural purpose has been imparted to farmers and 100 nos. of farmers participated in the programme.

11.7. Training programme on “Kuruvai Paddy Cultivation Technologies”

One day training programme on “**Kuruvai Paddy Cultivation Technologies**” was organized at Krishi Vigyan Kendra, Vridhachalam on 17.06.2021. The objective of the training programme was to enrich knowledge on Kuruvai paddy cultivation technologies. Dr. N. Sriram, Programme Coordinator welcomed the participants and gave a prelude about the KVK activities. Dr. M. Jawaharlal, Director of Extension Education, TNAU, Coimbatore in his presidential address explained about importance of agriculture during Covid-19 pandemic and Dr. T. Balasubramaniam, Joint Director of Agriculture, Cuddalore explained about importance of paddy, seasonal planting and schemes in agriculture.

Lectures on suitable paddy varieties suited for Kuruvai season was given Dr. K. Bharathi Kumar, Asst. Prof. (PBG), Dr.R.Baskaran Asst. Prof. (Agronomy) delivered lecture on Integrated Crop management strategies and Dr.S.Maruthasalam, Asst. Prof. (Plant Pathology) on Integrated pest and disease management in paddy and important pests and diseases of *Kuruvai* season. Dr.K.Natarajan, Asst. Prof. (SST) proposed vote of thanks. A total of 80 participants

from various districts have joined the online training programme through Google meet. The participants eagerly attended the programme and interacted with the scientists.

11.8. Inaugural of Climate Resilient Integrated Wet Land Farming System at KVK, Cuddalore (19.08.2021)

Inaugural of Climate Resilient Integrated Wet Land Farming System was held at KVK, Cuddalore on 19.08.2021. Dr. N. Sriram, Programme Coordinator, welcomed the gathering and explained about the technical support provided by KVK, Cuddalore for the IFS project. Shri. T. Venkatakrishna, Chief General Manager, NABARD Tamil Nadu Regional Office, Chennai delivered Presidential Address on IFS to Minimize Risk in Farming and to Accelerate the Farmers' Income of Cuddalore District. Dr. V. Ambethgar, Director, Tamil Nadu Rice Research Institute, Aduthurai delivered lectures on Importance and various components of IFS. Dr. K. Subramanian, Professor and Head, RRS, Vridhachalam explained different models of IFS suitable for Cuddalore district. Shri. M.Vijay Neehar, District Development Manager, NABRD, Cuddalore delivered felicitation address.

The event was a district level project inauguration with the active participation of 30 progressive farmers from five different blocks of Cuddalore district attended the Inauguration of Climate Resilient Integrated Wet Land Farming System. As part of the programme, the following activities were carried-out to sensitize the participants on importance of IFS.

- ❖ Technical lecture on importance of IFS, various IFS models
- ❖ Released Booklet on Climate Resilient Integrated Wet Land Farming System
- ❖ Visit to IFS model in the KVK, Cuddalore

11.9. Poshan Vatika Maha Abhiyan and Tree Plantation 2021 programme (17.09.2021)

Poshan Vatika Maha Abhiyan and Tree Plantation 2021 programme for *anganwadi* workers and farm women on nutrient development was conducted on 17.09.2021 at Krishi Vigyan Kendra, Tamil Nadu Agricultural University, Vriddhachalam, Cuddalore. Dr. N. Sriram Programme Coordinator, delivered the welcome address and invited the gatherings. He highlighted the importance of nutrition for women and children and also to raise kitchen garden at homes for improving the nutrition. Th. T.S. Balasubramaniam, Joint Director of Agriculture, Cuddalore briefed about the importance of food security in our nation and the role played by

Tamil Nadu Agricultural university, Coimbatore in releasing the varieties in millet and paddy to enrich protein. The programme was supported by IFFCO organization. Th. A. Harish Gowtham, Field officer, IFFCO distributed the vegetable seeds. Th. A. Vijay Nehaar, DGM, NABARD, Cuddalore explained the different schemes available for farm women. Tmt. M. Dhanabakiyam, Child Development Officer, Vriddhachalam addressed the *anganwadi* worker and their important role to reduce mal nutrient in growth of children. Dr. K. Sundaharaiya, SMS (Horticulture) delivered lecture on cultivation technologies in raising nutritional garden, kitchen garden and roof top garden. A booklet on nutrient garden was published and released and tree saplings were distributed to all the participants.

As a part of the *Poshan maah* programme an exhibition with vitamin rich fruits and vegetables were displayed. Totally 175 participants including 75 nos. of *Anganwadi* workers along with Farm women participated in this programme.

11.10. Skill development training for entrepreneurship development of the physically challenged persons of the Leprosy mission trust India-IEP project - Cuddalore from 05.10.2021 to 06.10.2021

Skill based entrepreneurship training for the physically challenged people comprising of 30 members (6 women; 24 Men) was conducted from 05.10.2021 to 06.10.2021 at Krishi Vigyan Kendra, Tamil Nadu Agricultural University Vriddhachalam, Cuddalore. The programme was funded and supported by Leprosy Mission Trust India-IEP project – Cuddalore with the guidance of Th. M. Jaganathan, Programme Manager, Leprosy mission trust India, Cuddalore district (NGO).

Dr. R. Baskaran, Associate Professor (Agronomy), Programme Coordinator (Incharge) delivered the welcome address, invited and felicitated the gathering about the various skill based avenues in Agriculture for the physically challenged people with multiple disabilities. He highlighted the importance of organic agriculture, vermicomposting, mushroom cultivation, quality seed production, vegetable and roof gardening.

Dr. G. Gayathry, Assistant Professor (Agrl. Microbiology) demonstrated the production of vermicompost from Red earthworms (*Eisenia fetida*) using agricultural wastes and also kitchen wastes in the forenoon of 05.10.2021 and the programme was continued in the Afternoon with the delivery of special lecture on Mushroom cultivation and Azolla mass production. The

production of vermiwash using cement pots and silpaulin bags were clearly explained and also briefed about the importance of organic waste management for the production of Panchakavya and Jeevamurth.

Honey bee keeping and honey production from farm courtyard was demonstrated by the special invitee and the Entrepreneur Th. A. Suthandiraselvan, Bee keeping specialist, Vridhachalam to the participants in the forenoon of 06.10.2021.

