

**THIRTY SIXTH  
ANNUAL REPORT  
(2006-2007)**



**APRIL 2006 - MARCH 2007**

**DIRECTORATE OF PLANNING AND MONITORING  
TAMIL NADU AGRICULTURAL UNIVERSITY  
COIMBATORE - 641 003**



**THIRTY SIXTH  
ANNUAL REPORT  
(2006-2007)**



*Compiled by*  
**Prof. R. BALASARASWATHI**  
**Prof. B. RAJKANNAN**

**DIRECTORATE OF PLANNING AND MONITORING  
TAMIL NADU AGRICULTURAL UNIVERSITY  
COIMBATORE - 641 003**



# THIRTY SIXTH ANNUAL REPORT (2006-2007)



## ANNUAL REPORT COMMITTEE

### *Chairman*

**Dr. R. Balasaraswathi**

Director (i/c), Planning and Monitoring

### *Members*

**Dr. B. Chandrasekaran**

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Director, SCMS

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Dean, HC&RI

**Dr. R. Selvaraj**

Director, ODL

**TAMIL NADU AGRICULTURAL UNIVERSITY**

COIMBATORE - 641 003





## FOREWORD



**Prof. C. Ramasamy**  
Vice-Chancellor

Agriculture is the largest economic sector and plays a significant role in the overall socio-economic development of the country. Agricultural productivity in India can be increased by adopting modern agricultural practices. Tamil Nadu Agricultural University is focusing to improve the livelihood of farmers and to commercialize farming as a profitable business, besides producing farm graduates.

Our research activities are need based, very focused and time bound. New varieties are released every year to suit different regions of the state. New farm implements are designed to alleviate labour problem in farming practices. Our biotechnological research, supplements our conventional methods. Appropriate technical know-how are continuously developed and disseminated.

As one of the better performing State Agricultural Universities, we mould our students with self confidence and innovative thinking to meet the national and global needs. Education in TNAU is continuously monitored and reoriented with international collaborations wherever possible, to meet the challenges. Besides regular channels, TNAU offers distance learning programmes in agriculture and allied sciences.

TNAU has a very effective extension system. To make our achievements reach the farming community, we undertake demonstrations in the farmers' holdings by way of precision farming in different districts. Social forestry programmes are encouraged.

Due to severe water shortage, marginal farmers are forced to quit farming which affects the financial health of the entire village. Considering the inadequacy of irrigation facilities, adoption of effective irrigation practices in farmers' holdings are popularized. Separate cells operate in TNAU to forecast the weather status and to disseminate real time price information and market intelligence on agricultural commodities. A separate centre focuses on research on biofuels also. Special emphasis is also given to seed multiplication for building adequate stocks of seeds. Periodically all our activities and achievements are published by way of Newsletter and Books in Tamil and English.

I thank the State and Central Governments, State Planning Commission, State Marketing Board, Indian Council of Agricultural Research, other National and International Funding Agencies. I thank all my university colleagues without whose tireless contributions, the achievements of Tamil Nadu Agricultural University would be impossible.

I congratulate the Director i/c, Planning and Monitoring and her team in bringing out this document in a commendable manner. I am sure that all our stake holders would be benefited by the information given in this report and this report will help them understand the sustained efforts taken by us.

**Prof. C. Ramasamy**  
Vice-Chancellor





## PREFACE



### **Prof. R. Balasaraswathi**

Director i/c, Planning and Monitoring

Tamil Nadu Agricultural University is the top ranking agricultural university in the country. It has taken a lead in agricultural education, research and extension activities. It gives me immense pleasure in bringing out the annual report for the year 2006-'07 for this prestigious institution.

Curricula and syllabi in TNAU are continuously restructured to impart quality education. Besides national, TNAU collaborates with international schools to produce globally competitive and confident farm graduates who can face the new challenges and offer suitable solutions to our stakeholders.

TNAU stands as a model research institute in areas of Biotechnology, Water management, Forestry, Biofuels, Food processing, Seed production etc. in the country. Our research programmes are demand driven and time bound to produce new high yielding varieties, farm implements and to develop appropriate technical know-how which are released every year to benefit the farming community.

Our extension workers take adequate care for effective transfer of knowledge and implementation of new technologies. Besides training, field demonstrations are also taken up in farmers' holdings. All new useful informations are published by way of periodicals, books and newsletters. Also all the activities of the year are compiled and given by way of annual report so as to benefit the farmers and agripreneurs. Stagnation in productivities and poor returns to farmers are witnessed in recent years. As agriculture plays a significant role in the overall socio-economic development of the country, TNAU now focuses on agri business also.

Behind the success of all our efforts lie the guidance and encouragement of our Vice-Chancellor. I thank our Vice-Chancellor, Prof. C. Ramasamy for all the support given to us. I thank the State and Central governments, State Planning Commission, Indian Council of Agricultural Research, other National and International agencies who have supported financially our research, education and extension programmes. I also thank all the Deans / Directors, Head of departments and Scientists of Tamil Nadu Agricultural University for their co-operation in providing the reports in time for this compilation.

My special thanks to all my staff of the Directorate of Planning and Monitoring for their sincere efforts and whole hearted support in bringing out this report.

**Prof. R. Balasaraswathi**

Director i/c



# CONTENTS

	<b>Page No</b>
<b>1. Introduction</b>	1
<b>2. Administration</b>	3
<b>3. Education</b>	
3.1. Post Graduate Education	25
3.2. Under Graduate Education	31
3.3. Directorate of Students Welfare	67
3.4. University Library	70
3.5. Directorate of Open and Distance Learning	71
3.6. Directorate of Controller of Examination	72
<b>4. Research</b>	
4.1. New crop varieties, Farm implements, Management technologies released during 2006 and 2007	73
4.2. Agricultural Crops	101
4.3. Horticultural Crops	104
4.4. Forestry	106
4.5. Centre for Plant Molecular Biology	106
4.6. Planning and Monitoring	107
4.7. Water Technology Centre	109
4.8. Center for Agricultural Rural Development Studies	109
4.9. Agri Business Development	110
<b>5. Extension Education</b>	
5.1. Krishi Vigyan Kendras	111
5.2. Training Division	113
5.3. Farmers' field school	114
5.4. Agricultural Technology Information Centre (ATIC)	114
<b>Appendices</b>	
I. Civil works completed	115
II. Details of University schemes	123
III. List of Research papers Published	124





## 1. INTRODUCTION

Agriculture in Tamil Nadu has to compete not only with other states of India but also with world agriculture. The agricultural products from Andhra Pradesh, Karnataka, Gujarat, Maharashtra and Himachal Pradesh and also the processed and imported agricultural goods from Malaysia, Indonesia, Sri Lanka, USA and China are challenging in terms of quality and price with domestic agricultural products. So farmers in Tamil Nadu should be innovative to adopt modern technologies for increasing productivity and reducing unit cost in order to meet out the existing market driven competition. To achieve this, the farmers should give much consideration to the following thrust areas viz., quality of products, raising crops based on market demand, suitable plant protection measures and post harvest technologies, warehousing and supply chain management, market information based decision making and value addition. Agricultural research should be carried out based on the above mentioned thrust areas and the results of the same should reach the farming community properly and effectively. Agricultural education should be so designed to effect this sort of research. At present, we are dutiful to feed our people by increasing production so as to reduce the gap between demand and supply despite the threatening factors like geometric increment of population, decrement in agricultural land, effects of climatic change, monsoon failure etc. Keeping the above in mind, Tamil Nadu Agricultural University has proactively designed and implemented its triple functions of education, research and extension activities. In this line, the significant achievement and developments made in TNAU during 2006-07 in agricultural education, research and extension activities are presented in this report.

### Education

Tamil Nadu Agricultural University has reached the position of one of the top ranking agricultural universities in India due to its good quality of agricultural education. TNAU's significant role in offering agricultural education is made possible through the 10 colleges in seven campuses and a diploma institute

situated in different districts of Tamil Nadu. The curriculum of the university is tailored to meet out the needs of the clientele who are engaged in Agriculture, Horticulture, Agricultural Processing, Agricultural Marketing, Agro-based industries, Agricultural Engineering and Home Science as well as future agriculture development and research. Quality education offered in TNAU is reflected by the successful graduates' achievements in organizations of different sectors. As usual the students of the university have recorded their excellence through their success in All India Competitive Examinations like Indian Administrative Service (IAS), Indian Police Service (IPS), and Indian Forestry Service (IFS).

### Students' welfare

The Directorate of Students Welfare (DSW) in Tamil Nadu Agricultural University, Coimbatore is the nodal centre of students' counseling and placement activities for all the constituent colleges of the university. The core activities of the Directorate of Students' Welfare are job placement, higher education in India and abroad and Career counseling. The graduates of the university are well placed through campus interviews, job fairs, industrial visits and overseas employment unit. In the recent years students are benefited as "Green Group" member i.e. internet based global networking for Tamil Nadu Agricultural University alumni working or studying abroad for exchange of information about fellowships and assistantships or job opportunities available across the globe. For civil service examination, coaching classes are being offered to graduates of the university. 16 students succeeded in the civil service exam during 2006.

### Research

TNAU's significant role in conducting need based agricultural research on crop improvement, crop management, crop protection, post harvest technologies, agricultural marketing, processing, farm implements and machineries, increasing water use efficiency and water management technologies were made possible through the

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10 colleges and 32 research stations of the University.

**T** As a result of research in agricultural crops during the year 2006-07, one new variety in each of Rice, Panivaragu, Blackgram, Avarai and Groundnut were released. In the horticulture crops, a new variety of Tapioca, white long snake gourd, Sapota, Jack and Bhendi Hybrid, were also released. Besides, Power tiller operated slasher cum in situ shredder, Sugarcane detrasher and A sub soiler attachment for stump removal were also developed and made available to the farming community.

**N** New management technologies like IPM for pigeonpea pod borer, IPM module for blackgram, Protein enriched spicy mango bar, Shade net technology for sweet pepper and paprika, Botanical formulation "Ilamathi" for higher silk yield, Mass multiplication of Bamboos and Soil test based IPNS for vegetable crops were also released during the year under report.

Forecasting of prices for agricultural commodities and dissemination of market information by Domestic and Export Market Intelligence Cell (DEMIC) of the university is highly useful to the farmers and market

functionaries involved in agricultural marketing. Forecasting of prices for cotton, banana, chillies, turmeric, maize, small onion, gingelly and blackgram was done to help the farmers in taking decisions as whether to hold (or) sell the stocks immediately after harvest for getting better prices. Also different markets offering higher prices were informed.

### Extension

The Directorate of Extension Education (DEE) is primarily responsible for transfer of the latest technologies emanating from various programmes of Tamil Nadu Agricultural University to the farming community and extension personnels. Fourteen Krishi Vigyan Kendras (KVKs) functioning under the control of this Directorate organized skill oriented vocational training to farm men and women and youth in agriculture and allied fields. Training division of the directorate has conducted training for the officials from Agriculture and other development departments. Besides, agricultural technologies are being disseminated through Valarum Velanmai (Magazine), Tamil Nadu Agricultural University Newsletter, Audio and Video cassettes and Video CD for the benefit of farmers.



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## 2. ADMINISTRATION

- Chancellor : His Excellency the Governor of Tamil Nadu  
**Thiru. SURJIT SINGH BARNALA**
- Pro-Chancellor : Hon'ble Minister for Agriculture,  
Government of Tamil Nadu  
**Thiru. VEERAPANDI S. ARUMUGAM**  
( From 13.5.2006 onwards)
- Vice-Chancellor : **Dr. C. RAMASAMY**

Sl. No.	Designation	Name	Period	
			To	From
1.	Registrar, TNAU, Coimbatore	Dr. P. Santhana Krishnan	01.04.2006	31.03.2007
2.	Dean, AC&RI, Coimbatore	Dr.K.Vanagamudi	01.04.2006	31.03.2007
3.	Dean, SPGS, Coimbatore	Dr.R.Chandrababu	01.04.2006	31.03.2007
4.	Dean, HC&RI, Coimbatore	Dr. D. Veeraragavathatham	01.04.2006	31.03.2007
5.	Dean, AEC&RI, Coimbatore	Dr.A.Sampathrajan	01.04.2006	31.03.2007
6.	Dean, AC&RI, Madurai	Dr. K. Ramamoorthy	01.04.2006	31.03.2007
7.	Dean, HSC&RI, Madurai	Dr. K. Sheela Dr. K. Ramamoorthy i/c Dr. A. Andal	01.04.2006 06.08.2007 01.03.2007	05.08.2006 28.02.2007 31.03.2007
8.	Dean, AEC&RI, Kumulur	Dr. K.Rangasamy	01.04.2006	31.03.2007
9.	Dean, AC&RI, Killikulam	Dr. P. Vivekanandan	01.04.2006	31.03.2007
10.	Dean, HC&RI, Periyakulam	Dr. S. Natarajan	01.04.2006	31.03.2007
11.	Dean, AC&RI, Trichy	Dr. S. Jebaraj	01.04.2006	31.03.2007
12.	Dean, APAC, Kalavai	Dr. R.Durai	11.01.2007	31.03.2007
13.	Dean, FC&RI, Mettupalayam	Dr.P. Raghuram Singh Dr. A.K. Mani ( i/c ) Dr.Masina Govinda Rao	01.04.2006 06.08.2006 11.08.2006	06.08.2006 10.08.2006 31.03.2007
14.	Director of Research, TNAU, Coimbatore	Dr. B. Chandrasekaran	01.04.2006	31.03.2007
15.	Director, SCMS, TNAU, Coimbatore	Dr. S. Natarajan	01.04.2006	31.03.2007
16.	Director, CARDS, TNAU, Coimbatore	Dr.K. Palanisami	01.04.2006	31.03.2007
17.	Director, CPBG, TNAU, Coimbatore	Dr. T.S. Raveendran	01.04.2006	31.03.2007
18.	Director, CPPS, TNAU , Coimbatore	Dr.R.Samiyappan	01.04.2006	31.03.2007

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19.	Director, CPMB, TNAU, Coimbatore	Dr.P. Balasubramanian	01.04.2006	31.03.2007
20.	Director, WTC, TNAU, Coimbatore	Dr.M.V. Ranghaswami	01.04.2006	31.03.2007
21.	Director ODL TNAU, Coimbatore	Dr. R. Durai Dr.R.Samiyappan ( i/c ) Dr. G. Selvaraj	01.04.2006 11.01.2007 10.02.2007	11.01.2007 10.01.2007 31.03.2007
22.	Director (Extn. Education), TNAU, Coimbatore	Dr. E. Vadivel	01.04.2006	31.03.2007
23.	Director, Planning & Monitoring, TNAU, Coimbatore	Dr.R.Balasaraswathi Dr.M.Thangaraju ( i/c ) Dr.P.Murugesaboopathi Dr.R.Balasaraswathi ( i/c )	01.04.2006 01.11.2006 12.02.2007 13.02.2007	31.10.2006 11.02.2007 12.02.2007 31.03.2007
24.	Director, Students Welfare, TNAU, Coimbatore	Dr.M.Thangaraju,	01.04.2006	31.03.2007
25.	Director, TRRI, Aduthurai	Dr. V.Muralidharan	01.04.2006	31.03.2007
26.	Controller of Exams., TNAU, Coimbatore	Dr.V.Valluvaparidasan	01.04.2006	31.03.2007
27.	Director, Agri Business Development, TNAU, Coimbatore	Dr. P. Subbian	10.02.2007	31.03.2007
28.	Estate Officer, TNAU, Coimbatore	Er. D. Kalaiselvan ( i/c )	01.04.2006	31.03.2007
29.	Comptroller, TNAU, Coimbatore	Thiru M. Thangaraj	01.04.2006	31.03.2007

## BOARD OF MANAGEMENT

### Chairman and Members of Board of Management

CHAIRMAN				
1	Dr. C.Ramasamy, Ph.D., Vice Chancellor TNAU, Coimbatore - 641 003		01.04.2006	31.03.2007
MEMBERS				
2	Selvi. Leena Nair, I.A.S., Agrl. Production Commissioner and Secretary to Government, Agriculture Department, Fort, Chennai-600 009.		01.04.2006	21.05.2006
	Thiru. Surjit K. Chaudhary, I.A.S., Agrl. Production Commissioner and Secretary to Government, Agriculture Department, Fort, Chennai-600 009.		22.05.2006	31.03.2007



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3	Thiru K. Gnanadesikan, I.A.S., Secretary to Government Finance Department, Fort, Chennai - 600 009.	01.04.2006	31.03.2007
4	Thiru N. Vasudevan, I.A.S., Commissioner of Agriculture Chepauk, Chennai - 600 005.	01.04.2006	27.06.2006
	Thiru. G.Santhanam, I.A.S., Director of Agriculture, Chepauk, Chennai - 600 005	28.06.2006	31.03.2007
5	Th. R. Karpoorasundarapandian, I.A.S., Special Commissioner, Dept. of Horticulture and Plantation Crops, Agriculture complex, III Floor, Chepauk, Chennai - 600 005.	01.04.2006	31.05.2006
	Th. P. Sonai, I.A.S., Commissioner, Commissionerate of Horticulture and Plantation Crops, Agriculture complex, III Floor, Chepauk, Chennai - 600 005.	01.06.2006	02.01.2007
	Thiru. Jagmohan Singh Raju, I.A.S., Commissioner, Commissionerate of Horticulture and Plantation Crops, Agriculture complex, III Floor, Chepauk, Chennai - 600 005.	03.01.2007	31.03.2007
6	Thiru. V. Jayabalan, Chief Engineer (Agrl. Engineering) i/c. New No.487, Anna Salai, Nandanam, Chennai - 600 035.	01.04.2006	30.09.2006
	Thiru. O.S. Susindiren, Chief Engineer (Agrl. Engineering) i/c. New No.487, Anna Salai, Nandanam, Chennai - 600 035.	01.10.2006	30.11.2006
	Thiru. S.T.Sabarathinam, Chief Engineer (Agrl. Engineering) i/c. New No.487, Anna Salai, Nandanam, Chennai - 600 035	01.12.2006	31.03.2007
7	Dr. Sukdev, I.F.S., Principal Chief Conservator of Forests, No.1, Jeenis Road, Saidapet, Chennai - 600 015.	01.04.2006	31.05.2006

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	Thiru. C.K.Sreedharan, I.F.S., Principal Chief Conservator of Forests, No.1, Jeenis Road, Saidapet, Chennai 600 015	01.06.2006	31.03.2007
8	Dr. N. Vijayan Nair, Director, Sugarcane Breeding Institute, Coimbatore 641 007.	01.04.2006	31.03.2007
9	Dr. S. Arulsekhar, 3/33, Thiruvarur Main Road, Manganallur Bazar Post, PIN 609 404 (Tamil Nadu)	01.04.2006	31.03.2007
10	Thiru D.Ramakrishnan, Ooruppannadi Nivas, Kottur Malaiyandipattanam, Pollachi, Coimbatore - 642114.	01.04.2006	31.03.2007
11.	Rtn. PHF. R. Pandian, Chairman & M.D., Orpi Group of Companies, Raj Chambers, 978, Thadagam Road, R.S. Puram, Coimbatore 641 002.	01.04.2006	31.03.2007
12	Dr. K. Balaraman, No. 559, RMV II Stage, Scientific Nursery Complex, New B.E.L. Road, Bangalore 560 094.	01.04.2006	31.03.2007
13	Mrs. Chinnapillai, Organizer of Agricultural Labourers, C/o. DHAN Foundation, 18 Pillayar Kovil Street, S.S. Colony, Madurai 625 010.	01.04.2006	31.03.2007
14	Dr. S.P. Sugirthavathi, 79/264, Lakshmanasamy Salai, K.K. Nagar, Chennai 600 078.	01.04.2006	31.03.2007
15	Thiru P. Chidambaram, M.L.A., No.21, Extension Street, Rangasamudram Post, Sathiamangalam (Taluk) Erode Dist. 638 42.	01.04.2006	10.08.2006
	Thiru.S. Gurusamy, M.L.A., 92, Burgur Main Road, Sankarapalayam Post, Anthiyur via, Bhavani Taluk, Erode District 638 501.	11.08.2006	31.03.2007
16	Thiru S. Tamil Mani, No.4, Rice Mill Road, Sungam, Ramanathapuram, Coimbatore 641 045.	01.04.2006	05.11.2006

17	Dr.K.P.Ramalingam, B.V.Sc., "Uzhavar Illam", Rasipuram 637 408, Namakkal District.	06.11.2006	31.03.2007
<b>MEMBER SECRETARY</b>			
18	Dr. P.Santhana Krishnan, Ph.D.Registrar, TNAU, Coimbatore.	01.04.2006	05.11.2006

## MEETINGS OF THE BOARD OF MANAGEMENT

141<sup>st</sup> Meeting held on 28.06.2006 at Coimbatore Main Campus

142<sup>nd</sup> Meeting held on 04.10.2006 at Coimbatore Main Campus

143<sup>rd</sup> Meeting held on 10.02.2007 at Coimbatore Main Campus

## IMPORTANT DECISIONS OF THE BOARD OF MANAGEMENT

### 141<sup>ST</sup> MEETING ( 28.06.2006 )

1. Approved for the provision of one super speciality post of Professor (core informatics) within the overall sanctioned strength of Professor posts.
2. Approved and sanctioned the construction of International Students Hostel at Tamil Nadu Agricultural University, Coimbatore at an estimated cost of Rs.95 lakhs.
3. Approved in principle to start a New Cotton Research Station in Perambalur district and to send a proposal to the Government for the purpose.
4. Approved in principle to start a Maize Research Station in Dindigul district and to send a proposal to the Government for the purpose.
5. Approved in principle for starting of Diploma Course in Agriculture at (1) ARS, Bhavanisagar (2) ARS, Kovilpatti and (3) Other Stations in the Southern Districts of Tamil Nadu on Self Supporting Basis from the academic year 2006-2007.

### 142<sup>ND</sup> MEETING ( 04.10.2006 )

1. Approved for starting new courses on self supporting basis, (i) B.Tech (Bio-informatics) (ii) P.G. Diploma in Capital

and Commodity Market and (iii) P.G. Diploma in Organic Agriculture from the Academic year 2006-07.

2. Approved for granting affiliation under usual terms and conditions to M/s Saraswathi Foundation for Rural Development and Training, Pulutheri Village, Karur District for starting Diploma Course in Agriculture duly sending a proposal to the Government to give permission.
3. Approved the change of nomenclature of the Zonal Research Centre of Tamil Nadu Agricultural University as "Agricultural Machinery Research Centre".
4. Approved the proposed construction of the Centenary Building at a cost of Rs.5.00 crores. Constituted an Adhoc committee for collection of funds as donation for the above purpose.
5. Approved for establishing a separate Seed Production Centre in Tamil Nadu Agricultural University a Seed Centre under the control of a Special Officer (Seeds).
6. Approved for establishment of a separate Directorate of Agri-Business Development in TNAU.

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**143<sup>RD</sup> MEETING (10.02.2007)**

1. Noted the implementation of G.O. Ms. No.21, Agri (AU) Dept. dated 25.01.2007 ordering 131 Teaching Assistants be appointed as Assistant Professors in the regular time scale of pay.
2. Noted the establishment of Krishi Vigyan Kendra, Pappalapatti in Dharmapuri district under the assistance of ICAR and having taken possession of 40.40 acres of land belonging to State Seed Farm, Pappalapatti.
3. Noted the implementation of "Tamil Nadu Irrigated Agriculture Modernization and Water-Bodies Restoration and Management Project (TN-IAMWARM)" in Tamil Nadu Agricultural University.
4. Approved and sanctioned the construction of Farmers Hostel at Tamil Nadu Agricultural University, Coimbatore at an estimated cost of Rs.150 lakhs.

**MEMBERS OF THE ACADEMIC COUNCIL**

Sl. No.	Name and Designation	Period	
		To	From
<b>EX-OFFICIO CHAIRMAN</b>			
1.	Dr.C.Ramasamy, Vice-Chancellor, TNAU, Coimbatore - 641 003.	01.04.2006	31.03.2007
<b>EX-OFFICIO SECRETARY</b>			
2.	Dr. P. Santhana Krishnan Registrar, Tamil Nadu Agricultural University, Coimbatore - 641 003.	11.04.2006	31.03.2007
<b>MEMBERS</b>			
3.	Selvi Leena Nair, I.A.S. Agricultural Production Commissioner & Secretary to Government, Agriculture Department, Secretariat, Chennai - 600 009.	01.04.2006	21.5.2006
	Thiru Surjit K. Chaudhary, I.A.S., Agricultural Production Commissioner & Secretary to Government, Agriculture Department, Secretariat, Chennai - 600 009.	22.05.2006	31.03.2007
4.	Dr.M.Achuthan Nair, Director(Academic & PG studies), Kerala Agricultural University, Vellanikkara, Thrissur - 680 056.	01.04.2006	03.08.2006
	Dr. P.K. Ashokan, Director (Academic), Kerala Agricultural University, Thrissur - 680 656, Kerala.	04.08.2006	31.03.2007



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5.	Dr. K.P. Rama Prasanna, Professor & University Head, Dept. of Seed Science and Technology, College of Agriculture, University of Agricultural Sciences, GKVK, Bangalore - 560 065, Karnataka.	01.04.2006	31.03.2007
6.	Dr.T.N.Balamohan, Professor & Head, Department of Fruit Crops, HC&RI, TNAU, Coimbatore - 641003.	01.04.2006	31.03.2007
7.	Dr.P.Banumathi, Professor & Head, Department of Food Science & Nutrition, AC&RI, Madurai - 625 104.	01.04.2006	31.03.2007
8.	Dr.M.Ramiah Professor & Head, Department of Plant Pathology, TNAU, Coimbatore 641 003.	01.04.2006	29.05.2006
	Dr. P. Venkatachalam, Professor and Head, Dept. of Bio-Energy, AEC&RI, Coimbatore - 641 003.	31.05.2006	31.03.2007
9.	Dr. O.S. Kandasamy, Professor and Head, Dept. of Agronomy, TNAU, Coimbatore - 641 003.	01.04.2006	30.04.2006
	Dr. M. Chandrasekaran, Professor and Head, Dept. of Economics, TNAU, Coimbatore - 641 003.	31.05.2006	31.03.2007
10.	Dr. A.K. Mani, Professor and Head, Dept. of Forest Soils, FC&RI, Mettupalayam - 641 301	31.05.2006	31.03.2007
11.	Dr. G. James Pitchai, Professor and Head, Dept. of Soils and Environment, AC&RI, Madurai - 625 104.	31.05.2006	31.03.2007
12.	Dr.K.Vanangamudi, Dean(Agri) , Agricultural College and Res. Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007
13.	Dr.R.Chandra Babu, Dean(SPGS), TNAU, Coimbatore - 641 003.	01.04.2006	31.03.2007
14.	Dr.D.Veeraragavathatham, Dean(Hort.), Horticultural College and Res. Institute, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007



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15.	Dr.A.Sampathrajan, Dean, Agricultural Engineering College and Research Institute, TNAU, Coimbatore - 641 003.	01.04.2006	31.03.2007
16.	Dr.K.Ramamoorthy, Dean, Agricultural College and Research Institute, Madurai - 625 104.	01.04.2006	31.03.2007
17.	Dr.P.Vivekanandan, Dean, Agricultural College and Research Institute, Killikulam, Vallanadu Post 628 252,Thoothukkudi District.	01.04.2006	31.03.2007
18.	Dr.S.Jebaraj, Dean, Anbil Dharmalingam Agrl. College and Res. Institute, Navalur Kuttapattu, Tiruchirapalli - 620 009.	01.04.2006	31.03.2007
19.	Dr.S.Natarajan, Dean , Horticultural College and Res.Institute, Periyakulam - 625 604.	01.04.2006	31.03.2007
20.	Dr.K.Rangasamy, Dean, Agricultural Engineering College and Res. Institute, Kumalur - 621 712, Viz. Poovalur, Lalgudi Taluk, Triuchirappalli District.	01.04.2006	31.03.2007
21.	Dr.Masina Govinda Rao, I.F.S. Dean(Forestry), Forest College and Research Institute, Mettupalayam - 641 301.	01.04.2006	31.03.2007
22.	Dr.A. Andral, Dean(Home Science) i/c , Home Science College and Res. Instt., AC&RI Campus, Madurai - 625 104.	28.02.2007	31.03.2007
23.	Dr. L. Nadarajan, Dean, Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Nedungadu (Post), Karaikal - 609 603.	01.04.2006	31.03.2007
24.	Dr.R.Durai, Dean, Adhiparasakthi Agricultural College, G.B. Nagar, Kalavai - 632 506, Vellore District.	11.01.2007	31.03.2007
25.	Dr.B.Chandrasekaran, Director of Research, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007



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26.	Dr.P.Balasubramanian, Director, Centre for Plant Molecular Biology and Bio-technology, Coimbatore - 641 003	01.04.2006	31.03.2007
27.	Dr.K.Palanisami, Director (CARDS), Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007
28.	Dr.E.Vadivel, Director of Extension Education, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007
29.	Dr.R.Samiyappan, Director, Centre for Plant Protection Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007
30.	Dr.M.V.Ranghaswami, Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore- 641 003	01.04.2006	31.03.2007
31.	Dr.S.Natarajan, Director, Centre for Soil and Crop Management Studies, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007
32.	Dr.T.S.Raveendran, Director, Centre for Plant Breeding and Genetics, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007
33.	Dr.R.Durai, Director, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	10.01.2007
	Dr.R.Samiyappan, Director i/c, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	11.01.2007	09.02.2007
	Dr. G. Selvaraj, Director, Open and Distance Learning, Tamil Nadu Agricultural University, Coimbatore - 641 003.	10.02.2007	31.03.2007
34.	Dr.M.Thangaraju, Director, Students Welfare, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007

35.	Dr.(Mrs.) R.Balasaraswathi, Director, Planning & Monitoring, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.10.2006
36.	Dr.M.Thangaraju, Director i/c, Planning & Monitoring, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.11.2006	09.02.2007
	Dr. P. Murugesu Boopathy, Director, Planning & Monitoring, Tamil Nadu Agricultural University, Coimbatore - 641 003.	10.02.2007	31.03.2007
	Dr. P. Subbian, Director, Agricultural Business Development, Tamil Nadu Agricultural University, Coimbatore - 641 003.	10.02.2007	31.03.2007
37.	Dr.V.Muralidharan, Director, Tamil Nadu Rice Research Institute, Aduthurai - 612 101, Thanjavur District.	01.04.2006	31.03.2007
38.	Dr.V.Valluvaparidasan, Controller of Examinations, Tamil Nadu Agricultural University, Coimbatore - 641 003.	01.04.2006	31.03.2007

### MEETINGS OF THE ACADEMIC COUNCIL (AC.102)

The Academic Council met once on 27.06.2006 and the following important decisions were taken.

#### 102<sup>ND</sup> ACADEMIC COUNCIL MEETING (27.06.2006)

##### Approved

- Revision of aggregate percentage of marks requirement for admission to U.G. Courses from the academic year 2006-2007.
- Increase of admission strength of U.G. Courses under self supporting courses and self supporting seats in regular courses from the academic year 2006-2007.
- Collection of Development charges from U.G. and P.G. students for the academic year 2006-2007 to meet the expenditure

on educational infrastructure in all campuses.

- Change of medium of instruction from Tamil and English for the Diploma Courses offered in TNAU from the academic year 2006-2007.
- To offer Certificate Courses under Open and Distance Learning Programme.
- Inclusion of B.Sc. in Agricultural marketing and Co-operation (BSc. Ag. Maco.) offered by UAS, Dharwad as eligible qualification for admission to M.Sc. (Agricultural Economics), M.Sc. (Agricultural Extension) and MBA Programme in TNAU.
- To start a new P.G. Diploma Course in Bioinformatics under ODL Programme.
- Revised syllabus for B.Tech.(Agrl. Biotech.) Programme 2006-2007.



- Syllabus for B.Tech. (Bioinformatics).
- The course title, content theory and practical schedule for I and II Semesters of B.Tech. (Hort.) Degree Programme 2006.
- Introduction of External Evaluation System for core courses of Doctoral Programme for the academic year 2006-2007.
- Not to award marks / grade to research work as in the case of other Universities.
- Starting of the following new courses on self supporting basis from the academic year 2006-2007.
  - I) B. Tech. (Bio-informatics) Degree.
  - ii) P.G. Diploma in Capital and Commodity Market and
  - iii) P.G. Diploma in Organic Agriculture
- Starting of Diploma Course in Agriculture at Agricultural Research Station, Bhavanisagar on self supporting basis from 2006-2007.
- Starting of Diploma Course in Agriculture in five Research Stations in Southern Districts of Tamil Nadu.

**Recommended to Board of Management**

- Conferment of degree for 909 candidates at the XXVII Annual Convocation.

**TWENTY-SEVENTH CONVOCATION  
(JUNE 28, 2006)**

The Twenty-seventh Convocation of the Tamil Nadu Agricultural University was held on June 28, 2006 at Convocation Hall, University Campus. His Excellency **Thiru Surjit Singh Barnala**, the Governor of Tamil Nadu and Chancellor of Tamil Nadu Agricultural University

presided. Six hundred and ten candidates took the Degrees IN PERSON in the Convocation Hall and 299 Candidates took the Degree IN ABSENTIA. The details of Candidates (Discipline wise) are furnished below:

SI.No.	Programme	IN PERSON	IN ABSENTIA
01.	Doctor of Philosophy	100	29
02.	Master of Science	169	94
03.	Bachelor of Science (Agriculture)	258	146
04.	Bachelor of Science (Horticulture)	32	14
05.	Bachelor of Science (Forestry)	12	3
06.	Bachelor of Agricultural Engineering	20	3
07.	Bachelor of Technology (FPE)	12	8
08.	Bachelor of Science (Home Science)	7	-
09.	Bachelor of Veterinary Science	-	2
<b>Total</b>		<b>610</b>	<b>299</b>

## ENDOWMENT INSTITUTED DURING XXVII CONVOCATION

CONVOCATION AWARD	
1.	<b>'The President of India Award'</b> for the best Ph.D. student for the best Research work in <b>'Poverty Alleviation'</b>
2.	<b>'Dr.C.Ramasamy award'</b> for best Ph.D Agricultural Economics student for research in <b>'Agricultural Policy'</b>
3.	<b>'Dr. Peter Harsell award'</b> for best research papers published in <b>'Agricultural and Natural Resource Economics'</b> by Students / Young Scientists
TNAU SCIENTISTS' AWARD	
1.	<b>'Dr. S. Palaniappan award'</b> for the best research work in <b>'Soil Fertility management'</b>

## VICE-CHANCELLOR'S TOUR

### INTERACTIVE DISCUSSION / MEETINGS

#### In abroad

As a member of the Indian delegation, participated in the International Exhibition, "Israel Agri Tech 2006" held from May 9<sup>th</sup> to 11<sup>th</sup> 2006 at Israel. Attended the seminar on "Israel India Business Forum". Papers were presented by members of the Indian delegation and Israel. Participated in the discussions with the members of the Agriculture Research Organization, the nodal research unit of the Israeli Ministry of Agriculture responsible for planning, organizing and implementing greater part of Israel's agricultural research efforts. Also visited Revivim, a kibbutz, which is an agricultural station for examining the suitability of various crops to the climate and soil of the desert.

Attended the International Conference on "Poverty Reduction Strategy in the New Millennium: Emerging Issues, Experiences and lessons" at Beijing from May 23-29<sup>th</sup>, 2006 and presented a paper on "Local governance and Public Provision in Tamil Nadu, India". Discussed with various delegates from China, southern Asia, Africa and USA regarding role of local governance in infrastructure development in rural areas and poverty alleviation, especially in rural areas. Also visited villages in Ghanzu province to learn about the developments in rural areas as a result of the poverty reduction programmes implemented by the government.

As a member of the Indian Board, participated in the third meeting of the Board for US-India Knowledge Initiative on Agriculture held at Washington, USA, from 5<sup>th</sup> - 7<sup>th</sup> June, 2006. Discussed the progress made on four focus areas viz., University capacity building, Food processing and marketing, Biotechnology and Water management. Also visited the USDA/ARS/ Beltsville Agricultural Research Center, National Agricultural Library and National Arboretum.

Visited the Laboratory of Plant Bio Trust, South Africa and the Universities of Cape Town, Western Cape, KwaZulu-Natal, Durban University of Technology and the South African Centre for Crop Improvement from 18.2.2007 to 25.2.2007 for discussion with scientists for collaboration in agricultural education and research with TNAU.

Visited Gene bank, National Institute of Agrobiological Sciences, Japan during 12.3.07 to 16.3.07 along with the team of scientists for detailed discussions on various collaborative programmes between TNAU and Genebank, NIAS, Japan.

### ADMINISTRATIVE MEETINGS INTERACTIVE DISCUSSION

#### In India

Inaugurated the Organic Food Produce Retail Outlet at Tanjore on 01.04.2006.