Dr. K. Sundharaiya, Assistant Professor (Horticulture), explained the various activities carried out in roof garden of KVK, Vridhachalam and delivered a special lecture on the production oriented management of nursery and roof gardening. The session was followed by skill based training of Oyster mushroom spawn production by Dr. A. Sangeetha, Assistant Professor (Plant Pathol.), Regional Research Station, Vridhachalam.

11.11. Training to Revenue and Extension Officials of Cuddalore District on Preparedness for Managing Natural Disasters during NE Monsoon in Cuddalore District

Training to Revenue and Extension officials of Cuddalore District on Preparedness for Managing Natural Disasters during North Eastern Monsoon period was organized jointly by KVK, Department of Agriculture and Department of Remote Sensing, TNAU, Coimbatore on 12th October 2021 at Collectorate. The District Collector presided the training programme and addressed the revenue and extension officials about the preparedness for managing natural disasters especially for Cuddalore District. Department of Remote Sensing Professor and Head delivered lecture on how best we can use remote sensing and GIS technologies for managing natural disasters in Cuddalore District. Programme Coordinator, KVK, Cuddalore presented the preparedness and mitigation technologies for flood and drought like situation in Cuddalore district. DAMU and IMD technological interventions, mobile apps for weather forecasting have also demonstrated to the officials. All Revenue Divisional Officials, ADAs, ADHs, Executive Engineer (AED), Block Development Officials of Cuddalore District participated.

11.12. Mahila Krishi Diwas: Farm Women day on (15.10.2021)

Capacity Development Training for Farm Women day on Nutrient development was conducted on 15.10.2021 on Mahila Krishi Diwas celebration at Chinnavadadi village, Vridhachalam block, Cuddalore., Dr. K. Natarajan, Assistant Professor, (Seed Science and Technology) briefed about the importance of seed production technology for all crops, lecture on

cultivation technologies in raising nutritional garden, kitchen garden and roof top garden was explained and vegetable seed packets were distributed to the farm women and also demonstration was carried out for women farmers.

Th. Selvarasu, Councillor, village president and ward member participated in the programme, and honoured best farm women for her excellent work in her traditional rice varieties cultivation. Pamphlets on nutrient garden, importance was distributed to all the participants. Totally 52 Farm women participated in this programme. Th. P. Mahadevan, TA, KVK proposed vote of thanks to the participants.

11.13. Special meeting conducted at Collectorate, Cuddalore on 26.11.2021 and Lecture on Management of flood affected crop delivered during the meeting

KVK, Cuddalore participated in the grievances day meeting convened by the District Collector, Cuddalore at District Collectorate, Cuddalore on 26.11.2021. As a part of the meeting a special event conducted for the management in flood affected areas of Cuddalore district. During the special event Dr. K. Natarajan, SMS (SST), KVK, Cuddalore delivered a technical lecture on crop management and Dr. S. Maruthasalam, SMS (PP) delivered a technical lecture on pest and disease management for the crops in the flood affected area of Cuddalore district and Leaflets on management of flood and rain in agricultural & Horticultural crops were distributed to the farmers. A total of 105 farmers participated in the meeting.

11.14. Trainers Training Programme to Project Staff and Farmers of Tamil Nadu Rural Transformation Project (TNRTP)

Trainers Training Programme to Project Staff and Farmers of Tamil Nadu Rural Transformation Project (TNRTP) on Integrated Crop Management Practices for Blackgram Cultivation was conducted to the farmers and Village level functionaries from 29.09.2021 to 01.10.2021 at Krishi Vigyan Kendra, Tamil Nadu Agricultural University Vriddhachalam, Cuddalore. Before the start of the training, Dr. N. Sriram Programme Coordinator delivered the welcome address. He highlighted the importance of this training and explained about the Black Gram Cultivation for upcoming season in Cuddalore district. Tmt. P. Sudhadevi, District Executive officer, Cuddalore inaugurated the training programme and emphasis on nutrients in

pulses and use this Krishi Vigyan Kendra of technical knowledge for Agriculture, Horticulture and Forestry and value addition of pulses and other agriculture products. A total number of 48 TNRTP project staffs and farmers participated in the programme.

The following lectures were delivered by SMS of KVK and Assistant Professors of Regional Research Station, Vriddhachalam.

Day 1	<ol style="list-style-type: none"> 1. Suitable seasons and varieties region wise 2. Seeds and Sowing – Seed treatment and source of seeds 3. Field preparation and sowing of seeds using machines 4. Integrated Nutrient Management for Black gram 5. Nutrient deficiency symptoms and corrective measures 6. Weed management practices
Day 2	<ol style="list-style-type: none"> 1. Integrated Pest Management Practices 2. Integrated Disease Management Practices 3. After cultivation practices – intercrop and foliar spray 4. Post Harvest Management Practices 5. Storage Methods 6. Packing and grading
Day 3	<ol style="list-style-type: none"> 1. List of Critical Practices to increase the crop yield / income 2. Value addition from black gram 3. Value added products from black gram 4. Best Marketing Practices 5. Machinery and equipment for black gram cultivation 6. Concluding session and feedback from trainees

11.15. Training on Integrated Crop Management Practices for Groundnut for TNRTP staff (08.02.2022 – 10.02.2022)

Trainers Training Programme to Project Staff and Farmers of Tamil Nadu Rural Transformation Project (TNRTP) on Integrated Crop Management Practices for Groundnut Cultivation was conducted to the farmers and Village level functionaries from 08.02.2022 to 10.02.2022 at Krishi Vigyan Kendra, Tamil Nadu Agricultural University Vriddhachalam, Cuddalore. Before the start of the training, Dr. N. Sriram, Programme Coordinator delivered the welcome address. He highlighted the importance of this training and explained about the Groundnut Cultivation for upcoming season in Cuddalore district. Tmt. P. Sudhadevi, District Executive officer, Cuddalore inaugurated the training programme and emphasis on nutrients in Groundnut and use Krishi Vigyan Kendra of technical knowledge for Agriculture, Horticulture and Forestry and value addition of pulses and other agriculture products. A total number of 50 TNRTP project staffs and farmers were participated in the programme.