Visited KVK, Needamangalam and Sikkal on 01.04.2006 and had discussions with scientists about various ongoing programmes.

Attended the State Variety Release Committee Meeting at Secretariat, Chennai on 18.04.2006.

Met the Hon'ble Minister for Agriculture at Chennai on 14.05.2006

Visited Agricultural Research Station, Bhavanisagar on 15.6.06 and had discussions with the scientists.

Attended Finance Committee Meeting at Chennai on 20.06.2006.

Met His Excellency the Governor of Tamil Nadu at Raj Bhavan, Chennai on 21.06.2006.

Attended the Flower Growers Meet at Kodaikanal on 21.07.2006 and delivered Keynote address. Ms.Radha Singh, I.A.S., Agriculture Secretary, Government of India was the Chief Guest.

As a member, attended the Project Monitoring Committee meeting of National Agricultural Innovation Project, ICAR, at New Delhi on 25.07.2006 and NAIP Launching Function on 26.07.2006 at New Delhi.

Attended Budget Session on Agriculture meeting at Chennai on 03.08.2006

Attended Biotechnology Meeting organized by Department of Biotechnology, Ministry of Science and Technology, at New Delhi on 04.08.2006.

Interacted with our students during their Village Stay programme at Sathyamangalam and Irrugur on 26.08.2006.

Attended a function at National Agro Foundation, Chennai.

Attended the Silver Jubilee Function of Agricultural Research Station, Thirupathisaram, on 15.09.2006.

Headed the State Level Farmers Day 2006 conducted at KVK Sandhiyur on 27.10.2006. Honourable Minister for Agriculture, Government of Tamil Nadu was the Chief Guest.

Discussed with Agricultural Production Commissioner at Chennai and Tamil Nadu State Council for Science and Technology at Chennai on 8.3.2007

Discussed with Dr.J.P. Mishra, Assistant Director General, Dr.Mruthyunjaya, Director, NAIP and Scientist at NCAP, Delhi on 23.3.2007 and 24.3.2007

**INSPECTION AND REVIEW OF RESEARCH ACTIVITIES**

Date	Station / College
08.07.2006	Tapioca and Caster Research Station, Yethapur
09.07.2006	Horticultural Research Station, Yercaud
24.07.2006	Sugarcane Research Station, Cuddalore and Vegetable Research Station, Palur
09.08.2006	Central Farm, Coimbatore
23.08.2006	Agricultural Research Station, Bhavanisagar
30.08.2006	Regional Research Station, Paiyur
14.09.2006	Educational activities at Agricultural College and Research Institute, Killikulam
16.12.2006	Anbil Dharmalingam Agricultural College and Research Institute, Trichy, National Pulses Research Centre, Vamban
17.12.2006	Soil and Water Management and Research Institute, Thanjavur, Coconut Research Station, Veppankulam and Agricultural Research Station, Pattukottai
21.01.2007	Agricultural College and Research Institute, Madurai
22.01.2007	Horticultural College and Research Institute, Periyakulam



## OTHERS

Inaugurated the Annual day function at Kongu Engineering College, Perundurai on 08.04.2006.

Delivered the valedictory address at the Modified Training of Facilitators FFS-Liveihood improvement in Dryland Agriculture organized by AME Foundation on 30.08.2006 at Hosur.

Delivered the 20<sup>th</sup> Convocation Address at Thiru.Ramakrishna Nallammai Polytechnic, Dharapuram on 12<sup>th</sup> September 2006.

Visited Jatropa fields at Palladam on 11.12.2006

Participated in the Inaugural Function of Schemes implemented through ATMA, organized by Director of Agriculture at Salem on 13.12.2006

Delivered the Keynote Address at the

National Seminar on "Strategies for Agricultural Development in India" organized by the Periyar University, Salem on 14.12.2006

Visited farmers fields at Kottur Malayandipattinam on 31.12.2006

Inaugurated the National Symposium at Central Potato Research Centre, Ooty on 19.01.2007

Attended Convocation at Kongu Arts and Science College, Karur on 2.3.2007

Attended National Level Symposium on Microbial Diversity for Human Welfare Valedictory address at KSR College of Arts and Science, Tiruchengode

Delivered the Convocation address at the Annual Convocation of A.D.M. College for Women, Nagapattinam on 7.3.2007.

## INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION - THIRD REGIONAL MEETING

The Indian Agricultural Universities Association 3<sup>rd</sup> Regional Meeting on "**Value Addition in Agricultural Products**" was organized at Tamil Nadu Agricultural University, Coimbatore on 13<sup>th</sup> and 14<sup>th</sup> February, 2007. The inaugural function was presided over by Dr.M.P.Yadav, President, IAUA. Th. Jatindra Nath Swain, I.A.S., Special Secretary and Commissioner (DPAP), Chennai was the guest of honour and the Vice-Chancellor Tamil Nadu Agricultural University, Dr.C.Ramasamy delivered the special address.

Dr.P.Santhanakrishnan, Registrar welcomed the gathering and Dr.R.P.Singh, Secretary, IAUA proposed the vote of thanks.

The Vice-Chancellors and representatives of Vice-Chancellors of various State Agricultural Universities attended the meeting and participated in the deliberations. The deliberations were made on the above theme in six technical sessions. In addition, general problems faced by the State Agricultural Universities were also discussed.

## AGRICULTURAL SCIENCE CONGRESS

The 8<sup>th</sup> Agricultural Science Congress was organized between 15<sup>th</sup> and 17<sup>th</sup> February, 2007 at Tamil Nadu Agricultural University in collaboration with National Academy of Agricultural Sciences (NAAS), New Delhi. The Theme of the Congress is "**Science for Food, Livelihood Security and Rural Prosperity**". The 8<sup>th</sup> Agricultural Science Congress was inaugurated by His Excellency Shri.Surjit Singh Barnala, the Governor of Tamil Nadu, who emphasized that the Mission-2007 for a hunger free India to eradicate poverty induced endemic hunger needs to be achieved.

Dr.M.S.Swaminathan, President, National Academy of Agricultural Sciences (NAAS), New Delhi and Chairman, MSSRF, Chennai highlighted the major challenges faced by the agricultural scientists and policy makers during his presidential address. The Hon'ble Minister for Rural Industries, Government of Tamil Nadu, Thiru. Pongalur N. Palanisamy and Thiru Surjit K. Chaudhary, Agricultural Production Commissioner and Secretary to Government, Agriculture Department, Chennai also participated in the function. A book on "**Agriculture cannot wait New Horizons in**

**Indian Agriculture**" a policy paper compilation brought out by the Academy was released by His Excellency the Governor of Tamil Nadu Shri. Surjit Singh Barnala.

During the Congress days various issues related to the theme were deliberated in five

sessions by invited scientists from various parts of the country. Prof. M.S. Swaminathan delivered a public lecture on 16.02.2007 on "**Serving Farmers and Saving Farming**" concerned with National Food Production and Security.

## YOUTH AGRICULTURAL SCIENCE CONGRESS

The First Youth Agricultural Science Congress (FYASC) was organized on 15<sup>th</sup> February 2007, as a part of the 8<sup>th</sup> Agricultural Science Congress with a view to encourage involvement of youth in agriculture. The main

focus of the Youth Congress was to sensitize the youth on modern and future technologies and services to improve the farmers' livelihood and motivate them to contribute to rural prosperity.

## SEMINAR ON "ROLE OF PANCHAYAT RAJ INSTITUTIONS"

As a part of the Agriculture Science Congress, a seminar on the "Role of Panchayat Raj Institutions" in implementation of the recommendations of National Commission on Farmers was organized on February 16, 2007. The Seminar was presided over by Prof. M.S. Swaminathan, Chairman, MSSRF, Chennai. Tmt. C.K. Gariyali, IAS, Secretary to Government delivered the key note address. Dr.C. Ramasamy, Vice-Chancellor, TNAU, Dr. B.N.Yugandhar, Member, Planning Commission, Government of India, Thiru. Monoharan, Vice-Chancellor, Gandhigram Rural University and Thiru. Malan,

noted freelance writer offered special address on this occasion.

Totally about 250 panchayat presidents and farmers participated in the seminar. Dr. G. Palanithurai, Professor and Head, Department of Political Science and Development Administration, Gandhigram Rural University and Selvi. R.V. Bhavani, Coordinator MSSRF deliberated the discussion on Role of Panchayat Raj Institutions in implementation of the recommendations of National Commission on Farmers.

## 4<sup>TH</sup> CONVOCATION OF JEMSETJI TATA NATIONAL VIRTUAL ACADEMY FOR RURAL PROSPERITY

The 4<sup>th</sup> Convocation of Jemsetji Tata National Virtual Academy was held at the Convocation Hall of TNAU on February 17, 2007 as part of 8<sup>th</sup> Agricultural Science Congress. The function was organized by M.S. Swaminathan Research Foundation and Co-ordinated by the Directorate of Open and Distance Learning, TNAU, Coimbatore 3

NVA fellows and function of JTS. The convocation address was delivered by Prof. V.N. Rajasekharan Pillai, VC & Chairman, DEC, IGNOU. A special address was given by Tmt. D. Purandareswari, Hon'ble Minister of State for Human Resource Development, Government of India.

Our Vice-Chancellor, Dr. C. Ramasamy, offered the introductory remarks and Prof. M.S. Swaminathan, Chairman, Swaminathan Research Foundation, explained the concept of

Eighty nine fellows (50 men & 39 women) were selected for this convocation from 8 states (Andra Pradesh, Chhattisgarh, Gujarat, Jarkhand, Rajasthan, Maharashtra, Tamil Nadu and Uttar Pradesh).

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**DETAILS OF FOREIGN TRAININGS / CONFERENCES / MEETINGS / SYMPOSIA ATTENDED  
BY TNAU SCIENTISTS**

Sl. No.	Name of the Scientist	Purpose	Duration	
			From	To
1.	Dr.A.Velayutham, Associate Professor, Department of Pulses, Coimbatore	To participate in the Training on "Rice Productions" at IRRI., Philippines	27.03.2006	07.04.2006
2.	Dr.S.Mohankumar, Associate Professor, Department of PMB&B., Coimbatore	To participate in the Fifth National IPM Symposium and Meeting at USA	04.04.2006	09.04.2006
3.	Dr.L.Mahalingam, Associate Professor, CSRC., Ramanathapuram	To participate in the Training Program on "Increasing the Impact of Rice breeding Programs" at IRRI., Philippines	17.04.2006	18.04.2006
4.	Dr.V.Geethalakshmi, Associate Professor, Department of Agri.Meteorology, Coimbatore	To participate in the training program on "Climate Change Impact with reference to water resources and agriculture" at Kyoto, Japan	01.05.2006	31.07.2006
5.	Dr.K.Palanisami, Director CARDS., Coimbatore	To participate in the Second International Assessment of Agl. Sci & Tech. Meeting at Bangkok, Thailand	01.05.2006	15.05.2006
6.	Dr.C.R.Ranganathan, Professor, Department of Physical Sciences and Information Technology, AEC&RI., Coimbatore	To participate in the Second International Assessment of Agri.Science and Technology for Development at Bangkok, Thailand	01.05.2006	15.05.2006
7.	Dr.K.Koodalingam, Professor and Head, SRS., Melalathur	To participate in the 16th International Agritech Exhibition at Israel	07.05,2006	16.05.2006
8.	Dr.D.Veeraragavathatham, Director, Planning and Monitoring TNAU, Coimbatore	To present his research paper in the First International Conference in Beijing, China	21.5.2006	25.5.2006
9.	Dr.C.Karthikeyan, Assistant Professor, Directorate of Planning and Monitoring, TNAU, Coimbatore	To present his research paper in the First International Conference in Beijing, China	21.5.2006	25.5.2006
10.	Dr.S.Krishnaveni, Professor(Biotechnology), Dept.of PMB&B., Coimbatore	To undertake Research on Cloning of novel genes for transformation, embryo rescue techniques at KAU, USA	4 <sup>th</sup> week of May 2006	4 <sup>th</sup> week of Sep. 2006



11.	Dr.K.Uma, Associate Professor, Department of Agricultural and Rural management, Coimbatore	To participate in the International Conference on "Poverty Reduction Strategy in the New Millennium" in Chin	23.05.2006	29.06.2006
12.	Dr.S.D.Sivakumar, Associate Professor, Department of Agricultural and Rural management, Coimbatore	To participate in the International Conference on "Poverty Reduction Strategy in the New Millennium" in China	23.05.2006	29.06.2006
13.	Dr.N.Tamilselvan, Professor, TRRI., Aduthurai	To participate in the ISSCT Agronomy Workshop at Khon Kaen, Thailand	23-05.2006	26.05.2006
14.	Dr.K.K.Kumar, Assistant Professor(Biotech) Department of PMB&B., Coimbatore	To participate in the ABSP-II-DST Training at Cornell University, USA	30.05.2006	28.07.2006
15.	Dr.M.V.Ranghaswami, Director, Water Technology Centre Coimbatore	To attend short term training at McGill University, Canada	01.06.2006	15.07.2006
16.	Dr.A.R.Muthiah, Professor, Directorate of CPBG., Coimbatore	To participate in the First International conference "Intellectual Property and Technology Transfer in Life Sciences" at Trieste, Italy	12.06.2006	14.06.2006
17.	Dr.M.Jawaharlal, Professor and Head, Dept.of Floriculture &Landscaping Coimbatore	To visit and deliver a Lecture in the Annual Seminar organized by the Sri Lanka Fruits & Vegetable Producers Association at Sri Lanka	14.06.2006	17.06.2006
18.	Dr.T.N.Balamohan, Professor and Head, Dept.of Fruit Crops, Coimbatore	To visit and deliver a Lecture in the Annual Seminar organized by the Sri Lanka Fruits & Vegetable Producers Association at Sri Lanka	14.06.2006	17.06.2006
19.	Dr.M.Kannan, Professor and Head, Regional Research Station, Paiyur	To visit Sri Lanka and deliver Lecture in the Annual Seminar organized by the Sri Lanka Fruits & Vegetable Producers Association at Sri Lanka	14.06.2006	17.06.2006
20.	Dr.A.Lakshmanan, Associate Professor, Department of Environmental Sciences, Coimbatore	To participate and deliver lecture in the Training Program on "Microbial Technologies in Plant Nutrition", TWINTEACH, Malaysia	24.06.2006	30.06.2006



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21.	Dr.D.Suresh Kumar, Associate Professor(Agrl.Eco), Department of Agrl.Economics, Coimbatore	To present his Research Project in the 12 <sup>th</sup> Biannual Institute of Technology Conference Centre, Thailand	26.06.2006	01.07.2006
22.	Dr.K.Palanisami, Director, CARDS., TNAU, Coimbatore	To participate in the Tsunami Review Project Meeting at RIHN, Kyoto, Japan	03.07.2006	07.07.2006
23.	Dr.A.Senthil, Assistant Professor (Crop Phy), Department of PMB&B., Coimbatore	To participate in the training course on "Phenotyping" at INRA-Agro M Campus of Montpellier, France	03.7.2006	12.07.2006
24.	Dr.D.Suresh Kumar, Associate Professor, Department of Agrl.Economics, Coimbatore	To participate in the Third World Congress of Environmental and Resource Economics at Kyoto, Japan	03.07.2006	07.07.2006
25.	Dr.P.Santhana Krishnan, Registrar, TNAU, Coimbatore	To visit McGill University, Canada as a short term visitor in connection with the PHT and Food Processing	Two weeks in July, 2006	
26.	Dr.A.Sampathrajan, Dean, AEC&RI., Coimbatore	To attend short term training on "Consolidated Food Security in South India" at Canada	Two weeks in July, 2006	
27.	Dr.N.Maragatham, Associate Professor, Department of Forage Crops, Coimbatore	To participate in the 18 <sup>th</sup> World Congress of Soil Science at USA	09.07.2006	15.07.2006
28.	Dr.D.Selvi, Associate Professor, Dept.of SS&AC., Coimbatore	To present her research papers in the 18 <sup>th</sup> World Congress of Soil Science, USA	09.07.2006	15.07.2006
29.	Dr.S.Thiyageshwari, Assistant Professor, Department of SS&AC., Coimbatore	To present her research papers in the 18 <sup>th</sup> World Congress of Soil Science, USA	09.07.2006	15.07.2006
30.	Dr.P.Murugesu Boopathi, Professor, Department of SS&AC., Coimbatore	To present his research papers in the 18 <sup>th</sup> World Congress of Soil Science, USA	09.07.2006	15.07.2006
31.	Dr.R.K.Kaleeswari Associate Professor, Department of Agronomy, Coimbatore	To present her research papers in the 18 <sup>th</sup> World Congress of Soil Science, USA	09.07.2006	15.07.2006



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32.	Dr.P.Malarvizhi, Professor, Department of SS&AC., Coimbatore,	To present her research papers in the 18 <sup>th</sup> World Congress of Soil Science, USA	09.07.2006	15.07.2006
33.	Dr.R.Natesan, Professor, Department of SS&AC., Coimbatore	To present his research papers in the 18 <sup>th</sup> World Congress of Soil Science, USA	09.07.2006	15.07.2006
34.	Dr.K.Mahendran, Associate Professor, Department of Agricultural & Rural Management, Coimbatore	To participate in the Training on "Agri and Food Industry Management Program- Accessing Global Markets" at Cornell University, Ithaca, New York	16.07.2006	21.07.2006
35.	Dr.K.N.Selvaraj, Professor, Department of Agrl. Economics, Coimbatore	To attend IRRI-Training Workshop on "Concepts and Tools for Agrl.Research Evaluation and Impact Assessment" at IRRI, Philippines	24.07.2006	04.08.2006
36.	Dr.V.Gomathi, Associate Professor, Department of Agrl.Microbiology, Coimbatore	To participate in the XV Congress of the International Union for the Study of Social Insects at Washington, DC and to visit Virginia Tech, College of Agriculture, Virginia	30.07.2006 (On duty )  6.08.2006 (On leave )	5.08.2006  24.08.2006
37.	Dr.M.Jawaharlal, Professor and Head, Dept.of Floriculture and Landscaping, HC&RI., Coimbatore	To visit Sri lanka in connection with the formation of IFCO India tie-up Program	02.08.2006	06.08.2006
38.	Dr.R.Visvanathan, Professor, Dept. of Food Agrl. Process Engg. AEC&RI., Coimbatore	To attend the Eighth Annual Synergy in Development Conference in Washington, DC, USA	09.08 2006	11.08.2006
39.	Dr.C.Sekhar, Professor, Dept.of Agrl.and Rural Management Coimbatore	To participate in the Executive Development Program on "Food and Agri Business Management Program" at Cornell University, New York	10.08.2006	18.08.2006
40.	Dr.K.Palanisami, Director, CARDS., Coimbatore	To participate in the 3 <sup>rd</sup> Meeting of Task Force on Inter Basin Water Transfers at Kuala Lumpur, Malaysia	12.08.2006	17.08.2006
41.	Dr.V.K.Parthiban, Associate Professor,	To participate and present his research paper in the	13.08.2006	19.08.2006



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	Post Harvest Technology, AEC&RI., Coimbatore	27 <sup>th</sup> International Horticultural Conference in Seoul, Korea		
42.	Dr.M.Chandrasekaran, Professor and Head, Dept.of Agrl. Economics, Coimbatore	To participate and present paper in the National Agri Business Forum at Colombo, Sri Lanka	25.08.2006	27.08.2006
43.	Dr.I.Muthuchamy, Professor, Dept.of Soil and Water Conservation, AEC&RI., Coimbatore	To participate and present his research paper in the International Seminar-Workshop on Integrated Water Resources Management at the University of Philippines, Philippines	04.09.2006	08.09.2006
44.	Dr.V.Muraliharan, Director, TRRI., Aduthurai	To present his research paper in the 1 <sup>st</sup> International Symposium on "Sunflower Industrial Uses" at Udine, Italy	11.09.2006	13.09.2006
45.	Dr.V.Kumar, Associate Professor, Dept.of Agronomy, AC&RI., Madurai	To participate and present his research paper in the 7 <sup>th</sup> International Micro Irrigation Congress in Kuala Lumpur, Malaysia	13.09.2006	15.09.2006
46.	Dr.A.Balasubramanian, Assistant Professor, FC&RI., Mettupalayam	To participate in the Training Program on "Biodiversity Assessment and Monitoring Course" in the Conservation and Research Center, Virginia, USA	17.09.2006	09.10.2006
47.	Dr.G. Gopalaswamy, Professor, Dept.of Agrl. Microbiology, AC&RI., Madurai	To participate and present his research paper in 6 <sup>th</sup> Asia Pacific Conference on Algal Biotechnology in Los Banos, Philippines	12.10.2006	15.10.2006
48.	Dr.A.Veeramani, Assistant Professor, Dept.of Soil Crops, AC & RI., Killikulam	To participate and present his research paper in the International Conference at Hebrew University of Jerusalem, Israel	15.10.2006	20.10.2006
49.	Dr.K.R.Ashok, Professor, Dept. of Agrl. Economics, Coimbatore	To attend a Student Co-Ordinator of "International Agrl. and Rural Development" course at USA	22.10.2006	05.11.2006
50.	Dr.C.Karthikeyan, Assistant Professor, DPM, TNAU, Coimbatore	To undertake the residency program on the project "Indigenous Dryland Agriculture Technologies in South India" at Italy	27.10.2006	17.11.2006



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51.	Dr.R.Durai, Director, Open and Distance Learning, Coimbatore	To participate in the Fourth Pan-Commonwealth Forum of Open Learning at Ocho Rios, Jamaica	30.10.2006	03.11.2006
52.	Dr.M.Jawaharlal, Professor and Head, Dept. of Floriculture and Landscaping, Coimbatore	To participate in the International Horti Fair-2006 at Amsterdam and visit to Netherlands	31.10.2006	08.11.2006
53.	Dr. R. Velazhahan, Professor, Dept.of Plant Pathology, Coimbatore	To participate and present his research paper in the International conference on Groundnut Aflatoxin and Genomics at China	05.11.2006	09.11.2006
54.	Dr. K. Palanisami Director, Coimbatore	To participate in the RIHN Project Review Meeting and the International Symposium on "Water and Better Human Life" at Kyoto, Japan	06.11.2006	08.11.2006
55.	Dr.C.R.Ranganathan, Professor of Mathematics, Dept.of Physical Sciences an Information of Technology, AEC&RI., Coimbatore	To participate in the Third IAASTD Global Authors' Meeting in San Jose, Costa Rica, USA	6.11.2006	10.11.2006
56.	Dr.P.Sivasubramanian, Professor, O/o the Dean, AC&RI., Coimbatore	To participate and present his research paper in the International Neem Conference-2006 at Kunming, China	11.11.2006	15.11.2006
57.	Dr.S.Raguraman, Professor, CRS, Veppankulam	To participate in the International Neem Conference-2006 in Kunming, China	12.11.2006	15.11.2006
58.	Dr.G.Hemalatha, Associate Professor, Dept.of Food Science and Nutrition, HSC&RI., Madurai	To participate and present her research paper in the 18 <sup>th</sup> Annual Congress of the PGIA, at Sri Lanka	16.11.2006	17.11.2006
59.	Dr.M.R.Backiyavathy, Assistant Professor, Department of Forage Crops, Coimbatore	To participate n the IRRI leadership Course for Asian Women in Agriculture R&D at IRRI, Phillippines	27.11.2006	08.12.2006
60.	Dr.M.V.Ranghaswami, Director, WTC., Coimbatore	To participate and present his research paper in the Fourth International Symposium on Southeast Asian Water Environment at AIT., Bangkok, Thailand	06.12.2006	08.12.2006
61.	Dr.A.K.Mani, Professor and Head, Dept.of Forest Soils,	To participate and present research paper in the International Forestry and	22.12.2006	23.12.2006



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	FC&RI., Mettupalayam	Environment Symposium-2006 at Sri Lanka		
62.	Dr.R.Santhi, Professor(SS&AC) Dept.of Forest Soils, FC&RI., Mettupalayam	To participate and present research paper in the International Forestry and Environment Symposium-2006 at Sri Lanka	22.12.2006	23.12.2006
63.	Dr.M.P.Divya, Associate Professor (Forestry), Dept. of Forestry, FC&RI., Mettupalayam	To participate and present research paper in the International Forestry and Environment Symposium-2006 at Sri Lanka	22.12.2006	23.12.2006
64.	Dr.K.Kumaran, Associate Professor (Forestry) Dept.of Tree Breeding, FC&RI., Mettupalayam	To participate and present research paper in the International Forestry and Environment Symposium-2006 at Sri Lanka	22.12.2006	23.12.2006
65.	Dr.D.Suresh Kumar, Assoc.Professor, Dept.of Agrl. Economics, Coimbatore	To participate in the 8 <sup>th</sup> Annual global Development Conference at Beijing, China	14.01.2007	18.01.2007
66.	Dr.R.Jagannathan, Professor and Head, Dept.of Agrl.Meteorology, Coimbatore	To participate in the Workshop on "Third International Verification Methods" at UK Hosted by ECMWF	29.01.2007	10.02.2007
67.	Dr.P.Balasubramanian, Director, CPMB, Coimbatore	To participate in the Global Brain Storming Meeting on Cassava Mosaic Disease Management at USA a Visit to Monsanto Ltd., St.Louis, USA	30.01.2007	01.02.2007
68.	Dr.J.R.Kannan Bapu, Professor(PB&G), Directorate of CPBG., Coimbatore	To participate and present his research paper in the 2 <sup>nd</sup> International Conference on Plant Molecular Breeding at Sanya, Hainan, China	23.03.2007	27.03.2007





### 3. EDUCATION

#### 3.1. POST GRADUATE EDUCATION

##### A. Students' enrollment

##### 1. Masters programme

Sl. No.	Campus	Department	No. of Candidates Passed out	Total No. of students enrolled	No. of students enrolled under self Supporting programme	
		<b>i. Agriculture</b>				
I.	AC&RI, Coimbatore	Agrl. Economics	6	12	-	
		Agrl. Entomology	11	18	6	
		Agrl. Extension	9	7	-	
		Agrl. Meteorology	5	3		
		Agrl. Microbiology	7	10	2	
		Agronomy	9	12	1	
		Biotechnology	14	34	18	
		MBA	23	30	20	
		Crop Physiology	3	5	-	
		Envi. Sciences	12	10	2	
		Plant Breeding & Genetics	15	18	4	
		Plant Nematology	4	4	-	
		Plant Pathology	8	16	1	
		Seed Science & Technology 8	9	2		
		Soil Science & Agrl. Chemistry	7	8	-	
		Biochemical Technology	6			
		Bioinformatics	9	5	5	
		Microbial Technology	0	13	13	
		Sericulture	2	5	1	
		<b>Total</b>		<b>158</b>	<b>219</b>	<b>7</b>
				<b>ii. Horticulture</b>		
		Floriculture & Medicinal Crops	8	13	3	
		Fruit Science	6	9	-	

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		Spices & Plantation Crops	3	8	-
		Vegetable Science	8	9	1
		<b>Total</b>	<b>25</b>	<b>39</b>	<b>4</b>
		<b>iii. Agrl. Engineering</b>			
		Bio Energy	3	3	-
		Farm Power & Machinery	2	2	-
		Agrl. Processing	7	9	-
		Soil & Water Conservation	3	2	-
		<b>Total</b>	<b>15</b>	<b>16</b>	<b>-</b>
II.	AC&RI, Madurai	<b>i. Agriculture</b>			
		Agrl. Economics	5	4	
		Agrl. Entomology	8	4	-
		Agrl. Extension	0	4	
		Agrl. Microbiology	0	5	
		Agronomy 6	6	-	
		Plant Breeding & Genetics	9	5	-
		Soil Science &			
		Agrl. Chemistry	7	5	-
		Plant Pathology	4		
		<b>Total</b>	<b>39</b>	<b>33</b>	<b>-</b>
III.	HSC & RI, Madurai	<b>Food Science &amp; Nutrition</b>	<b>6</b>	<b>6</b>	<b>-</b>
IV	FC&RI, Mettupalayam	<b>Forestry</b>	<b>8</b>	<b>9</b>	<b>-</b>
		<b>Total</b>	<b>14</b>	<b>15</b>	<b>-</b>
		<b>GRAND TOTAL</b>	<b>244</b>	<b>322</b>	<b>79</b>

## 2. Doctoral programme

Sl. No.	Campus	Department	No. of Candidates Passed out	Total No. of students enrolled
i.	AC&RI, Coimbatore	<b>i. Agriculture</b>		
		Agrl. Economics	3	5
		Agrl. Entomology	1	3



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		Agrl. Extension	5	5
		Agrl. Microbiology	2	4
		Agronomy	4	4
		Biotechnology	5	6
		Crop Physiology	3	1
		Envi. Sciences	3	4
		Plant Breeding & Genetics	2	6
		Plant Nematology	-	1
		Plant Pathology	3	3
		Seed Science & Technology	1	2
		Soil Science & Agrl. Chemistry	4	3
		<b>Total</b>	<b>36</b>	<b>47</b>
		<b>ii. Horticulture</b>		
		Floriculture & Medicinal Crops		6
		Fruit Science	7	4
		Spices & Plantation Crops		3
		Vegetable Science		3
		<b>Total</b>	<b>7</b>	<b>16</b>
		<b>iii. Agrl. Engineering</b>		
		Bio Energy		
		Farm Power & Machinery	-	1
		Agrl. Processing	3	4
		Soil & Water Conservation	5	7
		<b>Total</b>	<b>8</b>	<b>13</b>
II.	AC&RI, Madurai	<b>i. Agriculture</b>		
		Agrl. Entomology	2	2
		Agronomy	2	2
		Plant Breeding & Genetics	4	3
		Plant Pathology	1	2
		Seed Science & Technology	1	-
		6. Soil Science & Agrl. Chemistry	2	2
		<b>ii. Horticulture</b>	<b>1</b>	<b>-</b>
		<b>Total</b>	<b>13</b>	<b>11</b>
III.	HSC & RI, Madurai	<b>Food Science &amp; Nutrition</b>	<b>5</b>	<b>4</b>
IV	FC&RI, Mettupalayam	<b>Forestry</b>	<b>1</b>	<b>2</b>
<b>GRAND TOTAL</b>			<b>70</b>	<b>93</b>

### 3. PG Diploma programme

Sl. No.	Campus	Department	No. of Candidates Passed out	Total No. of students enrolled	No. of students enrolled under self Supporting programme
<b>I. AC&amp;RI, Coimbatore</b>					
		Capital and Commodity markets	-	-	3
		Organic agriculture	-	-	1

### 4.Details of Foreign students admitted for Doctoral programme

Sl. No.	Department	Country	No. of students admitted
1.	Agri. Economics	Sri Lankan	1
2.	Agri. Economics	Ethiopia	1
3.	Agri. Entomology	Ethiopia	1
4.	Soil & Water Conservation	Ethiopia	1
<b>Total</b>			<b>4</b>

### B. Scholarship disbursement

#### Scholarship distributed to PG students (2006 - 07)

Sl.No.	Name of the scholarship	No. of students	Amount in Rs.
1.	ICAR	86	36,80,106
2.	CSIR	14	15,34,654
3.	UGC	5	3,72,733
4.	ICCR	3	202947
5.	SC/ST Post Metric	44	355910
6.	SC/ST Higher Education Special Loan	59	2,87,000
7.	Univ. of PUNE	3	2,14,394
8.	BC Scholarship	133	1,15,985
9.	MBC	51	53,845
10.	Govt. of Kerala	1	68,200
11.	DNC	4	10,915
12.	ONGC	1	36,000
13.	Ghisaddin Babukhan Trust	1	7,630

14.	TKS Foundation	3	5,000
15.	Indira Gandhi Single Child	4	1,44,000
16.	IOCL	2	48,000
17.	TNAU Merit	2	2,00,000
18.	TNAU Research Assistantship	15	2,25,000
19.	Periyar Endowment	28	1,40,000
20.	KIADEF	4	80,000
<b>TOTAL</b>			<b>77,82,319</b>

## C. Important activities in PG education

### i. Admission 2006-07

The admission for masters and Ph.D. programmes were commenced on 27.7.06 and 17.8.06 respectively.

Seats for both M.Sc. (Ag.) and Ph.D courses have been increased marginally to meet the increased demand.

Degree prog.	2005-06						2006-07					
	No. of applns. received	Regular	SS**	JNU	ICAR	Total	No. of applns. received	Regular	SS**	JNU	ICAR	Total
M.Sc.	680	176	66	12	25	279	714	200	80	12	29	321
Ph.D.	164	81	-	-	-	81	173	95	-	-	-	95
<b>Total</b>	<b>844</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>360</b>	<b>887</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>416</b>

\*\* - Self supporting

JNU - Jawaharlal Nehru University Fellowship students

ICAR - Indian Council of Agricultural Research Fellowship students

University of Southern Australia and University of Adelaide.

Ph.D students' research in International institutes:

- o University of Italy
- o IRRI, Philippines
- o Israel
- o National institutes:
  - o Defence Research Laboratory, New Delhi
  - o National Remote Sensing Agency, Hyderabad

### ii. New Courses Introduced

- Two PG diploma courses introduced
  - (i) Capital and commodity markets
  - (ii) Organic agriculture

### iii. Students Exchange Programme

Under the Cornell University and TNAU International Agriculture (INTAG) course, seven PG students had two week study in Cornell University, USA.

A MoA has been signed between TNAU and Virginia Polytechnic and State University, USA for students' exchange.

Similar programs are being finalized with

MoUs have been signed with Indian Institute of Spices Research, Calicut; Indian Institute of Horticultural Research, Bangalore and ICAR Research Complex for Goa for taking up doctoral research by scientists of the above institutes in TNAU.

#### iv. Faculty Development Training

Faculty development programme in Education Technology and Research Project Management was organized in

collaboration with NAARM, Hyderabad for 30 scientists of TNAU.

#### v. Special lectures

Endowment title	Lecture title	Date	Delivered by
Arutselvar Dr. N. Mahalingam Muthu Vizha Endowment lecture	Enzyme and microbial biotechnology in process industries, Bioremediation and Biosensors	24.4.06	Dr. S. F. D' Sousa Associate Director, BARC, Mumbai
Special lecture	Organic Agriculture	16.6.06	Dr. R. V. BISOYI Regional Director National Research Centre for Organic Agriculture, Ministry of Agriculture GOI, Orissa
Dr. G. Rangaswami Endowment Lecture	Rhizobium legume symbioses: Molecular signals elaborated by rhizobia that are important for nodulation	27.9.06	Dr. Hari B. Krishnan Molecular Biologist, University of Missouri, Columbia, USA
Special lecture	Agro meteorological services to farmers	13.11.06	Dr. Kees Stigter Wageningen University, The Netherlands

#### vi. PG Teaching

New guidelines for PG teaching have been developed for improving the quality of teaching faculty and communication skills of students.

PG students were permitted to visit Nagpur, Pune, Jalgaon, Nasik, Chennai and Shillong for practical classes /workshop and also to various institutes/research stations within the State.

#### vii. PG Examination

External evaluation has been introduced for core courses in Ph.D., programme from this academic year (2006-07).

Students presented papers in conferences in Brisbane, Australia and South Korea.

#### viii. Other Highlights

Seventeen foreign students are undergoing PG studies in TNAU.

Ten Junior/Senior student research fellowships were given to PG students in research schemes.