The following lectures are delivered by SMS of KVK and Assistant professors of Regional Research Station, Vriddhachalam.

1. Suitable seasons and varieties region wise
2. Seeds and Sowing – Seed treatment and source of seeds
3. Field preparation & sowing of seeds using machines
4. Integrated Nutrient Management for Groundnut
5. Nutrient deficiency symptoms and corrective measures
6. Weed management practices in Groundnut
7. Micro irrigation and water management in Groundnut
8. Integrated Pest Management Practices and storage pests management
9. Post Harvest Management Practices
10. Integrated Disease Management Practices and field visit for identification of pest and diseases
11. After cultivation practices – intercrop and foliar spray
12. Value added products from Groundnut
13. Best Marketing Practices
14. Quality seed production methods in Groundnut
15. Concluding session and feedback from trainees

11.16. Training programme on “*Varagu* (Kodo millet) cultivation technologies and Value addition” and Field day

Entrepreneurship Development training programme on “*Varagu* (Kodo millet) cultivation technologies and Value addition” was organized at Krishi Vigyan Kendra, Vriddhachalam on 07.02.2022 in Nallur Village of Veppur Taluk.

Dr. N. Sriram, Programme Coordinator, Krishi Vigyan Kendra Vriddhachalam gave presidential address explaining about importance of small millets, revenue addition through value addition in millets and formation of FPOs. Thiru. M. Vijay Neehar, NABARD District Development Manager, Cuddalore District gave special address on importance of Farmers Producer Company and revenue generation by value addition in millets. Thiru. K. Rajasekar ADA, Nallur explained about the agriculture department activities and subsidies in agriculture. Dr. K. Bharathi Kumar Assistant Professor (Plant Breeding and Genetics) explained about improved *varagu* varieties and cultivation technologies. Tmt. G. Meenalakshmi, Programme Assistant (Tech) explained about the value addition and value added products in *Varagu* (Kodo millet). Students of RAWE and RHWE exhibited charts on *Varagu* (Kodo millet) technologies. A booklet on *Varagu* (Kodo millet) cultivation technologies and Value addition was released and distributed to farmers and entrepreneurs. Leading farmer and entrepreneur Thiru. P. Soundarajan proposed vote of thanks. Farmers and entrepreneurs of 120 persons attended the training. The farmers feedback received that the training provided extensive knowledge on *Varagu* (Kodo millet) cultivation and value addition. The improved variety ATL 1 given through OFT programme performance was good and it was earlier than local varieties cultivated by them.

11.17. New demonstration unit on the production of root based VAM biofertilizer at KVK, Vridhachalam (18.02.2022)

Vesicular Arbuscular Mycorrhizal (VAM) biofertilizers proves to be an important component in organic farming. Root based inoculum production of AM fungi is usually multiplied in pit culture or pot culture method using Root infection based culturing of AM in pits or pots raised with cereals such as Maize or Sorghum or onion, which proves to be a highly preferred colonizing crops of AM fungi.

The demonstration unit was inaugurated by Dr. N. Sriram, Programme Coordinator, KVK, Vridhachalam. The unit was established by the technical assistance of Dr.G. Gayathry, Asst. Prof. (Ag. Micro.) and Farm unit. All the subject matter specialists were present during the demonstration of the VAM unit.

Cement pit of size 3'x 6' feet were filled with sterilized farm soil, compost, vermiculite, Farm yard manure, AM spores purchased from the Department of Agrl. Microbiology, TNAU, Coimbatore. Onion sprouts were planted in rills laid over the cement filled with above said substrates. The onion bulbs were pretreated with AM biofertilizer at rate of 20 g per Kg. of bulb. The roots will be harvested after 30 days and root based VAM inoculum will be produced from KVK, Vrdhachalam.

11.18. Training on Integrated Crop Management Practices for Blackgram Cultivation for TNRTP staff (03.03.2022 – 05.03.2022)

Trainers Training Programme to Project Staff and Farmers of Tamil Nadu Rural Transformation Project (TNRTP) on Integrated Crop Management Practices for Black Gram Cultivation was conducted to the farmers and Village level functionaries from 03.03.2022 to 05.03.2022 at Krishi Vigyan Kendra, Tamil Nadu Agricultural University Vriddhachalam, Cuddalore. Before the start of the training, Dr. R. Baskaran, Associate Professor (Agronomy), delivered the welcome address. He highlighted the importance of this training and explained about the Black Gram Cultivation for upcoming season in Cuddalore district. Tmt. P. Sudhadevi, District Executive officer, Cuddalore inaugurated the training programme and emphasis on nutrients in pulses and use this Krishi Vigyan Kendra of technical knowledge for Agriculture, Horticulture and Forestry and value addition of pulses and other agriculture products. A total number of 50 TNRTP project staffs and farmers were participated in the programme.

The following lectures are delivered by SMS of KVK and Assistant professors of Regional Research Station, Vriddhachalam.

1. Suitable seasons and varieties region wise
2. Seeds and Sowing: Seed treatment and source of seeds
3. Field preparation & sowing of seeds using machines
4. Integrated Nutrient Management for Blackgram
5. Nutrient deficiency symptoms and corrective measures
6. Weed management practices in Blackgram
7. Micro irrigation and water management in Blackgram
8. Integrated Pest Management Practices and storage pests management
9. Post Harvest Management Practices
10. Integrated Disease Management Practices and field visit for identification of pest and diseases
11. After cultivation practices – intercrop and foliar spray
12. Value added products from Blackgram
13. Best Marketing Practices
14. Quality seed production methods in Blackgram
15. Concluding session and feedback from trainees

11.19. International Women's day 2022 on 08.03.2022

International Women's day 2022 was organized with events such as Exhibition, Kisan Gosthi, Students public speech, Motivational poets, demonstration of Agro techniques etc., on 08.03.2022 at KVK, Vriddhachalam with programs, initiatives, events organized for positive shift towards greater empowerment of women in all domain.

The programme was inaugurated by Dr. R. Baskaran, Programme Coordinator (i/c), KVK, Vriddhachalam. The program was organized by Dr.G. Gayathry, Asst.Prof. (Ag. Micro.) and Tmt. G. Meenalakshmi, Programme Assistant (Tech).