## 3.2. UNDER GRADUATE EDUCATION

### AGRICULTURAL COLLEGE AND RESEARCH INSTITUTE, COIMBATORE

#### 1. Students' admission, degreewise

Sl. No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	B.Sc.(Agri.)	9	6	19	5	107	203	135	214
2.	B.Sc.(Horticulture), Periyakulam	-	-	3	1	40	20	43	21
3.	B.Sc.(Forestry), Mettupalayam	-	-	2	-	20	7	22	7
4.	B.Tech.(Agrl. Engg.) Kumulur	-	-	2	-	30	17	32	17
5.	B.Sc.(Home Science), Madurai	-	-	-	-	22	10	22	10
6.	B.Tech.(Agrl.Biotech.), Coimbatore	-	-	-	-	23	37	23	37
7.	B.Tech.(Horticulture), Coimbatore	-	-	-	-	6	18	6	18
8.	B.Tech(Bioinformatic), Coimbatore	-	-	-	-	18	16	18	16
9.	B.Tech.(FPE), Coimbatore	-	-	-	-	7	12	7	12
10.	B.Tech.(EEE), Coimbatore	-	-	-	-	11	12	11	12

#### 2. Students' admission, quota wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	1	2	3	2	0	2	3	2	5
2.	BC	4	18	22	3	2	5	7	20	27
3.	MBC	5	12	17	1	0	1	6	12	18
4.	ST	1	1	2	-	-	-	1	1	2
5.	SC	9	13	22	3	4	7	12	17	29
6.	ICAR Quota	5	1	6	-	-	-	5	1	6
7.	Others	3	4	7	-	-	-	3	4	7
<b>Total</b>		<b>28</b>	<b>51</b>	<b>79</b>	<b>9</b>	<b>6</b>	<b>15</b>	<b>37</b>	<b>57</b>	<b>94</b>

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## Campus wise admission

### B.Sc. (Agriculture)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Coimbatore	9	6	7	1	13	60	29	67
2.	Madurai	-	-	5	2	37	57	42	59
3.	Trichy	-	-	5	-	26	37	31	37
4.	Killikulam	-	-	2	2	31	49	33	51

### B.Sc. (Horticulture)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Periyakulam	-	-	3	1	40	20	43	21

### B.Sc. (Forestry)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Mettupalayam	-	-	2	-	20	7	22	7

### B.Tech. (Agrl. Engg.)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Kumalur	-	-	2	-	30	17	32	17

### B.Sc. (Home Science)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Madurai	-	-	-	-	22	10	22	10

### B.Tech. (Agrl. Biotech.)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Coimbatore	-	-	-	-	23	37	23	37



### B.Tech. (Horticulture)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Coimbatore	-	-	-	-	6	18	6	18

### B.Tech. (Bioinformatics)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Coimbatore	-	-	-	-	18	16	18	16

### B.Tech.(EEE)

Sl.No.	Campus	Self supporting		ICAR		General		Total	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Coimbatore	-	-	-	-	11	12	11	12

### 3. Students' strength

#### B.Sc. (Agriculture)

Sl.No.	Years	Admitted students numbers		
		Boys	Girls	Total
1.	I Year	38	51	89
2.	II Year	45	50	95
3.	III Year	29	55	84
4.	IV Year	64	49	113
<b>Total</b>		<b>176</b>	<b>205</b>	<b>381</b>

#### B.Tech.(Agrl. Biotech.)

Sl.No.	Years	Admitted students numbers		
		Boys	Girls	Total
1.	I Year	23	32	55
2.	II Year	21	14	35
3.	III Year	24	12	36
4.	IV Year	11	7	18
<b>Total</b>		<b>79</b>	<b>65</b>	<b>144</b>

#### B.Tech.(Bioinformatics)

Sl.No.	Years	Admitted students numbers		
		Boys	Girls	Total
1.	I Year	18	15	33
<b>Total</b>		<b>18</b>	<b>15</b>	<b>33</b>

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#### 4. Details of scholarships availed by students

Sl.No.	Scholarship details	Scholarship amount Rs. / year	Total Number of students
1.	SC / ST Scholarship	9770	43
2.	MBC First Graduate	7410	71

5. ICAR - JRF (successful candidate) : Nil

6. Education awards / medals / prizes : Nil

7. Study tour :

#### B. Sc.(Agriculture)

Sl. No.	Tours	Years	Places	Yearwise	Number of students
1.	All India Study Tour [25.09.2006to 13.10.206]	2006 2007 below)	* (see Batch	2003-2004	119

\* ICRIAT, CRIDA, NAARM, MANAGE, DRR, NPPTI & EEI, Hyderabad; Jain Irrigations, Jalgaon.IARI,

New Delhi; Remote sensing Institute, Forest College & Research Institute, Dehradun; PAU, Ludhiana.

#### B.Tech.(Agrl. Biotech.)

Sl. No.	Tours	Years	Places	Yearwise	Number of students
1.	All India Study Tour [24.09.06 to 10.10.06]	IV <sup>th</sup> Year	*	2003-2004 batch	17

\* National chemical Laboratory (NCL), Pune., National Centre for Cell Sciences (NCCS), Pune. Baba Atomic Research Centre (BARC), TATA Institute of Fundamental Research (TIFR), Mumbai. Indian Agricultural Research Institute (IARI), National Bureau of Plant Genetic Resources (NBPGR).Biotech part at Sitapura, Jaipur. Vatika

Biotech, Agra. International Centre for Genetic Engineering and Biotechnology (ICGEB), Jawaharlal Nehru University (JNU), New Delhi , National Botanical Research Institute (NBRI), Central Institute of Medicinal and Aromatic Plants (CIMAP), Central Drug Research Institute (CDRI)

#### B.Tech.(Agrl. Biotech.)

Sl. No.	Tours	Years	Places	Yearwise	Number of students
1.	Biotechnology Work experience [12.06.06 to 10.08.06]	IV year	*	2003-2004 batch	17

\* Indo-American Hybrid Seeds(India) Pvt. Ltd., Bangalore; M.S.Swaminathan Research .oundation, Chennai; Meta Helix Life Sciences Pvt. Ltd.,

Bangalore; Sami Labs Limited, Bangalore; Rasi Seeds (P) Ltd., Attur; Maharashtra Hybrid Seeds Company (Mahyco), Jalna.



8. Campus interview & placement : -
9. Successful candidates in UPSC exam : -
10. Sports / games and prizes won :

S. No	Participation Sports / games	Organizer	Place and Date	Results
1.	CICCA	TNAU, Coimbatore	Play TNAU ground September 2006	Women Basket ball Runner up Table Tennis Runner up Men Tennis Runner up
2.	Annual sports meet	TNAU, Coimbatore	TNAU play ground	Individual Championship H.Mohana & S.Gowthami (women) B.Sivachandran & A.Vaitheeswaran Overall Championship Games IV UG (Men) & III UG (Women) Athletics PG (Men) & III UG Women
3.	TNAU Inter collegiate Tournaments & Sports	TNAU, Coimbatore	TNAU, CBE 28.1.07-3.2.07	Overall championships for games was by AC & RI,
4.	8th All India Agri games and sports meet	PAU, Ludiana, 23rd to 26th February 2007		Overall runner up in Athletics and overall runner up in games Split up 1.Tennis men Winners 2.Valleyball (men) Runners 3.High jump men I & III place 4. High jump women III place 5. 4 x 100 mts relay III places

#### 11. Students' functions

S. No	Date	Function Name
1.	10.10.2006	Interactive meeting with I year
2.	03.11.2006	Avoiding plastic misuse rally
3.	07.08.2006	Learners License Mela
4.	28.02.2007	Athletics meet for Disabled children
5.	28.1.2007 to 2.2.2007	TNAU ICT
6.	9.1.2007 to 10.1.2007	Muthamizh Vizha 2007



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**1. Students' admission, degree wise**

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc.(Ag.)	40	56	96	-	-	-	40	56	96

**2. Students' admission, quota wise**

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	1	1	-	-	-	-	1	1
2.	BC	19	26	45	-	-	-	19	26	45
3.	MBC	1	16	17	-	-	-	1	16	17
4.	ST	-	-	-	-	-	-	-	-	-
5.	SC	16	8	24	-	-	-	16	8	24
6.	ICAR Quota	4	5	9	-	-	-	4	5	9
7.	Other Quota	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>40</b>	<b>56</b>	<b>96</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>40</b>	<b>56</b>	<b>96</b>

**3. Students' strength**

S.No.	Years	students Studied		
		Boys	Girls	Total
1	I Year	40	56	96
2	II Year	54	42	96
3	III Year	43	47	90
4	IV Year	52	41	93
<b>Total</b>		<b>189</b>	<b>186</b>	<b>375</b>



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#### 4. Details of scholarship availed by Students

S.No.	Particulars	Year	No.of students availed	Amount (Rs.)
<b>i. TNAU Merit Scholarship</b>				
	Under Graduate	I B.Sc.(Ag.)	4	4,000
		II B.Sc.(Ag.)	4	4,000
		III B.Sc.(Ag.)	4	4,000
		IV B.Sc.(Ag.)	3	3,000
	Post Graduate	I M.Sc.(Ag.)	2	20,000
		II M.Sc.(Ag.)	1	10,000
	Ph.D.	II Ph.D.	1	15,000
<b>ii. Aspee Foundation Research Fellowship</b>				
	Post Graduate	III Ph.D.	1	7,200
<b>iii. National Merit Scholarship</b>				
	Under Graduate	II & IV B.Sc.(Ag.)	2	9,600
<b>iv. ICAR Fellowship</b>				
	Under Graduate	I B.Sc.(Ag.)	9	90,000
		III B.Sc.(Ag.)	8	78,549
		IV B.Sc.(Ag.)	2	19,200
	Post Graduate	II M.Sc.(Ag.)	2	1,39,632
<b>v. BSA CSIR Fellowship</b>				
	Ph.D.	III Ph.D.	2	2,73,783
<b>vi. UGC Fellowship</b>				
	Ph.D.	III Ph.D.	1	1,14,480
<b>vii. KIADEF Scholarship</b>				
	Post Graduate	II M.Sc.(Ag.)	1	19,419
viii.	Adi-Dravidar Welfare Scholarship	-	78	8,96,330
ix.	Adi-Dravidar Special Loan Scholarship	-	62	4,27,000
x.	Prize Money Scholarship		5	25,000
xi.	Chief Minister Award SC/ST		8	12,000
xii.	BC & MBC Scholarship		190	7,85,315

Xiii.	Fee Concession to SC/ST students			
Under Graduate	I B.Sc.(Ag.)	23	44,550	
	II B.Sc.(Ag.)	9	16,200	
	III B.Sc.(Ag.)	16	17,200	
	IV B.Sc.(Ag.)	26	25,480	
Post Graduate	I M.Sc.(Ag.)	15	34,800	
	II M.Sc.(Ag.)	14	29,160	
Ph.D.	III Ph.D.	6	11,760	
xiv.	Free Education to the students from families without graduate			
Under Graduate	2002-2003 batch	2	99,254	
	2003-2004 batch	2	79,760	
	2004-2005 batch	1	26,918	
	<b>Total</b>	<b>504</b>	<b>33,42,590</b>	

#### 5. ICAR-JRF - Successful candidates : -

#### 6. Awards / Medals / Prizes received by students

S. No.	Name of the Prize / Medal	Batch	Name of the Winner
1.	The Pioneer Endowment Prize	I Year Medal 2005 batch	J.Bhuvanewary
2.	The John Plough Works, Melur Prize	II Year Medal 2004 batch	R.Rajapriyaa
3.	MASU Prize	III Year Medal 2003 batch	V.Vishakumari
4.	Dr. A. Mariakulandai Medal	Best Out going student 2003 batch	P.Gayathiri
5.	Prof. K. R. Nagarajan Prize	Entomology Courses 2003 batch	G.Santhosh kumar
6.	Jaideep Kumar Janarthanan Memorial Prize for budding Entomologist	Entomology Courses 2002 batch	Divya balakrishnan
7.	Thiru. W. P. A. R. Nagarajan Award	Soil Science Courses- 2002 batch	M.Yasmin Rani
8.	Dr. K. Sivaprakasam Endowment Award	Plant Pathology Courses 2002 batch	Bhabesh dutta
9.	Thiru. M. S. N. Pandia Nadar Award	Agronomy Courses 2002 batch	K.Unnamalai
10.	I.A.U. Endowment Award	OGPA in all practical oriented courses 2002 batch	J.C.Nithya



11.	NOCOSASI Award	Best our students of B.Sc.(Ag.) 2002 batch	Divya balakrishnan
12.	Dr.P.RANGASAMY, Gold Medal	Highest Marks in Plant Breeding and Agrl. Botany 2002 batch	Divya balakrishnan

### 7. Study tour

S.No	Nature of Tour	Period	Places Visited	Batch	Number of Students
1	All India Study Tour	23.9.06 to 10.10.06	*	One	93

ICRISAT, NAARM, CRIDA, DRR and EEI, Hyderabad ; Indian Remote Sensing Institute and Indian Forest Research Institute, Dehradun ; Punjab Agricultural University,

Ludhiana ; IARI, New Delhi ; Jain Irrigation, Julgan ; Dryland Agri-Research Institute, Durgapura, Rajasthan

### 8. Campus interview and placement

S.No	Agencies	Interview Date	Number Selected
1.	DUPONT -	3	
2.	Canara Bank -	3	
3.	EID Parry -	4	
4.	BASF -	6	
5.	M/s. Jayaram Bioscience	-	4
6.	Godrej -	1	
7.	Soil Survey and Land Use Organization	-	4
8.	KARVY Centre	-	5
9.	IWDP Scheme	-	3
10.	DHAN Foundation	-	22
11.	New Life's Placements	-	46

### 9. Successful candidates in UPSC examinations : Nil

### 10. Sports / games and prizes won

S. No	Sports Medal	Organizer	Place and Date	Winners	Rank
1.	Intercollegiate Tournament	TNAU, Coimbatore	TNAU, Coimbatore	Overall Championship shield for Men and Women	-
2.	Intercollegiate Tournament	TNAU, Coimbatore	TNAU, Coimbatore	S. Sumathi	Individual championship award in Women Athletics events



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3.	8 <sup>th</sup> All India Inter-Agri Tournaments and Sports	Punjab Agri. University	Ludhiana, 23.2.07 to 26.2.07	S. Kalanithi	High Jump - First Place
				S. Kalanithi,	4 x 100 Relay - Second Place
				P. Manikandan E. Sathish Kumar P. Manikandan J.Mathi	400 Mts - Second Place Shot Put - Second Place
				S. Kalanithi P. Sivakumar S. Kiran Kumar R. Karthick Raja	Volley ball (Men) - Runner Up
				S.Sumathi	100 mts - Third Place
				S.Sumathi	4 x 100 Relay - Third Place

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### 11. Students' functions

S.No	Date of Function	Name of the Function
1.	5.7.06	Students Club Inauguration
2.	15.8.06	60 <sup>th</sup> Independence day
3.	30.8.06	Orientation Day for I B.Sc.(Ag.) students
4.	26.12.06	Rotract Club Inauguration
5.	8.1.07 & 9.1.07	Talentia
6.	26.1.07	Republic Day
7.	15.3.07 & 16.3.07	Muthamil vizha

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1. Students' admission, degree wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc. (Ag.)	39	46	85	-	-	-	39	46	85

2. Students' admission, quota wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	10	18	28	-	-	-	10	18	28
2.	BC	2	4	6	-	-	-	2	4	6
3.	MBC	2	6	8	-	-	-	2	6	8
4.	ST	-	-	-	-	-	-	-	-	-
5.	SC	22	16	38	-	-	-	22	16	38
6.	ICAR Quota	2	2	4	-	-	-	2	2	4
7.	Other Quota	1	-	1	-	-	-	1	-	1
<b>Total</b>		<b>39</b>	<b>46</b>	<b>85</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>46</b>	<b>85</b>

3. Students' strength

S.No.	Years	students Studied		
		Boys	Girls	Total
1.	I Year 2007 Batch	44	49	93
2.	II Year 2006 Batch	38	44	82
3.	III Year 2005 Batch	38	49	87
4.	IV Year 2004 Batch	43	29	72
<b>Total</b>		<b>163</b>	<b>171</b>	<b>334</b>

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#### 4. Scholarship availed by students

S. No.	Scholarship Details	Number of students benefited	Scholarship Amount (Rs.)
1.	BC / MBC / DNC Scholarship	109	5,06,525
2.	GOI SC / ST Postmetric Scholarship	94	10,96,940
3.	Higher Education Special Scholarship	53	3,71,000
4.	Chief Minister Award	13	19,500
5.	Gandhi Memorial Award	2	2,000
6.	National Merit Scholarship	1	3,720
7.	ICAR national Talent Award	7	42,000
8.	SC / ST Prize Money Award	1	5,000

#### 5. ICAR - JRF -Successful candidates

S. No.	Subject	Successful Candidates Number		
		Fellowship	Placement	Total
1.	Plant Science	1	-	1
2.	Horticulture	1	-	1
<b>Total</b>		<b>2</b>	<b>-</b>	<b>2</b>

#### 6. Awards / Medals / Prizes received by students

S. No	Details of Awards and Prizes	Winners Name
1.	Marimuthu Memorial Medal	K.S.Anithadevi
2.	Pioneer batch Medal	K. Nithya
3.	Killikulam Scientists Endowment Medal	C. Gurujothi
4.	FACT Medal	T. Nithya
5.	The Royal Killies Medal	Visalakshi Chandra
6.	Charms Endowment Medal	K. Nithya
7.	Ilangovan Endowment Award	K. Nithya
8.	Pon Essakiappillai Gomathiammal Medal	B. Karthikayini
9.	C. Balasubramaniam Medal	B.Kathikayini
10.	The Smart Killies Medal	Simitali Mishra
11.	Killikulam Agronomist Medal	M. Srikanth
12.	Roopavathi Memmorial Medal	U. Amala



## 7. Study tour

S. No.	Nature of Tour	Period	Places Visited	Batch	Number of students
1.	All India Study Tour	16.9.06 to 3.10.07	Chennai, Hyderabad, Warangal, New Delhi, Chennai, Tirunelveli	2003	52

## 8. Campus interview and placement

S. No.	Agencies	Number Selected
1.	DHAN Academy	16
2.	Symbiosis Agro Management Pvt., Ltd.,	05
3.	TATA Dhan Academy	41
4.	G2 Call Centre	02
5.	MSSRF, Koodankulam	01

## 9. Successful candidates in UPSC examinations

S. No.	Details	Successful Candidates	Degree
1.	Indian Revenue Service	Dr. S. Michael Raj, I.R.S.	Ph.D.,
2.	Indian Forest Service	Ms. Mercy Bella, I.F.S.	M.Sc. , (Ag.)

## 10. Sports / games and prizes won

S. No	Sports Medal	Organizer	Place and Date	Winners	Rank
1.	100 mts. Run	Karunkulam Panchayat Union, Thoothukudi District.	Karunkulam 06.12.2006 08.012.2006	Vaithialingam, s.	I st Place
				Karuppasamy, R.	II Place
2.	200 mts. Run			Vaithialingam, S.	I st Place
				Poobalan, K.	II nd Place
3.	400 mts. Run			Gopala Krishnan	Ist Place
				Karuppasamy, R.	II Place
4.	1500mts. Run			Pandichelvan, R.	I st Place
				Arul	III rd place
				Savithri, A.	II nd Place
				Thangeshwari, S.	III Place
				Ashok Kumar, R.	III rd Place
5.	10000mts Run				
6.	Short Put				
7.	Discus Throw			Vaithialingam, S.	Ist Place
		Ramachandrar, S.	Ist Place		

8.	Javelin Throw			Canapathi RamPrasad, R.	I st Place
9.	Long Jump			Vaithialingam, S.	Ist Place
10.	High Jump			Vaithialingam, S.	I st Place
11.	Triple Jump			Vaithialingam, S.	II nd Place
12.	Food ball			Men	II nd Place
13.	Volley Ball			Women	I st Place

S. No	Sports Medal	Organizer	Place and Date	Winners	Rank
1.	100 mts Run	ICT, TNAU, Coimbatore	TNAU, Coimbatore 28.01.2007 03.02.2007	S. Bharathi, II Yr.	Second
2.	100 mtrs Hurdles			V. Durgadevi III Yr	First
3.	10 mtrs Hurdles			K. Poobalan	Third
4.	200 Mts Run			S. Bharathi II Yr	Second
5.	400 mtrs Run			A. Gopalakrishnan	Third
6.	400 mtrs hurdles			V. Durgadevi III Yr	Third
7.	800 mtrs hurdles			R. Ashokkumar IV Yr	Third
8.	1500 mtrs Run			R. Pandiselvan III Yr	Second
9.	3500 mtrs Run			A. Savithri II Yr	First
10.	5000 mtrs Run			S. Arumugaraj III Yr	First
11.	4 x 100 mtrs Relay-Women			A. Savithri II Yr	Third
12.	Discus Throw			S. Ramachander III Yr	Second
13.	Pole Vault			V. Ramaraju III Yr	First
14.	Kabaddi				Second
15.	Cricket				Second

## 11. Students' functions

S. No.	Function Date	Name of the Function
1.	22.06.2006	Students Club Inauguration
	03.07.2006	Motivational Lecture on Preparation for UPSC Examination
2.	13.07.2006	Dramatic Society Inauguration
3.	17.08.2006	An Analytical Way to Approach UPSC Examination and Interview
4.	28.08.2006	First Year Orientation Day
5.	29.08.2006	The Role of Seed Industry in Agriculture



6.	31.08.2006	PGDCA Inauguration
7.	30.08.2006	Speak Fluent English
8.	14.09.2006 &15.09.2006	Workshop on Acquiring and Enhancing Soft Skills
9.	8.12.2006	Workshop on Soft Skill Development & Higher Education Abroad
10.	21.12.2006	Night School
11.	25.01.2007	Muthamil Vizha
12.	07.03.2007	Annual Sports Day
13.	19.03.2007 - 23.03.2007	ACO Fun
14.	28.03.2007	College Day & Club Day



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## ANBIL DHARMALINGAM AGRICULTURAL COLLEGE AND RESEARCH INSTITUTE, TRICHY

### 1. Students' admission, degree wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	B.Sc (Ag.)	29	32	61	--	--	--	29	32	61

### 2. Students' admission, quota wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	--	1	1				--	1	1
2.	BC	4	9	13				4	9	13
3.	MBC	11	11	22				11	11	22
4.	ST	--	1	1				--	1	1
5.	SC	10	10	20				10	10	20
6.	ICAR Quota	4	--	4				4	--	4
7.	Other Quota	--	--	--				--	--	--
<b>Total</b>		<b>29</b>	<b>32</b>	<b>61</b>				<b>29</b>	<b>32</b>	<b>61</b>

### 3. Students' strength

S.No.	Years	students Studied		
		Boys	Girls	Total
1	I Year	29	32	61
2	II Year	34	41	75
3	III Year	36	27	63
4	IV Year	33	21	54
<b>Total</b>		<b>132</b>	<b>121</b>	<b>253</b>



#### 4. Scholarship availed by Students

S.No	Scholarship Details	Scholarship Amount (Rs.)	Number of students benefited
1	BC/MBC Dist. Welfare Scholarship	507816	128
2	SC/ST Dist. Welfare Scholarship	446150	40
3	SC/ST Education Loan for Dist. Welfare Officer	238000	36
4	SC Students Chief Minister Award	7500	05
5	Periyar Endowment Scholarship	10000	02
6	TNAU Merit Kokilavani, Gayathiri, Hemalatha Endowment Scholarship	18000	05
7	ICAR National Scholarship	18870	05
<b>Total</b>		<b>1246336</b>	<b>219</b>

#### 6. ICAR - JRF Successful candidates

S. No.	Subject	Successful Candidates Number		
		Fellowship	Placement	Total
1	Entomology	5	4	9
2	Social Science	1	1	2
3	Soil Science	1	3	4
4	Agronomy	-	1	1
5	Crop Science	-	7	7
<b>Total</b>		<b>7</b>	<b>16</b>	<b>23</b>

#### 6. Awards / Medals / Prizes received by Students

S.No	Details of Awards and Prizes	Period	Winners Name
1	Rasi Seeds Prize	2003-04	Revathi, N.,
2	Salem Gugai Mrs.G.Sampoornammal Medal	2003-04	Karthika, B., I
3	Dr.V.S. Subramanyan Prize	2002-03	Sourav Nayak,
4	Dr.C.V.Govindasamy Medal	2002-03	Anusheela, V.,
5	B.V.Velasamy and B.V.Sarojini Velasamy Medal	2002-03	Prashant Kumar Jha,
6.	Tmt.R.Santha Medal and AVR Sundaram Trust Medal	2002-03	Prashant Kumar Jha,
7.	Karaikal Siva R.Gurumurthy Iyer Medal	2002-03	Prashant Kumar Jha,
8.	Rajagopalan Padmavathy Medal	2003-04	K.Vengalamani,
9.	K.Rajukkannu, K.Senthilvel, Meenakshi ammal and 1995-96 batch students Endowment Medal-	2002-03	Prashant Kumar Jha

## 7. Study tour

S. No.	Nature of Tour	Period	Places Visited	Batch	Number of students
1	All India Study Tour	21.8.06 to 08.09.06	New Delhi, Jaipur, Dehradun, Chandigarh and Hyderabad	2003-04	54

## 8. Campus interview and placement

S.No	Agencies	Number Selected
1.	Rasi Seeds, Attur	04
2.	EID Parry (India) Ltd	05
3.	Marvish Tech.	02
4.	Dhan Foundation	04
5.	HDFC Bank	01
6.	Victoria Capitals	01
7.	Karvy Contrade	02
8.	Sharaz Farm Academy	03
9.	CAI Industries	10
10.	Senthil Seeds	01
11.	Jayaram Bio-Science	03
12.	Bank of India	02
13.	Syndicate Bank	02
<b>Total</b>		<b>39</b>

## 9. Successful candidates in UPSC examinations

S.No	Details	Successful Candidates	Degree and Batch
1.	Indian Revenue Service	1. M. Periasamy	B.Sc (Ag.) 1994-98
		2.S.Thirugnanasampantham	B.Sc (Ag.) 1996-2000
2.	Indian Forest Service	1. M. Periasamy	B.Sc (Ag.) 1994-98
		2. S.Thirugnanasampantham	B.Sc (Ag.) 1997-2001



## 10. Sports / Games and Prizes won

S.N	Sports Medal / Cultural	Organizer	Winners	Rank
1.	Quiz Programme	Officers Club, Pudukottai	Mr.Rahul Kumar Mr.Pankaj Kumar Tiwari II Year	2 <sup>nd</sup> Place
2.	TNAU Cultural Team	All India Inter-Agri Youth Festival	Ms.S.Saranya, IV Year Ms.J.Poornima Jency, I Year	3 <sup>rd</sup> Place
3.	Debating	42 <sup>nd</sup> Inter University National Debating	Mr.L.Rajasekar, III Year	4 <sup>th</sup> Place Prize Money
4.	Mime Team	TNAU South Zone Inter University Competition	Ms.S.Saranya, IV Year Ms.A.C.Pavithra, I Year	---
5.	Worhtout Waste	AC&RI, Madurai	Mr.R.Maniraj, III Year	1 <sup>st</sup> place
	Tamil Poem	AC&RI, Madurai	Ms.S.Hemalatha, IV Year	2 <sup>nd</sup> place
	Classical Solo	AC&RI, Madurai	Ms.Ambily Antony III Year	2 <sup>nd</sup> place dance
6.	Art	TNAU, Coimbatore	Mr.G.Karthick, III Year	1 <sup>st</sup> Place
	Coin Collection	TNAU, Coimbatore	Mr.S.Balasubramanian II Year	2 <sup>nd</sup> Place
7.	All India Inter Agri Tournament	Punjab Agrl. University	Mr.P.Mageshwaran III Year Ms.M.Srimathai III Year Ms.K.M.Abharna II Year	---
8.	Football (Men)	Inter Collegiate Tournament	Team	Runner cup
9.	Volleyball (Women)	Inter Collegiate Tournament	Team	Runner cup
10.	Javeline throw	Inter Collegiate Tournament	Mr.K.Vengalamani IV Year	Gold Medal
11.	Javeline throw	Inter Collegiate Tournament	Ms.K.M.Abharna II Year	Gold Medal

## 11. Students' functions

S.No	Function Date	Function Name
1.	09.08.2006	Students' Club Inauguration
2.	30.08.2006	Orientation day
3.	07.12.2006	Students Interaction and Motivation
4.	23.12.2006	Hiking Society

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5.	11.01.2007	Tamil Illakia Mandra Vizha
6.	11.01.2007	Pongal Vizha
7.	09.02.2007	Kondattam 2007
8.	26.02.2007	Freedom 2007
9.	28.02.2007	Muthamizh Vizha
10.	09.11.2006	Debating Competition
11.	08.03.2007	Debating Society



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## HORTICULTURAL COLLEGE AND RESEARCH INSTITUTE, COIMBATORE



### 1. Students' admission, degree wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Tech (Hort.)	-	-	-	7	20	27	7	20	27

### 2. Students' admission, quota wise : Does not arise

### 3. Students' strength

S.No.	Years	students Studied		
		Boys	Girls	Total
1	I Year	5	18	23
2	II Year	7	12	18
3	III Year	6	11	17
4	IV Year	8	8	16
	<b>Total</b>	<b>26</b>	<b>49</b>	<b>75</b>

### 4. Details of scholarship availed by Students

S.No	Scholarship Details	Scholarship Amount (Rs.)	Number of students benefited
1.	BC Scholarship	40,720/-	5
2.	MBC scholarship	19,160/-	2

### 5. ICAR-JRF - Successful candidates : Nil

### 6. Educational Awards / Medals / Prizes : Nil

### 7. Study tour

S. No.	Nature of Tour	Period	Places Visited	Batch	Number of students
1.	All India Study tour	07.09.2007 to 26.09.2007	*	IV B.Tech (Hort.)	16

\* **New Delhi** : Flower auction centre, Azadpur wholesale market , Flora Expo' 07 ,Landscape expo '07 Indian stitute of packaging, IARI, NBPGR, CSIR , Urban landscapes e mbassy **Agra** : Agra landscapes , Fateh-pur-sikri **Solan and Shimla**

CPRI, Kufri , NRC, Mushroom , Shimla Landscape , YSP Univeristy **Chandigarh** : Rock garden, rose garden, pinjore garden, cacti garden **Ludhiana** : PHTC, PAU **Amritsar** : M/s. Nigger agro products , Golden temple landscape **Bikaner** : Central Institute

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for arid hort., Rajasthan Agrl. University **Jaipur** :  
 Garden and landscape palace **Pune** : NRC grapes ,  
 Raisin industry /Wine industry, NRC Onion and Garlic  
 .MPKV, Rahuri **Hyderabad** : ANGRAU, ICRISAT &

CRIDA, Urban Landscape **Bangalore** : Hybrid  
 seed production centres of Syngenta, Mahyco  
 and Namdhari , Cut flower industry / Processing  
 industry

**8. Campus interview and placement : Nil**

**9. Successful candidates in UPSC examinations : Nil**

**10. Sports / Games and Prizes won**

S.N	Sports Medal	Organizer	Winners	Rank
1.	Basket ball	ICT	Mamta Dhakad	Winner
		SICA		Runner
2.	Basket ball	SICA	Karthika.S.	Runner
3.	Volley ball	SICA	Lochana	Participated
		ICT		
4.	Volley ball	SICA	Manisha Goenka	Participated
		ICT		
5.	Kabbadi	SICA	Srinivasa Raghavan	Participated
		ICT		

**11. Students' functions : Nil**



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## HORTICULTURAL COLLEGE AND RESEARCH INSTITUTE, PERIYAKULAM



### 1. Students' admission, degree wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	B.Sc., (Hort.)	39	17	56	-	-	--	39	17	56

### 2. Students' admission, quota wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	--	--	--	-	-	-
2.	BC	7	4	11	-	--	--	7	4	11
3.	MBC	3	1	4	-	-	-	3	1	4
4.	ST	2	0	2	-	-	-	2	0	2
5.	SC	25	10	35	-	-	-	25	10	35
6.	ICAR Quota	2	2	4	-	-	-	2	2	4
7.	Others	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>39</b>	<b>17</b>	<b>56</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>39</b>	<b>17</b>	<b>56</b>

### 3. Students' strength

S.No.	Years	students Studied		
		Boys	Girls	Total
1.	I B.Sc., (Hort.)	39	17	56
2.	II B.Sc., (Hort.)	27	35	62
3.	III B.Sc., (Hort.)	25	35	60
4.	IV B.Sc., (Hort.)	26	34	60
<b>Total</b>		<b>117</b>	<b>121</b>	<b>238</b>

### 4. Details of scholarship availed by students

S.No	Scholarship Details	Scholarship Amount (Rs.)	Number of students benefited
1.	GOI Post merit SC/ST Scholarship	4,39,590	34

2.	Prize money award for SC/ST students	15,000	3
3.	BC/MBC/DNC scholarships	2,53,970	20
4.	Free Education scholarship SC/ST students	16,200	5
5.	SC/ST converted Christian scholarship	7,185	1
6.	Chief minister award	6,000	4
7.	ICAR Talent scholarship	--	--

### 5. ICAR - JRF Successful candidates

S. No.	Subject	Successful Candidates		
		Fellowship	Placement	Total
1.	B.Sc., (Horticulture)	1	1	2

### 6. Awards / Medals / Prizes won by Students

Sl.No	Name of the Award	Year	Name of the student
1.	Jaideep Kumar Janardhanan memorial Award for best student in entomology courses	2002-2003	M. Suganya

### 7. Study tour

S.No	Tour	Period	Places of visit	Batch	Number of students
1.	RHWE	09.06.2006 to 08.08.2006	Theni, Dindigul, Madurai and Trichy (Dt.)	2003-2004	60
2.	Short tour	17.08.2006 to 27.08.2006	Coimbatore, Mattupalayam, Salem, Dharmapuri, Osur, Trichy, Viruthachalam, Madurai, Thirunelveli, Thuthukudi, Nagarkovil	2003-2004	60
3.	Internship in sub tropical and temperate crops	21.02.2007 to 27.02.2007	Thadiyankudisai and kodaikanal areas	2004-2005	60
4.	Industrial tie-up	01.09.2006 to 17.09.2006	Theni, Dindigul, Madurai and Sivagangai (Dt.)	2003-2004	60
5.	All India Tour	24.09.2006 to 12.10.2006	Bangalore, Mysore, New Delhi, Jaipur, Agra, Simla, Solan, Dehradun	2003-2004	60
6.	Internship in plantation crops	23.07.2007 to 06.08.2007	Coonoor and Yercaud	2004-2005	60



8. Campus interview and placement : Nil

9. Successful candidates in UPSC examinations : Nil

10. Sports / Games and Prizes won : Nil

**11. Students' functions**

S.No	Date	Name of the Function
1.	10.08.2006	Orientation day and students club inauguration
2.	27.12.2006 and 28.12.2006	Muthamil vizha
3.	21.03.2007	Sports day
4.	27.03.2007	College day & Club day
5.	29.03.2006	Hostel day



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1. Students' admission, degree wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	B.Sc (Forestry)	17	7	24	-	-	-	17	7	24

2. Students' admission, quota wise

Sl. No.	Category	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	-	-	-	-	-	-
2.	BC	1	6	7				1	6	7
3.	MBC	5	0	5				5	0	5
4.	ST	0	0	0				0	0	0
5.	SC	9	1	10				9	1	10
6.	ICAR Quota	1	0	1				1	0	1
7.	Other Quota	1	0	1				1	0	1
<b>Total</b>		<b>17</b>	<b>7</b>	<b>24</b>				<b>17</b>	<b>7</b>	<b>24</b>

3. Students' strength

S.No.	Years	students Studied		
		Boys	Girls	Total
1	I Year (2006 Batch)	17	7	24
2	II Year (2005Batch)	23	2	25
3	III Year (2004 Batch)	24	1	25
4	IV Year (2003Batch )	16	2	18
<b>Total</b>		<b>80</b>	<b>12</b>	<b>92</b>

4. Details of scholarship availed by Students

S.No	Scholarship Details	Scholarship Amount (Rs.)	Number of students benefited
1.	GOI Post merit SC/ST Scholarship	4,39,590	34

2.	Prize money award for SC/ST students	15,000	3
3.	BC/MBC/DNC scholarships	2,53,970	20
4.	Free Education scholarship SC/ST students	16,200	5
5.	SC/ST converted Christian scholarship	7,185	1
6.	Chief minister award	6,000	4
7.	ICAR Talent scholarship	--	-

#### 5. ICAR - JRF Successful candidate : Nil

#### 6. Awards / Medals / Prizes won by Students

Sl.No	Details of Awards and Prizes	Year	Name of the student
1.	Jawaharlal Nehru Award for best student in B.Sc ( Forestry)	2005-06	V. Harini

#### 7. Study tours : Nil

#### 8. Campus interview and placement

S.No	Agencies	Number Selected
1	Built, Haryana	3
2	ITC , Andhrapradesh	5
3	TNPL , Karur	9

#### 9. Successful candidates in UPSC examinations

S.No	Details	Successful Candidates	Degree and Batch
1	I.F. S	Karnan	B.Sc ( Forestry) 2002
2	I.F.S	Thirugnana sambandam	B.Sc ( Forestry) 2000 Batch
3	I.F.S	Abilash Damodaran	M.Sc ( Forestry) 2005
4	I.F.S	Ravikumar	M.Sc ( Forestry) 2003

#### 10. Sports / Games and Prizes won

S.N	Sports Medal	Organizer	Winners	Rank
1	100 metres, 400 metres hurdles	ICT, TNAU, Coimbatore	Umar Ibrahim	I
2	800 metres, 1500 metres hurdles	ICT, TNAU, Coimbatore	S.Narendara Babu	I
3	Hammer throw , Javeline	ICT, TNAU, Coimbatore	G.Venkatesh	III



4	Kabadi	ICT, TNAU, Coimbatore	Team Event	Winner
5	Women's Shuttle badminton	ICT, TNAU, Coimbatore	Team Event	Runner
6	Hurdles 100 metres	All India Inter Agri Sports Meet Ludhiana,	Umar Ibrahim	II
7	Overall Championship in sports and Games	Inter college sports and Games Meet	PG & III Year	Winner
8	Individual Championship	Inter college sports and Games Meet	Umar Ibrahim	Winner