Tmt.S.Pownambal, SAC member of KVK, Vriddhachalam, Tmt. Vasanthi Natarajan, Proprietor, Madhura Micro Finance, Vriddhachalam were invited as special guest and leading woman entrepreneurs in Vriddhachalam. Tmt. Gowri, Manager, Kaushik Mushroom Enterprises, Tmt. Silamuchelvi, Nithran food products, Vriddhachalam, Tmt. Devaki, Flora herbal products, Thittakudi, Tmt. Jothi Rajangam, Proprietor, Pasumai Food products were honoured for their Agro-entrepreneurial skills obtained from the training offered by KVK, Vriddhachalam.

About 30 girl students of B.Sc., Hons (Horti.) and B.Sc., Hons. (Agri.) from HC&RI, Trichy and JSACAT, Thittakudi participated in the event and enlightened the event with motivational poems, public speech on women in Agri-enterprises and offered cultural

programmes. Exhibition on Biofertilizers seed treatment, Neem oil production, Cultural methods of insect pest management, Cashew grafting techniques, Mushroom spawns, Mushroom beds for oyster and milky mushroom production, value added products from Kodomillet etc.,

11.20. Training on Integrated Crop Management Practices for Cashew Cultivation for TNRTP staff (09.03.2022 – 11.03.2022)

Trainers Training Programme to Project Staff and Farmers of Tamil Nadu Rural Transformation Project (TNRTP) on Integrated Crop Management Practices for Cashew Cultivation was conducted to the farmers and Village level functionaries from 09.03.2022 to 11.03.2022 at Krishi Vigyan Kendra, Tamil Nadu Agricultural University Vriddhachalam, Cuddalore. Before the start of the training, Dr. N. Sriram Programme Coordinator delivered the welcome address. He highlighted the importance of this training and explained about the cashew Cultivation and post harvest technologies suitable for Cuddalore district. Tmt. P. Sudhadevi, District Executive officer, Cuddalore inaugurated the training programme and emphasis on nutrients in pulses and use this Krishi Vigyan Kendra of technical knowledge for Agriculture, Horticulture and Forestry and value addition of pulses and other agriculture products. A total number of 41 TNRTP project staffs and farmers were participated in the programme.

The following lectures are delivered by SMS of KVK and Assistant professors of Regional Research Station, Vriddhachalam.

1. Cashew cultivation in India – Issues and Challenges
2. Concluding session and feedback from trainees
3. Integrated Nutrient Management in cashew and Nutrient deficiency
4. Irrigation and fertigation in cashew
5. Seeds and Sowing – Seed treatment and source of seeds
6. Cashew based inter cropping systems
7. Propagation and nursery management in cashew
8. Field visit to High Density & Ultra high density planting
9. Establishment and management of cashew orchards
10. Integrated Disease Management Practices / Field visit for identification of pest and disease in cashew
11. Organic farming in cashew
12. Suitable seasons and varieties region wise for cashew
13. Value added products from cashew and cashew apple processing
14. Integrated Pest Management Practices
15. Success story on High Density planting in cashew

16. Success story on cashew value added products and FPOs
17. Nursery maintenance

11.21. Interventions in DFI village - Ayyan Kurinjipadi, Kurijipadi Block, Cuddalore district.

Key Interventions Introduced in the DFI village by KVK, Vridhachalam

- ❖ Seed Production - Groundnut, Paddy
- ❖ Varietal Replacement
- ❖ Cost Reduction Strategies
- ❖ Introduced Integrated Crop Management Practices
- ❖ Application of Soil test based Nutrients to the crops
- ❖ Animal Husbandry Enterprises
- ❖ Vermi Composting
- ❖ Mushroom Cultivation and *Spirulina*
- ❖ Non – Farm Enterprises (Weaving)
- ❖ Direct marketing of Agri Produces and Milk
- ❖ Formed FIG's and Facilitated exclusive FPO in the DFI village

Other Key interventions in the DFI village

- ❖ Introduced Mushroom cultivation to recycle the paddy straw
- ❖ Drone spray introduced to save cost and timely applications
- ❖ Wooden *Chekku* pressed Groundnut and Gingelly oil are being promoted in the DFI village.
- ❖ Vermi Composting by low cost technology as part of IFS
- ❖ Spirulina Production for improving economy and nutrient security
- ❖ Introduced all TNAU Boosters for enhancing productivity
- ❖ FPO exclusive for Farm Women is promoted with help of NABARD
- ❖ Direct Market of Milk with one litre cane directly to consumers
- ❖ Weaving as non-farm activities during lean period

11.22. Entrepreneurship training (EDP) (2021)

Agriculture plays important roles in the livelihood of many rural people. However, growing unemployment is a serious threat to the younger generations. Simultaneously, several educated youths are returning to agriculture citing various reasons like employment insecurity, work pressure, stress, etc. In these situations, KVK is playing an important role in training rural youth, farm women and farmers to start an agribusiness with limited capital. This will help them to get additional income other than farm income whereas rural youth and women get self-employment opportunities. Also mushroom is going to play an important role in nutritional security of the people owing to their rich nutrient status.

Several mushroom aspirants (including rural youth, farm women, self-help groups, farmers, students, etc.) have registered their name for mushroom training. KVK, Vriddhachalam is providing training to them on spawn production and oyster and milky mushroom production technologies. During 2021, 435 mushroom aspirants were trained on various technologies related to mushroom cultivation. They were given one-day training cum demonstration (hand on experience) on mushroom cultivation. Several trainees expressed their interest to start the mushroom production at small scale in their farm to become familiar with the technologies. KVK, Vriddhachalam is providing them with all technical back-strapping and inputs (spawn) to make them expertise in mushroom cultivation. One farmer from Kalkunam (Th. Rasu and his wife) village of Kurinjipadi have even started a spawn production laboratory in their village and doing mushroom cultivation, value addition in mushroom, etc. Apart from people involved in farming, 100 girl students from Akilandeshwari women's college, Vandavasi, got trained in mushroom cultivation and many of them are eager to start a mushroom unit.

Apart from mushroom training, one day training cum demonstration program was organized on bee keeping. About 112 participants from different walks of life have participated and acquired knowledge in indigenous bee keeping technologies.