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### 11. Students' functions

S.No	Date	Name of the Function
1	11-01-07	Club Day inauguration
2	30-04-07	College Day
3	05-11-06	Wildlife Week Celebration
4	21-03-07	World Forest Day



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## AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE, COIMBATORE



### 1. Students' admission, degree wise

Sl. No.	Degree	Admission Details								
		General			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Tech.(FPE)	12	11	23	-	-	-	12	11	23
2.	B.Tech. (EEE)	8	11	19	-	-	-	8	11	19

### 2. Students' admission, quota wise : Does not arise

### 3. Students' strength

S. No.	Year	Students Studied						
		B.Tech.(FPE)			B.Tech. (EEE)			
		Boys	Girls	Total	Boys	Girls	Total	
1.	I Year 2007 Batch	12	11	23	8	11	19	
2.	II Year 2006 Batch	12	11	23	8	11	19	
3.	III Year 2005 Batch	11	19	30	14	14	28	
4.	IV Year 2004 Batch	10	12	22	11	13	24	

### 4. Details of scholarship availed by students

S.No	Scholarship Details	Scholarship Amount (Rs.)	Number of students benefited
1.	Adi- Dravidar Welfare offier,	44950.00	5
2.	Adi- Dravidar Welfare offier (credit)	21000.00	3
3.	Government of India scholarship	3700.00	1
4.	Chief Minister's welfare fund	3000.00	2

5. ICAR - JRF Successful candidates : Nil

6. Awards / Medals / Prizes won by Students : Nil

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## 7. Study tour

S.No	Tour	Period	Places of visit	Batch	Number of students
1.	Study tour	17.07.2006 - 28.07.2006	Salem, Erode, Dharmapuri, Chennai, Cudallore, Vridhachalam, Madurai, Kanuyakumari & Trichy	FPE (2005-2006)	29
		28.08.2006 -08.09.2006	Bhavani, Erode, Vellore, Chennai, Trichy, Pudukottai, Kodaikonal, dindigul, Madurai, Tirunelveli, Kanyakumari & Udamalpet	EEE (2005-2006)	16
2.	Rural Agro Industrial Programme	07.12.2006 -16.12.2006	Dharmapuri district	FPE (2003-2004)	19
3.	All India Study tour	13.03.2007 -02.04.2007	Bangalore, Mumbai & Delhi	FPE (2003-2004)	19
4.	Industrial Intern ship Programme	20.12.2006 -09.03.2007	Chennai, Bangalore, Erode Salem & Coimbatore	FPE (2003-2004)	19

8. Campus interview and placement : --

9. Successful candidates in UPSC examinations : --

10. Sports / Games and Prizes won : --

11. Students' functions : --





**1. Students' admission, degree wise**

Sl. No.	Category	Admission Details								
		Common			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	B.E. ( Ag.)	28	16	44	-	-	-	28	16	44

**2. Students' admission, quota wise**

Sl. No.	Category	Admission Details								
		Common			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	OC	1	-	1	-	-	-	1	-	1
2.	BC	11	8	19	-	-	-	11	8	19
3.	MBC	8	4	12	-	-	-	8	4	12
4.	ST	1	-	1	-	-	-	1	-	1
5.	SC	6	4	10	-	-	-	6	4	10
6.	ICAR	1	-	1	-	-	-	1	-	1
7.	Others	-	-	--	-	-	-	-	-	-
<b>Total</b>		<b>28</b>	<b>16</b>	<b>44</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>28</b>	<b>16</b>	<b>44</b>

**3. Students' strength**

S.No.	Years	Students Studied		
		Boys	Girls	Total
1.	I <sup>st</sup> Year	27	17	44
2.	II <sup>nd</sup> year	29	15	44
3.	III <sup>rd</sup> Year	28	16	44
4.	IV <sup>th</sup> Year	20	8	28
<b>Total</b>		<b>104</b>	<b>56</b>	<b>160</b>

**4. Details of scholarship availed by Students**

Sl. No.	Details of the Scholarship	Scholarship				No of boys/girls benefited	
		Ist year	II Year	III year	IV year	Boys	Girls
1	SC/ST	16	8	8	2	22	12

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2	SC Special Scholarship	12	3	2	-	12	5
3	BC/MBC/DNC Scholarship	14	21	23	16	48	30

#### 5. ICAR - JRF Successful candidate : Nil

#### 6. Awards / Medals / Prizes won by Students

Sl.No	Details of the Prizes and medals	Name of the student
1.	Second place in "National Agricultural Engineering Students' Competition - 2006"	K.Ganeshamurthy M.Govindaraj

#### 7. Study tours

S. No	Nature of the Tour	Period	Places	No. of Students
1	Agri Industrial Tie up programme	-	*	28
2	State Tour	-	**	28

\* **Hyderabad** : Premier irrigation, NRSA / ICRISAT  
**Mumbai** : IIT, ASPEE industry, Indian Packaging Industry  
**Jalgaon** : Jain irrigation Co., Jain processing Co., Jain plastic park  
**Agra & Jaipur** : architectural constructions  
**Dehra Dun** : CSWCR&TC, Indian Institute of Remote Sensing  
**Chandigarh** : HMT Tractor, **Ludhiana** : College

Agri.Engineering , mechanised farm **New Delhi** : Division of Agri. Engg, WTC-Indo-Israel project, SSP Food & Dairy plant, Phytotron facility.

\*\* Salem, Mettupalayam, Coimbatore, Pollachi, Periyakulam, Theni, Madurai, Tuticorin, Kanyakumari, Killikulam Virudunagar, Dindigul.

#### 8. Campus interview and placements

Sl.No.	Institution	No. of students selected
1	Jain Irrigation Ltd., Gurgaon, Maharashtra	21
2	Plastro Plasson Industries (Finolex )Ltd, Coimbatore	11

#### 9. Successful candidates in UPSC examination : Nil

#### 10. Sports / Games and Prizes won

Sl. No.	Games/Competition	Organizer	Place	Price winner Student	Avenue
1	ICT- Ball Batminton	TNAU	Runner	Men's team	Coimbatore
2	ICT-Table Tennis	TNAU	Runner	Men's Team	Coimbatore
3	Athletics( 200 m)	TNAY	III place	Ms. T.Thangamani I B.Tech.(Agrl. Engg)	Coimbatore



## 11. Students' functions

S.No	Date	Name of the Function
1	03.04.2006	Club Inauguration Day
2	05.04.2006	Farewell Function for the out going Students of B.Tech. (Agrl. Engg.)`
3	19.07.2006	Tamil Debation Club Function
4	07.09.2006	Hiking
5	27.07.2006	English Debating Programme on "Privatization is good or bad for India"
6	30.08.2006	Orientation day for the newly joined first year students
7	13.09.2006	Eleventh Annual sports meet
8	16.03.2007	Hostel Day



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# HOME SCIENCE COLLEGE AND RESEARCH INSTITUTE, MADURAI

## 1. Students' admission, degree wise

Sl. No.	Category	Admission Details								
		Common			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B.Sc (Home Science)	22	11	33	--	--	--	22	11	33

## 2. Students' admission, quota wise

Sl. No.	Category	Admission Details								
		Common			Self Finance Scheme			Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	General	-	-	-	NIL	-	-	-	-	-
2.	BC	4	-	4		4	-	4		
3.	MBC	2	1	3		2	1	3		
4.	ST	-	-	-		-	-	-		
5.	SC	14	7	21		14	7	21		
6.	ICAR	-	-	-		-	-	-		
7.	Others	-	-	-		-	-	-		
<b>Total</b>		<b>20</b>	<b>8</b>	<b>28</b>	<b>20</b>	<b>8</b>	<b>28</b>			

## 3. Students' strength

S.No.	Years	students Studied		
		Boys	Girls	Total
1	First	20	08	28
2	Second	07	12	19
3	Third	05	11	16
4	Fourth	07	08	15
<b>Total</b>		<b>39</b>	<b>39</b>	<b>78</b>

## 4. Details of scholarship availed by Students

S. No.	Name of Scholarship	Amount ( Rs )	No. of students benefited
1	TNAU Merit scholarship	900	3
2.	TNAU Merit scholarship	1000	2
3.	TNAU Merit scholarship	800	3



4.	Periyar Endowment Scholarship	5,000	3
5.	Periyar Endowment Scholarship	4,710	1
6.	Backward Classes Scholarship	2,093	1
7.	Backward Classes Scholarship	7,950	2
8.	Backward Classes Scholarship	2,863	2
9.	Backward Classes Scholarship	4,860	4
10.	Backward Classes Scholarship	4,110	1
11.	Backward Classes Scholarship	4,030	1
12.	Backward Classes Scholarship	2,543	1
13.	Most Backward Classes Scholarship	3,445	2
14.	Most Backward Classes Scholarship	6,290	3
15.	Most Backward Classes Scholarship	5,910	2
16.	Most Backward Classes Scholarship	3,513	2
17.	Most Backward Classes Scholarship	3,343	2
18.	Most Backward Classes Scholarship	5,510	1
19.	Most Backward Classes Scholarship	3,193	1
20.	Most Backward Classes Scholarship	4,680	2

#### 5. ICAR - JRF Successful candidate

SI.No	Subject	No. of students obtained		
		Fellowship	Placement	Total
1.	Human Development	1	--	1

#### 6. Awards / Medals / Prizes won by Students

SI.No.	Details of awards	Period	Name of the student
1	P.A.C. Ramasamy Raja Award	2006-2007	Manju Parkavi, J
2	Students of Home Science Award	2006-2007	Manju Parkavi, J
3	V.K. Gopalswamy Nadar Award	2006-2007	Manju Parkavi, J
4	Sri Govindaraja Mills Award	2006-2007	Indhumathi, R.

#### 7. Study tour

SI. No	Study tour	Period	Places visited	Year	No. of Students
1.	Study tour	13.9.2006 to 29.9.2009	Bangalore, Mysore, Hyderabad, Chennai	IV B.Sc.	15

## 8. Campus interview and placements

S.No	Agencies	Number of person selected
1.	Tamil Nadu Veterinary and Animal Science University, Nammakal	1
2.	TATA Dhan foundation, Madurai	2
3.	KVK organized by RVS in Thenkasi	1
4.	ICICI prudential, Chennai	1
5.	Agricultural Research Station, Virinjipuram	1
6.	Krishi Vigyan Kendra, Sandhiyur	1
7.	Bharath College, Tanjavur	1
8.	Fathima College, Madurai	1
9.	DFRL, Mysure	1

9. Successful candidates in UPSC examination : Nil

10. Sports / Games and Prizes won : Nil

11. Students' functions

SI.No	Date	Details of students activities
	28.02.06	Rotract club inauguration
	26.04.06	Lighting Ceremony
	20.06.06	Intercollegiate Hockey Tournament
	30.05.06 and 08.06.06	NSS camp
	05.07.06	42 <sup>nd</sup> Students Club Inauguration
	30.12.06	College day
	08.01.07 and 09.01.07	Talentia
	15.03.07 and 16.03.07	Muthamizh Vizha
	27.03.07	41 <sup>th</sup> Annual Sports Meet





### 3.3 DIRECTORATE OF STUDENTS' WELFARE

The Directorate of Students' Welfare (DSW) in Tamil Nadu Agricultural University, Coimbatore is the nodal centre of Students' Counseling and Placement activities for all the colleges of the university. The prime objective of DSW is to promote capacity building and employability of Agri-graduates. The vision of DSW is to build confidence and competence among Agri-graduates to enable them to compete globally and promote job opportunities at national and international levels. The core activities of DSW are Placement, Higher Education Abroad and Career Counseling.

#### Placement

The fresh under graduates and post graduates of Coimbatore campus and 7 constituent colleges of all disciplines and also unemployed and underemployed candidates are informed to register their names and directed to submit their resume in the directorate. Renewal should be done by every individual after one year, failing which, students has to re-register.

#### Campus interviews and job fairs

Nine campus interviews were conducted during 2006-2007 in which 185 Agro based Industries participated and selected 750 Agri graduates.

Job Fair is organized every year during March/April coinciding with the completion of academic programmes. More than fifteen companies are usually participating and approximately 400 students from different campus attend the Job Fair.

#### Industrial visit

The Director and the placement officers of DSW visited besides written and email correspondence various multi national Agro based companies, Banking sectors and NGO's and appraised the activities and requested the company for campus interview. These tie-ups paved way for demand driven production of agro-graduates.

#### overseas employment unit

Overseas Employment Unit (OEU) has been launched in this directorate during October 2005 to provide job opportunities for agricultural graduates globally. So far 12 candidates got appointment in Middle-East and African countries. This directorate facilitate and

motivate the students through counseling. The selection process includes telephonic interviews and video conferencing.

#### Higher education abroad

In the recent past, more number of agri students were motivated for Higher Education in Abroad. The method of counseling includes testing phase, admission phase and visa phase. More than 61 candidates have undergone coaching in the subjects TOEFL, GRE and IELTS and approximately 23 students have gone abroad viz., USA, UK, Australia, Canada, Belgium, Finland, Germany, Taiwan, Thailand, Japan, South Korea and Singapore during 2006. "Green Group" has been established in this directorate and functioning effectively. The Internet Based Global Networking for TNAU Alumni employed or studying abroad for exchange of information with regard to job opportunities, fellowships and assistantships available across the global. A separate database has been created for TNAU alumni who are working and doing their higher studies abroad in order to facilitate the prospective candidates to keep in touch with the latest admission procedure, scholarship facilities etc., The database is regularly updated for the benefit of the interested students.

#### Career counseling

Coaching for Civil Service Examination is being offered to Agri-graduates of TNAU by appointing a cream of outsourced faculties from leading institutions, higher officials from government offices and reputed study centers during the off academic hours. Purchase of relevant books, reading materials, journals, leading dailies and CD ROMS were done in addition to the existing in the mini library. The communication lab encouraged more number of students to take up tests for self evaluation besides; mock tests, group discussion and personal interview are also conducted during the course to assess the progress of the students. In the recently concluded Civil Service Examinations (2006) 8 Civil Services and 8 Forest Services were bagged by TNAU graduates out of 31 and 10 winners, respectively, hailed from the State of Tamil Nadu.

- ❖ In career development programme, special lectures were arranged by inviting experts in IAS, IPS, IFS and also utilized the series of TNAU alumni who are in the same track.

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- ❖ Spoken English under career skills programme with a duration of four months is also being organized with the help of eminent English Professors from reputed institutions.
- ❖ Basic computer programming 'C' class has been organized for 123 students in co-ordination with NIIT Ltd.
- ❖ To encourage and motivate the students become successful entrepreneurs, interactive meetings, seminars and

workshops are also arranged and students from constituent colleges also participated and benefited.

- ❖ Under personality development programme, seminars, discussion meetings, trainings through software programme and guest lectures were organized with university professors from abroad and education consultants were also arranged.

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### Number of candidates selected through campus interview

S. No.	Name of the Organizations	No. of Students Selected
1	M/s.Jeyaram Bio-Science, Ariyalur	3
2	M/s.Senthil Seeds, Kolathupalayam, Dharapuram	7
3	M/s.SARAS Academy, Hosur	1
4	M/s.Kothari Sugars & Chemicals Ltd., Trichy	2
5	M/s.Sakthi Sugars Limited, Pollachi	2
6	M/s.Karvy Comtrade Limited, Hyderabad	25
7	M/s.EID Parry (India) Ltd., Chennai	3
8	M/s.Cethar Foodoil Limited, Trichy	4
9	M/s.Cauvery Palmoil Limited, Trichy	2
10	M/s.The Peria Karamalai Tea & Produce Co., Ltd., Coimbatore	1
11	M/s.Sterling Telecom Net Systems Limited, Mount Road, Chennai	2
12	M/s.Ranbaxy Fine Chemicals Ltd., CBE	3
13	M/s.Harrisons Malayalam Limited, Cochin	2
14	M/s.Canara Bank, Bangalore	18
15	M/s.Shepherd, Trichy	1
16	M/s.HDFC Bank, Coimbatore	10
17	M/s.State Bank of India, Coimbatore	2
18	M/s.Devi Pesticides (P) Ltd., Madurai	1
19	M/s.Golden Fries Ltd., Coimbatore	2
20	M.s.Tamil Nadu Newsprint & Papers Limited, Kagithapuram, Karur District	2
21	M/s.Shriram Bio Seed Genetics India Ltd., Hyderabad	5
22	M/s.Mahyco Seed Limited, Coimbatore	2

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23	M/s.Devi Pesticides (P) Ltd., Madurai	3
24	M/s.Vetcare-Tetragon Chemicals (P) Ltd., Coimbatore	1
25	M/s.KF Bioplants (P) Ltd., Hadapsar, Pune	1
26	M/s.Namdhari Fresh, Unit of Namdhari Seeds, Bangalore	2
27	M/s.Universal Pesticides and Chemical Industry, Selakkattupalayam	1
28	M/s.Netafim Irrigation (P) Ltd., CBE	2
29	M/s.Super Spinning Mills, Agri Division, Coimbatore	2
30	M/s.Sakthi Sugars (P) Ltd., Coimbatore	6
31	M/s.Godrej Hi Care Limited, Mumbai	2
32	M/s.Rasi Seeds (P) Ltd., Attur	5
33	M/s.Mangalore Chemicals & Fertilizers Ltd., Bangalore	4
34	M/s.Pestec Services Ltd., Chennai	6
35	M/s.Trinethra Ltd., Bangalore	8
36	M/s.DHAN Foundation, Madurai	10
37	M/s.Spencer's, Kolkata	3
38	M/s.Indian Bank	7
39	M/s.Monsanto India Limited, Coimbatore	3
40	M/s.Global Agri Systems (P) Ltd., New Delhi	15
41	M/s.Jain Irrigation, Coimbatore	24
42	M/s.HDFC Bank	4
<b>Total</b>		<b>209</b>

### Candidates selected for all india competitive Examination (2006-2007)

S1. No.	Cadre	Number of students selected	Names of the students
1	IAS	4	P. Jawahar, V. Shanmugam, R. Rajesh Kumar, C. Murugan
2	IPS	1	N. Nandha Kumar
3	IRS	3	M. Anitha, M. Periyasamy, Thirugnanasambandam
4	IFS	8	Ravikumar, Abilesh Damodharan, R. V. Karnan, Mercy, S. Sudhakar, Ramesh Thirugnanasambandam, K. K. Saravanakumar

## Candidates selected for higher education abroad

S1. No.	Name of the country	Number of Students selected
1	England	9
2	Australia	3
3	Denmark	3
4	Germany	3
5	America	3
6	Canada	1
7	France	1

### 3.4. UNIVERSITY LIBRARY

The University Library provides the life blood of research and Academic Scholarship. As such a library cannot be merely a book warehouses, but also be a dynamic force in stimulating scholarship and research competence. The TNAU Library holds a unique position in that. It contribute to the academic excellence and research competence of all segments of the University's academic structure. TNAU Library dedicated to the promotion of education, research and extension in Agriculture. At present the Library has crossed 1,63,715 of Books and Back volumes.