Several of the trainees are still contacting KVK, Vriddhachalam to enhance their knowledge and become specialized in particular agribusiness. KVK is providing all the possible help to make them as successful entrepreneurs.

11.23. KVK coordinate with ATMA programme

Sl. No.	Date	Title of the training	Participants
1.	10.12.2020	Training on Oil palm cultivation - sponsored by ATMA(Mangalore block)	32
2.	16.12.2020	Training on Protected vegetable cultivation (ATMA farmers, Thuringapuram block , Thiruvannamalai district)	40
3.	22.12.2020	Hi-Tech cultivation of cashew to Ariyalur cashew growers	60
4.	18.01.2021	Training on ICM and IPM on Groundnut to farmers of Krishna narayapuram block of Karur District	50
5.	09.02.2021	Training on ICM in groundnut (ATMA farmers of Cheiyar block, Tiruvannamalai district)	20
6.	10.02.2121	Training on IFS (ATMA farmers of Andimadam block, Ariyalur district)	54
7.	15.02.2021	ICM in Groundnut (ATMA farmers)	52
8.	18.02.2021	Training on ICM and IPM practices of Groundnut, Cashew (ATMA farmers Thirumanur village, Jayankondam block, Ariyalur district)	54
9.	25.02.2021	Training on IFS (ATMA farmers of T. Palur block, Ariyalur district)	50

10.	23.07.2021	Training on IPM in Paddy at Gopalapuram village, Kammapuram block	42
11.	05.08.2021	Training on integrated crop management practices in paddy (ATMA farmers) at Agaranallur village, Kumaratchi block	45
12.	02.09.2021	Training on Transfer of Technologies on Seed production technologies in Paddy, Groundnut & Vegetable cultivation to ATMA farmers	60
13.	07.09.2021	ATMA sponsored training on Vermicompost production techniques at Pattur village, Mangalur block (07.09.2021)	50
14.	22.12.2021	Off campus training on IPM in paddy at Chettikattalai village of Kumaratchi block	30
15.	11.02.2021	Integrated crop management in groundnut –Exposure Visit (Keelpennathur, Tiruvannamalai District)	40
16.	18.06.2021	Integrated crop management in Oil seeds and pulses (Kallukurichi, District (Online)	40
17.	28.07.2021	Integrated crop management in Pulses, oilseeds and Cotton. (Kammapuram, Cuddalore District.)	40
18.	02.08.2021	Integrated crop management in cotton (Kammapuram, Cuddalore District.)	50
19.	02.12.2021	Soil Health management (Kammapuram, Cuddalore District.)	40
20.	23.12.2021	BTT and BFAC Meeting (Vridhachalam, Cuddalore District)	75
21.	11.01.2022	Farmers Scientist interaction meeting for ATMA farmer of Kammapuram block	25
22.	04.02.2022	Off campus farmers interactive meeting conducted by the Dept. of Agriculture under ATMA	55

11.24. Online training conducted during 2021-22

Sl. No.	Date	Title of the training	Participants
1.	12.05.2021	Kuruvai Rice Nursery Management	18
2.	13.05.2021	Spawn and mushroom production	101
3.	17.05.2021	Kuruvai and varagu varieties suitable for Cuddalore district.	23
4.	18.05.2021	Quality seed production techniques	44
5.	20.05.2021	Bee keeping and live demonstration	112
6.	25.05.2021	ICM and IPDM in tapioca cultivation	15
7.	26.05.2021	Online training on improved production technology of groundnut	96
8.	27.05.2021	Online training on e-NAM	66
9.	28.05.2021	Online training on Hi-Tech cultivation of vegetable crops	59

10.	31.05.2021	Online training on doubling the farmer income through Integrated Farming System	73
11.	01.06.2021	Celebration of World Milk Day - Online training on Value Added Products from Milk and Fodder Bank	41
12.	02.06.2021	Online training on Integrated Crop management for Paddy and Black gram on through zoom meeting	30
13.	03.06.2021	Online training on Integrated crop management and IPDM in pulses and oilseeds	46
14.	03.06.2021	Online training on Nutri Garden for Nutri Security through zoom meeting	22
15.	04.06.2021	Online training on Management of Problematic Soils through zoom meeting	30
16.	05.06.2021	Online training on Weather Advisory Tools through zoom meeting on 05.06.2021	28
17.	05.06.2021	Online awareness programme on World Environment Day 2021 zoom meeting on 05.06.2021	30
18.	08.06.2021	Online training - Integrated Weed Management Practices	70
19.	09.06.2021	Online training - Integrated Crop Management Practices for Cashew Nut Crop and value addition in Cashew	27
20.	10.06.2021	Online training programme on successful farmers in agriculture and allied enterprises on.	75
21.	11.06.2021	Online training on Nutrient deficiency symptoms for agri and horticultural crops and their management	35
22.	15.06.2021	Online training on Integrated crop management in Coconut	101
23.	17.06.2021	Online training on Kuruvai Paddy Cultivation Technologies	80
24.	18.06.2021	Online training on “ ICM & Integrated pest and disease management in pulses and oilseeds”	78
25.	18.06.2021	Online training on Balanced use of fertilizer	68
26.	30.06.2021	Online training on "Production of oyster and milky mushroom”	60
27.	08.07.2021	Online training on Integrated Farming system	30
28.	16.07.2021	Online training on Mushroom production technologies	40
29.	21.07.2021	On line Training Programme on ICM in paddy	30
30.	27.07.2021	On line training on Samba paddy cultivation techniques No of participants 35	35
31.	28.07.2021	Online training on Importance of soil testing	20
32.	05.08.2021	Online training on Varagu cultivation technologies and Value addition in small millets	30
33.	09.08.2021	Online training on Soil Health management	20
34.	10.08.2021	Online training on Seed production in samba paddy	25
35.	11.08.2021	Online training on Improved production technology of cluster bean and vegetable cowpea	30
36.	12.08.2021	Online training on Blackgram production technologies	25
37.	13.08.2022	Online meeting on Maize cultivation techniques	25

38.	16.08.2021	Online training on Mushroom production	22
39.	17.08.2021	Online training on Improved production technologies in Cumbu (Pearl millet)	15
40.	18.08.2021	Online training on Tomato and Brinjal cultivation technologies	30
41.	24.08.2021	Online training on Oyster and milky mushroom cultivation - conducted to Students and staffs of Akilaandeshwari Women's College, Vandavasi, Thiruvannamalai Dist.	100
42.	26.08.2021.	Online training on Nurti garden for food security	100
43.	02.09.2021	Online training on International Coconut Day – Profitable coconut cultivation technologies	32
44.	17.09.2021	Online training on Nurti garden for food security	100

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12. Progress of work during 2021-2022

12.1. On Farm Trial 2021-2022

Sl. No.	Crop	Village	Block	Title of the OFT conducted	No. of Demo	Area of FLD (ha)	Technology Demonstrated	SMS incharge
1.	Paddy	Chinnakumutti	Parangipettai	Assessment of suitable weed management practice for Direct seeded rice	5	1	The crop was sown on 28.09.2021 and the crop was harvested on 28.01.2022	Dr.R.Baskaran, SMS (AGR)
2.	Paddy	Melapalaiyur, Murugangudi, Vannankudikadu village	Vridhachalam, Nallur, Srimushnam and Mangalore block.	Assessment of suitable fine grain variety for samba Season	5	1	Crop was harvested the varieties TKM 13 and VGD 1 was found to be superior than farmers practice of BPT 5204.	Dr.K.Bharathi Kumar SMS(PBG)
3.	Paddy	Poonthottam, Panruti, Sirumulai	Vridhachalam and Mangalore block.	Assessment of suitable short duration fine grain variety	5	1	Crop was harvested ADT 53 was found to be superior which recorded an yield of 2025 kg ac	Dr.K.Bharathi Kumar SMS(PBG)
4.	Paddy	Kompadikuppam	Kammapuram	Assessing the efficacy of different transplanting methods in Paddy	5	2	Crop was harvested and yield parameters data is in progress	Dr.K. Natarajan, SMS (SST)
5.	Ragi	Parangipettai/ Annagramam	Annagramam	Assessment of Ragi variety in saline soil	5	2	Crop was in tillering stage.	Dr. G.Gayathry, SMS (Agrl.Micro)
6.	Varagu	Ilangiyanur	Nallur block	Assessment of suitable varagu varieties for Cuddalore District.	5	1	Crop was harvested the test entry ATL 1 was found to be earlier than Local Variety.	Dr.K.Bharathi Kumar SMS(PBG)
7.	Blackgram	Sithur	Nallur	Assessment of water soluble fertilizer foliar spray in blackgram	5	1	The crop was harvested on 21.01.22	Dr.R.Baskaran, SMS (AGR)

8.	Groundnut	Vridhachalama	Vriddhachalam	Assessment of foliar nutrition in groundnut	5	2	Two dose had been applied and the crop was in flowering stage	Dr. G.Gayathry, SMS (Agrl.Micro)
9.	Gingelly	Kolavai, Kondasamuthiram	Mangalur Srimushnam	Assessing the efficacy of different sowing methods in Gingelly	5	2	Sowing was taken up during February second week	Dr.K. Natarajan, SMS (SST)
10.	Sugarcane	Vridhachalam	Vriddhachalam	Assessment of the performance of new sugarcane variety (Co 11015) for higher productivity	3	1	Setts were received from SRS, Cuddalore and Planting was done in Pothiramangalam and Kuppantham on 13.01.2022.	Dr.K.Bharathi Kumar SMS(PBG)
11.	Bhendi	Erumanur	Vriddhachalam	Assessment of suitable bhindi (<i>Abelmoschus esculentus</i>) hybrids for YMV resistance and high yield under Cuddalore District	5	2	Crop is in harvesting stage	Dr.K. Sundharaiya, SMS (Hort.)
12.	Vegetable Cowpea	Aladi	Vriddhachalam	Assessment of suitable Vegetable cowpea (<i>Vigna unguiculata</i> L. Walp.) varieties for Cuddalore district.	5	2	Crop is in harvesting stage	Dr.K. Sundharaiya, SMS (Hort.)
13.	Brinjal/ Tomato	Sirupakkam	Kammapuram	Assessment of microbial consortia for the management of soil borne diseases in vegetable (tomato)	5	1	Experiment in progress. Treatments imposed.	Dr. S Maruthasalam, SMS (PP)
14.	Chilli	Sirupakkam	Kammapuram	Assessment of neem seed extracts for the management of sucking pest complex in chilli	5	1	Experiment in progress. Treatments imposed.	Dr. S Maruthasalam, SMS (PP)
15.	Cashew	Arasakuzhi	Vriddhachalam	Assessment of management methods for Cashew stem and root borer (CSRB)	5	1	Experiment in progress.	Dr. S Maruthasalam, SMS (PP)

16.	Banana	Pudhukuppam	Cuddalore	Assessment of microbial consortia for the management of panama wilt nematode complex disease in banana	5	1	Experiment in progress. The crop is 5 months old. Third application will be done in second fortnight of March.	Dr. S Maruthasalam, SMS (PP)
17.	Weather Advisory Service	Parangipettai	Parangipettai	Assessment of Effectiveness of Weather Advisory Services Through Different Mode of Communication Tools among coastal area farmers	5	1	Survey Completed	Programme Coordinator & SMS (Agromet)
18.	Agricultural Extension - Cotton	Sirumulai	Thitakudi	Assessing the effectiveness of the different extension methods in terms of knowledge gain and adoption of cotton technologies for improving the productivity	3	1	Survey completed	Programme Coordinator, SMS (PP) & SMS (PBG)

2.2. Front Line Demonstration 2021-2022

Sl. No	Crop	Variety	Village	Block	Title of the OFT conducted	No. of Demo	Area of FLD (ha)	Technology Demonstrated	SMS incharge
1.	Paddy	ADT 55	Ayankurinjipadi	Kurinjipadi	Demonstration of paddy variety ADT 55 in Cuddalore district	10	4	Crop was harvested and yield parameters data is in progress	Dr.K. Natarajan, SMS (SST)
2.	Paddy	ADT 54	Ayankurinjipadi, Rajendirapattinam	Kurinjipadi, Vriddhachalam	Demonstration of ADT 54 paddy seed production (foundation /certified) by farmer participatory mode	10	4	Crop was harvested, seed processing is in progress.	Dr.K. Natarajan, SMS (SST)
3.	Paddy	ADT 53	Ayankurinjipadi	Kurinjipadi,	Demonstration of	10	4	Sowing was taken up	Dr.K.

			di, Manikudiyan iruppu	Keerapalayam	ADT 53 paddy seed production (foundation /certified) by farmer participatory mode			during January Second week and the crop is in flowering stage	Natarajan, SMS (SST)
4.	Paddy	VGD 1	Melapalayur village	Kammapuram block	Demonstration of VGD 1 paddy seed production (foundation /certified) by farmer participatory mode	10	4	Crop was harvested and data on yield parameters is in progress	Dr.K. Natarajan, SMS (SST)
5.	Paddy	CO 54	Sirumulai and Perumulai village of Mangalur block	Mangalur	Demonstration of short duration Paddy Variety Co 54.	10	2	Nursery was raised in Sirumulai and Perumulai village of Mangalur block and Transplanting completed and crop was in vegetative stage.	Dr.K.Bharathi Kumar SMS(PBG)
6.	Paddy	TRY 4	Pothiramangal am	Mangalur	Demonstration of paddy variety TRY 4 with ICM in salt affected soil	10	4	Crop was harvested and yield data recording is in progress	Dr. G.Gayathry, SMS (Agrl.Micro)
7.	Millets - Maize	CO (Hm) 8	Keelcheruvai	Mangalur	Demonstration of CO (H) 8 maize hybrid and ICM rainfed maize	10	4	The crop was harvested and average yield of 22 q/ha was obtained	Dr.R.Baskaran, SMS (AGR)
8.	Black gram	VBN 11	Nallur and Elangiyanur Nallur block	Nallur block	Demonstration of MYMV resistant blackgram variety VBN 11.	10	2	Harvesting completed and an average yield of 400 kg/ac was observed.	Dr.K.Bharathi Kumar SMS(PBG)
9.	Black gram	VBN 10	Irulakurichi	Kammapuram	Introduction of black gram variety VBN 10 in Cuddalore district	10	4	The crop was sown on 20.11.2021 and the crop was harvested on 02.02.2022	Dr.R.Baskaran, SMS (AGR)
10.	Oilseeds- Groundnut	BSR 2	Kullanchavad i, Agaram	Kurinjipadi	Demonstration of BSR 2 Groundnut seed	10	2	Sowing was taken up during December	Dr.K. Natarajan,

					production (foundation /certified) by farmer participatory mode			last week and the crop is in pod formation stage	SMS (SST)
11.	Oilseeds- Sesame	VRI 3	Kolavai, Kondasamuthi ram	Mangalur Srimushnam	Demonstration of VRI 3 Sesame seed production (foundation /certified) by farmer participatory mode	20	8	Sowing was taken up during February second week	Dr.K. Natarajan, SMS (SST)
12.	Cotton	Co 17 <i>G. hirsutum</i>	Nallur and Panruti block, Perundurai of Vriddhachalam	Nallur and Panruti block	Demonstration of high density planting with Co 17 <i>hirsutum</i> cotton variety.	5	1	Kapas picking is in progress.	Dr.K.Bharathi Kumar SMS(PBG)
13.	Sugar cane	CoC 13339	Vriddhachalam, Pennadam	Vriddhachalam & Nallur block	Demonstration of CoC13339 sugarcane variety.	5	1	Setts were received from SRS, Cuddalore and Planting on 13.01.2022	Dr.K.Bharathi Kumar SMS(PBG)
14.	Cluster bean	MDU 1	Erumanur	Vriddhachalam	Demonstration of cluster bean variety MDU 1 with Integrated Crop Management	5	2	Crop is in harvesting stage	Dr.K. Sundharaiya, SMS (Hort.)
15.	Small onion	Co 6	Alichikudi, Aladi, Rettakurichi	Bhuvanagiri, Vriddhachalam	Demonstration of small onion var. Co 6 with Integrated Crop Management	5	2	Crop was harvested and yield data recording is in progress	Dr.K. Sundharaiya, SMS (Hort.)
16.	Brinjal	VRM (Br) 2	Kamapuram	Kammapuram	Demonstration of VRM (Br) 2 brinjal variety with Integrated Crop Management	5	2	Crop is in fruiting stage	Dr.K. Sundharaiya, SMS (Hort.)
17.	Cassava	Thailand	Sirupakkam, S.Puthur	Mangalur	Demonstration of growth enhancer for cassava in calcareous soil	10	4	Crop harvest is under waiting stage by the cassava processing mill	Dr. G.Gayathry, SMS (Agrl.Micro)
18.	Turmeric	Local	Mangalur	Mangalur	Demonstration of Integrated Crop	10	4	Crop is in harvest stage	Dr. G.Gayathry,

					Management in turmeric				SMS (Agrl.Micro)
19.	Cropping system	-	Mangalur	Mangalur	Demonstration of cassava based cropping system	5	2	Inputs were distributed and sowing was taken on February.	Dr.K. Sundharaiya, SMS (Hort.)
20.	Fodder	CoFS 31	Keelcheruvai	Mangalur	Demonstration on CoFS 31 fodder crop	10	1	The fodder sorghum was sown on 23.08.2021. The first harvest was on 22.12.2021. Subsequent harvest is done.	Dr.R.Baskaran, SMS (AGR)
21.	Green manure - Sunnhemp	Co 1	Annagramman & Nallur	Annagramman	Demonstration of seed production by farmer participatory mode on sunhemp in salt affected soil	10	4	Sowing was done on 18.03.2022.	Dr. G.Gayathry, SMS (Agrl.Micro)
22.	Paddy		Kilimangalam	Nallur block	Demonstration of Integrated pest and disease management strategies in paddy	10	4	Demonstration completed	Dr. S Maruthasalam, SMS (PP)
23.	Cash crop - Cotton		Sirumulai	Mangalur	Demonstration of Integrated pest and management strategies in cotton	5	2	Demonstration completed	Dr. S Maruthasalam, SMS (PP)
24.	Onion	Small onion	Aladi	Vriddhachalam	Demonstration of Integrated pest and management strategies in aggregatum onion	5	2	Demonstration completed	Dr. S Maruthasalam, SMS (PP)
25.	Maize	Local	Keelcheruvai	Mangalur	Demonstration of IPM of Fall Army Worm (<i>Spodoptera frugiperda</i>) on maize	5	2	Demonstration completed	Dr. S Maruthasalam, SMS (PP)
26.	Dairy – Cattle	TANUVAS	Ilangiyanur	Nallur	Demonstration of TANUVAS Mineral	10	1	Mineral mixture distributed to farmers	Dr.K.Bharathi Kumar

		Mineral mixture			mixture for Milch Animals			and milk yield recording is in progress.	SMS(PBG)
27.	Poultry – Aseel chick	Aseel	Deevalur	Vriddhachalam	Demonstration on Aseel chick for backyard poultry	10		Chicks are four month old.	Mrs. G. Meenalakshmi PA (Tech)
28.	Fisheries	Tilapia (GIFT)			Demonstration of Genetically Improved Farmed Tilapia (GIFT)	10		Trial initiated	Dr.R.Baskaran, SMS (AGR)
29.	Value addition - Cashew apple	-	Manalur	Vriddhachalam	Demonstration of Value addition in Cashew apple	10	1	Trial completed	Mrs. G. Meenalakshmi PA (Tech)
30.	Value addition - Jack fruit	-	Panruti	Panruti	Demonstration of value addition in jackfruit using portable solar drier	10	1	Trial completed	Mrs. G. Meenalakshmi PA (Tech)
31.	Farm Machinery	-	Karuppanchavadi	Kullanchavadi	Demonstration of Farm women friendly Seed Drill for Sowing of Oil Seeds and Pulses	10	1	Purchased seed drill and demo was conducted for groundnut and gingelly	Dr.K. Natarajan, SMS (SST)

13. Joint Diagnostic visits

Plant protection advisory services are very important for the farmers to take up protective measures at correct time with right strategy. During 2021, several pest and disease problems have emerged causing significant yield losses to farmers and also increased the cost on plant protection chemicals. Some of the pest and disease incidences that caused serious issues are, tapioca Mealy bug, paddy gall midge and brown plant hopper, paddy black bug, paddy bacterial leaf blight and sugarcane mealy bug, coconut Rugose spiraling whitefly, maize fall army worm, etc.

In this regard, KVK scientists made several diagnostic field visits along with department of agriculture and horticulture staff to identify the exact problems and address the farmers with suitable management measures. Joint field visits were made to several villages in Panruti and Mangalur blocks to diagnose the pest incidence in tapioca. The KVK scientists have found that it was a new species of Mealybug (*Phenacoccus manihoti*) causing rosette symptoms in infested plants. The infected plants become stunted, severely defoliated leaving only the stem. Based on the visits, the farmers were suggested to take up integrated pest management strategy to contain the pest. The farmers were able to manage the pest and safeguard the crop. Similarly, in paddy, gall midge, brown plant hopper and black bug infestation are noticed during joint diagnostic field visits in Kurinjipadi, Bhuvanagiri and Keerapalayam blocks and suitable control measures were suggested. After the recent monsoon, in several paddy growing areas (Kammapuram, Kumaratchi, Keerapalayam, Parangipettai blocks), bacterial leaf blight/streak disease out-break was noticed. The farmers were recommended to take up bacterial disease specific control measures to protect their crops.

In addition to the diagnostic field visits, the Assistant Horticultural Officers (AHO's) were given hands on training at KVK, Vridhachalam pertaining to emerging pest and diseases in horticultural crops to keep them updated on the new pest or disease out-break and recent recommendations to manage them. Paper news are routinely published on pest and disease issues in dailies for the benefit of farmers and extension functionaries.

14. Farm Revolving fund activity (2021)

Sl. No.	Item description	Quantity	Value (Rs.)	No. farmer benefitted
1.	Cashew graft	10524 Nos.	256502	148
2.	Ornamental herbal plants	380 Nos.	3800	65
3.	Teak Seedlings	1049 Nos.	10490	120
4.	Azolla	65 kg	6500	64
5.	Vermicompost	2580 kg	37200	28
6.	Jack graft	1448 Nos.	108600	47
7.	Guava rooted cuttings	1955 Nos.	78200	68
8.	Cocopith	1364 kg	20460	124
9.	Paddy seed (TKM 13)	7590 kg	311190	126

10.	Paddy seed (VGD 1)	1500 kg	55500	25
11.	Paddy seed (ADT 53)	1560 kg	60840	52
12.	Paddy seed (TPS 5)	10200 kg	316200	170
13.	Blackgram	1057 kg	108871	52
14.	Coconut seedlings	19 Nos.	760	2
15.	Coconut Tonic	45 liters	14400	90
16.	Groundnut rich	1812 kg	362400	455
17.	Pulse wonder	80 kg	16000	20
18.	TANUVAS mineral mixture	15 kg	825	5
19.	Banana special	20 kg	3000	7
20.	Vegetable special	8 kg	1200	8
21.	Mango special	10 kg	1500	5
22.	Vegetable seed packet	600 Nos.	60000	200
Total			1834438	1881

15. Seed Production by farmer participatory mode during 2021-2022

S. No.	Crop	Class of seed	Variety	Quantity in kg
1.	Paddy	Foundation I	TKM 13	10140
2.	Paddy	Foundation I	VGD 1	1500
3.	Paddy	Foundation I	TPS 5	10200
4.	Paddy	Certified	ADT 53	2430
5.	Blackgram	Foundation	VBN 10	330
6.	Blackgram	TFL	VBN 10	230
			Total	24830
Groundnut Seed hub				
7.	Groundnut	Foundation	VRI 8	40140
8.	Groundnut	Foundation	GJG31	1925
9.	Groundnut	Foundation	Dharani	1785
10.	Groundnut	Foundation	K1812	900
11.	Groundnut	Certified	VRI 8	55147
			Total	99897

16. Award: KVK, Vriddhachalam received the Best Performing DFI CENTRES award on 01.06.2021 at TNAU, Coimbatore