#### Improvement in the library

- ❖ 149 Online Foreign Journals and 101 Indian Journals pertaining to all disciplines have been subscribed for the Year 2007.
- ❖ Creation of Archaize Library.
- ❖ Automatic Transaction of books in the counter through Barcode System.
- ❖ Arrangements are being made to put electronic surveillance system.
- ❖ Annual reports and research reports are

being placed in a separate room for readers use.

- ❖ Arrangements are being made to digitize the back volumes & theses.
- ❖ Agricultural Press News Index is placed in the reference section.
- ❖ Separate section for newsletters from various Institutions and Universities.

#### General activities

The Library received 750 issues of Foreign Journals & Indian Journals. Book exhibition was conducted during March 21<sup>st</sup> to 23<sup>rd</sup> 2007. Fourteen Book Companies from all over India have participated in the exhibition. 420 Books on Agriculture and allied subjects were purchased under ICAR development grant 2006-07. The library collections were fully utilized by scientists and students of the University. About 2383 Visitors from other Universities, Colleges and Institutions from Tamil Nadu and neighbouring states consulted our library collections for their research work.





## 3.5 DIRECTORATE OF OPEN AND DISTANCE LEARNING

### Distance learning Programmes

The Directorate of Open and Distance Learning, one of the constituent units of the TNAU started during April 2005 is vested with the responsibility of offering distance learning programmes through correspondence mode viz., Certificate Courses, PG Diploma programmes and PG Degree programmes for the benefit of various segments of the farming community, entrepreneurs, self help groups and other learners who aspire for correspondence education and interested in establishing agro based industries in rural areas. In this direction, the Directorate of Open and Distance Learning has organized the following programmes during 2006 -2007.

#### Certificate courses

- ❖ Cotton and Maize Hybrid Seed Production
- ❖ Sugarcane Production Technology
- ❖ Vegetable Seed Production
- ❖ Nursery Techniques & Propagation of Horticultural Plants
- ❖ Mushroom Production
- ❖ Preservation of Fruits and Vegetables
- ❖ Wasteland Development
- ❖ Repair and maintenance of farm equipments and machineries
- ❖ Waste recycling and vermicomposting
- ❖ Bee keeping
- ❖ Cotton Cultivation
- ❖ Coconut cultivation

#### PG Diploma programmes

- ❖ Production and Quality Control in Medicinal Plants
- ❖ Food Biotechnology
- ❖ Bioinformatics

#### PG Degree programmes

- ❖ Master of Business Administration (MBA)
- ❖ M.Sc. Environmental Management

### Future programmes

Based on the feedback obtained from the learners of certificate courses and others, the Directorate of Open and Distance Learning has organised the following new courses along with the existing courses during 2007 -2008 as indicated below :

#### Certificate courses

- ❖ Gardening and Landscaping
- ❖ Medicinal Plants
- ❖ Bakery and Confectionary Products
- ❖ Modern Irrigation Management

#### PG Degree programmes

- ❖ M.Sc. Sugarcane Technology
- ❖ M.Sc. Food Science and Technology

### Off-set and printing press

The Off-set and Printing Press of the TNAU is functioning as an important component of the Directorate of Open and Distance Learning. This unit is vested with the responsibility of printing important publications of the university viz., TNAU Newsletter, Valarum Velanmai, Annual Report, Audit Reports, Annual Accounts, Research highlights, etc. All the course materials pertaining to Distance learning programmes are being printed at this unit. Besides this, printing of newsletters and other publications of the Joint Directors of Agriculture are also carried out at the press. During 2006-07, the TNAU Press is also entrusted with the responsibility of printing technical books on seed technology aspects for the Commissioner of Agriculture, Chennai.

### Educational media centre

The Education Media Centre is vested with the responsibility of producing audio and video lessons in agriculture and allied sciences besides production of video programmes to development departments, inputs agencies and voluntary organizations. This unit also engaged in production of television programmes periodically for telecast through Doordarshan Kendra, Chennai. More than 50 video CDs on various subject matter areas were produced by this unit for the benefit of farmers and extension

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functionaries. Achievements of the centre during the period under report are as follows :

- ❖ Video CD lessons sold - 365
- ❖ Video shows arranged - 73
- ❖ Telecast of TV programmes - 84

- ❖ Video coverages made on important activities - 58
- ❖ Video programmes produced - 43
- ❖ Coordinated programmes produced - 39

### 3.6 DIRECTORATE OF CONTROLLER OF EXAMINATIONS

**T** A separate Directorate of Controller of Examinations was formed and started functioning from 1997 to monitor the examination related activities of Under Graduate degree programmes and diploma courses. This Directorate is vested with the responsibility of monitoring examination related activities viz. getting question papers from other State Agricultural Universities, fixing examination schedule, conducting semester examinations, arranging for evaluation of answer papers, documentation and dispatch of mark sheets.

**N** During 2004-2005, external evaluation system for masters' degree programmes was introduced for final theory examination and is being followed as per the semester system of education.

#### Reforms made

- ❖ Bar coded answer sheets for final examination
- ❖ Preparation of mark sheets with security features
- ❖ Transcript card with security features
- ❖ Students performance analysis
- ❖ Software for different programmes
- ❖ Creation of Website for the Controller of Examinations
- ❖ Refined certain rules and regulation for the diploma programme

#### Under Graduate

**A** During the academic year 2006-2007, a total number of 2917 students have registered for the courses in ten undergraduate degree programmes covering 544 courses under odd and even semesters. Semester examinations were conducted during April 2006 and October 2006 and 45,576 answer scripts were evaluated. The results were declared for a total of 605 final year students and the pass percentage ranged from 88.9 to 100 in different degree programmes.

#### Post Graduate

During the year 2006-2007, a total of 346 students registered in first year first semester. 130 question papers were prepared for a total of 2196 students to write various examinations in 28 disciplines and the pass percentage was 94. In the same year 311 students of 2005-2006 batch registered 154 courses for their second semester in first year. In this semester, a total of 2032 answer papers were evaluated and the pass percentage was 69. In the case of second year of the 2005-2006 batch first semester, 33 question papers were prepared for 290 students and the pass percentage was 52.

#### Doctoral

A total of 92 students have registered 23 different disciplines in Agriculture, Horticulture, Food Science and Nutrition and Forestry faculties during 2006-07. Written examination and viva voce for qualifying were completed. Software development was carried out for the 2006 batch I, II and III semesters and also for declaring qualifying examination results. Registration cards, class grade charts and statement of marks were sent for the completed semesters of II and I Ph. D students.

#### Diploma

**U** A total of 278 students have registered for the courses during the year 2006-07 for diploma in agriculture programme in four diploma institutes, while 5 students have underwent P.G. diploma in Capital and Commodity market.

#### Open and distance learning

A total of eighty four students have registered for MBA, M.Sc. (Environmental Management), P.G (Diploma) in Medicinal plants, Bioinformatics and Food Biotechnology through open and distance learning. Final theory examinations were conducted for 2006 and 2005 batches. Software developments were made for the preparation of statement of marks and registration.



## RESEARCH

### 4.1A. NEW CROP VARIETIES, FARM IMPLEMENTS AND MANAGEMENT TECHNOLOGIES RELEASED DURING 2006

#### NEW VARIETIES

##### 1. HYBRID RICE - CORH 3



**Parentage** : TNAU CMS 2A/ CB 87 R  
**Duration (days)** : 110 - 115  
**Season** : Kar / Kuruvai / Sornawari / Navarai

##### Grain yield

Kg / ha	6475
% increase over	
ADT 39	24.3
ADT43	28.4
ADTRH 1	13.2

**Potential yield** : 10972 kg/ha  
**Suitability** : Throughout Tamil Nadu under irrigated transplanted condition

##### Special features

- ❖ Early duration (115 days)
- ❖ High yield potential
- ❖ Medium slender white grain with good cooking and keeping quality
- ❖ Tolerant to blast and RTD
- ❖ Resistant to GLH and tolerant to WBPH and BPH
- ❖ Synchrony in flowering of the parents

##### 2. RICE - RMD (R) 1



**Parentage** : Selection from TGR 75 R  
**Duration (days)** : 100 - 105  
**Season** : September October (Rainfed direct sowing)

##### Grain Yield

Kg / ha	4000
% increase over	
PMK 2	20.1
PMK 3	21.8
MDU 5	25.5

**Potential yield** : 5134 kg/ha  
**Suitability** : Ramanthapuram, Sivagangai and Thiruvallur districts

##### Special features

- ❖ Suited for rainfed direct seeding
- ❖ Short duration, High yielding, Drought tolerant
- ❖ Semi dwarf, non-lodging and non-shattering habit
- ❖ Long bold white rice with 1000 grain weight of 24.3 g
- ❖ High amylase content (25.6%) and head rice recovery (59%)
- ❖ Tolerant to bacterial leaf blight, blast, sheath rot, stem borer and leaf folder

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### 3. RICE - TPS (R) 4



**Parentage** : TS 29 / ASD 16  
**Duration (days)** : 95  
**Season** : Kannipoo (June – Sept.),  
 Kumbapoo (Oct. – Feb.)

#### Grain yield

Kg / ha	5840
% increase over	
MDU 5	20.0
ASD 17	27.0

**Potential yield** : 8050 kg/ha  
**Suitability** : Kadaivarambu (tail-end)  
 rice area of canal irrigated  
 system of Kanyakumari  
 district

#### Special features

- ❖ Very early duration with high yield
- ❖ Medium bold white rice
- ❖ Field tolerance to disease blast, brown spot and sheath blight and stem borer, leaf folder, BPH and GLH

### 4. HYBRID MAIZE - COH (M) 5



**Parentage** : Single cross hybrid of UMI  
 285 (Female)&UMI 61  
 (Male)  
**Duration (days)** : 100 - 105  
**Season** : Irrigated Throughout the  
 year

#### Grain yield

	Irrigated	Rainfed
Kg/ha	5400	4280
% increase over		
COH (M) 4	24.0	

**Potential yield** : 8200 kg/ha  
**Suitability** : All maize growing districts  
 of Tamil Nadu

#### Special features

- ❖ High yielding single cross hybrid
- ❖ Resistant to downy mildew disease
- ❖ Moderate resistance to stem borer
- ❖ Bold, yellow colour grains
- ❖ High starch (68.7%) and protein (8.23%)
- ❖ Hybrid seed production is easy





## 5. SAMAI - CO (SAMAI) 4



**Parentage** : CO 2 / MS 1684  
**Duration (days)** : 75 - 80  
**Season** : Rainfed Adipattam  
(June July)

### Grain yield

Kg/ha	1567
% increase over	
CO 3	14.2
Paiyur 2	12.7

**Potential yield** : 2820 kg/ha  
**Suitability** : Dharmapuri, Krishnagiri,  
Vellore, Tiruvannamalai,  
Salem, Trichy,  
Villupuram, Dindigul,  
Namakkal and Theni  
districts

### Special features

- ❖ Higher yield with bold nutritive grains
- ❖ Shorter in duration and drought tolerant
- ❖ Suitable for double cropping dryland situation (Samai Horsegram)
- ❖ No pest and diseases incidence in normal sowing season
- ❖ Palatable fodder

## 6. GREENGRAM - CO (Gg) 7



**Parentage** : MGG 336 / COGG 902  
**Duration (days)** : 62  
**Season** : June-July

### Seed yield

Kg / ha	978
% increase over	
CO 6	23.5

**Potential yield** : 992 kg/ha  
**Area of adoption** : Entire Tamil Nadu

### Special features

- ❖ High yielder
- ❖ Short duration
- ❖ High protein content (25.2%)
- ❖ Seeds are medium bold with good cooking quality
- ❖ Released as COGG 912 at All India level for Southern Zone and notified by the Central Variety Release Committee



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## 7. MOTHBEAN - TMV (Mb) 1



**Parentage** : Pureline selection from Villipuram local

**Duration (days)** : 65-70

**Season** : Rabi (Nov.-Dec) (Karthigaipattam)

### Seed Yield

Kg / ha	933
% increase over	
Villipuram Local	30.3

**Potential yield** : 1830 kg/ha

**Suitability** : Villipuram district

### Special features

- ❖ Erect and early maturing variety
- ❖ High yield and high protein content (24.8%)
- ❖ High fodder yield
- ❖ Moderately resistant to white fly, pod borer and yellow mosaic virus disease.

## 8. GROUNDNUT - TMV (Gn) 13



**Parentage** : Selection from Pollachi red

**Duration (days)** : 100 - 105

**Season** : Rainfed and irrigated

### Pod Yield

	Rainfed	Irrigated
Kg/ha	1613	2580
% increase over		
VRI 3	20.4	17.5
TMV 2	22.4	25.8
Local Red	24.0	21.8

**Potential yield** : 4550 kg/ha

**Suitability** : Groundnut growing areas of Tamil Nadu

### Special features

- ❖ Tolerance to terminal water stress
- ❖ Basal pod setting
- ❖ Acceptable pod traits
- ❖ Red kernel and high oil content



## 9. SUNFLOWER - CO (SFV) 5



**Parentage** : Derivative of *Helianthus annuus* / *Helianthus praecox*

**Duration (days)** : 85-90

**Season** : Rainfed and irrigated

### Seed yield

	Rainfed	Irrigated
Kg/ha	1360	1520
% increase over		
CO 4	18.5	15.6
Morden	37.7	34.7

**Potential yield** : 3550 kg/ha

**Suitability** : Sunflower growing areas of Tamil Nadu

### Special features

- ❖ High autogamy (>70 %)
- ❖ High oil content (40.3 %)
- ❖ High oil yield



## 10. COTTON - KC 3



**Parentage** : TKH 497 / KC 1

**Duration (days)** : 140

**Season** : Sep. - Oct. (Rabi)

### Seed cotton yield

Kg/ha (seed cotton)	1080
% increase over	
KC 2	35.3
MCU 10	35.8
LRA5166	30.2
SVPR 2	63.5

**Potential yield** : 2146 kg/ha of seed cotton

**Suitability** : Suitable for cultivation in rainfed black cotton soil tracts of Tuticorin, Tirunelveli and Virudhunagar districts during North East monsoon season

### Special features

- ❖ Medium duration
- ❖ High yielder with a seed cotton yield of 1081 kg/ha
- ❖ Good ginning out turn of 37 %
- ❖ Medium long staple cotton (26.4 mm)
- ❖ Fibre strength : length ratio is 0.81 (CIRCOT norm 0.8)
- ❖ Moderately resistant to leaf hopper
- ❖ Resistant to *Alternaria* and grey mildew diseases
- ❖ Tolerant to drought



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## 11. SUGARCANE - COC (SC) 23



**Parentage** : 69 A 591 GC  
**Duration (days)** : 300-330  
**Season** : Early and special

### Cane yield

	Cane	Sugar
t/ha (plant crop)	133.05	17.64
% increase over		
CO 86032	11.15	13.51
COC 98061	14.40	23.96

**Potential yield** : 235.0 t/ha  
**Suitability** : Tamil Nadu and Pondicherry, under normal irrigated condition and all soil types

### Special features

- ❖ Good ratooner and CCS = 12.95%
- ❖ Moderately resistant to red rot
- ❖ Non-lodging, non flowering
- ❖ Solid cane without brittleness
- ❖ Suited for pit method of planting, drip irrigation system and mechanical harvesting
- ❖ Drought tolerant
- ❖ More fibre content (12.52%), Ideal for Co-generation

## 12. TOMATO - COLCRH 3



**Parentage** : LCR 2 / CLN 2123 A  
**Duration (days)** : 140-145  
**Season** : May-June, November-December and Feb.-March

### Fruit yield

t/ha (Fruits)	90.2
% increase over	
CO TH 1	22.4
Lakshmi Hybrid	27.9

**Potential yield** : 117.3 t/ha  
**Suitability** : Coimbatore, Dharmapuri, Salem, Madurai, Namakkal, Thiruvannamalai, Thirunelveli, Thoothukudi, Trichy, Virudhunagar, Villupuram and Erode districts under irrigated condition

### Special features

- ❖ Plants are semi determinate (80-85 cm) and suitable for high density planting
- ❖ Fruits are smooth round to slightly oblong, medium sized, unripe fruits whitish green, ripe fruits bright red coloured and borne in clusters of 3-5 fruits (Fruit weight 65-70 g)
- ❖ Resistance to leaf curl virus disease
- ❖ High yielding and suitable for cultivation without pesticide spray





### 13. CHILLI - KKM (Ch) 1



**Parentage** : Hybrid derivative of Acc. 240 / CO 3

**Duration (days)** : 200

**Season** : September - October

#### Pod yield

t/ha (Dry pods)	3.03
% increase over	
PKM 1	35.61
K 1	38.41

**Potential yield** : 3.762 t/ha

**Suitability** : Tirunelveli, Thoothukudi, Virudhunagar and Ramanathapuram under garden land condition

#### Special features

- ❖ High yielder
- ❖ Plants are dwarf, compact and spreading
- ❖ Fruits are attractive red in colour and do not shrink much after drying and hence could fetch better price in market
- ❖ Relatively high capsaicin content (0.54%), oleoresin content (14.3%) and seed (49.79 Nos./pod)
- ❖ Moderate resistance to fruit rot (Percent Disease Index value 1.10)
- ❖ Field tolerance to mosaic disease (Percent Disease Incidence value 3.02)

### 14. THYME - OOTY (TV) 1



**Parentage** : Pureline selection from five germplasm types

**Duration (days)** : Perennial and commercially viable upto 4 years

**Season** : June-July and Sept. - Oct. (rainfed)

#### Yield

t/ha (Green leaves / year)	10.7
% increase over	
Local	33.7

**Potential yield** : 11.5 t/ha

**Suitability** : The temperate zone of the Nilgiris from 900 to 2500 m above MSL and similar areas. Suitable for well drained loamy soil with a pH of 5.5 to 6.5

#### Special features

- ❖ High green leaf yield potential
- ❖ Leaves possess high thyme oil content (0.7%), local 0.4%. Thyme oil contains 23.63% of thymol chemotype (a major constituent for its medicinal properties), local type contains 20.2%
- ❖ Green and dried leaves possess excellent aroma and cooking quality
- ❖ Resistant to root rot disease, root knot nematode, white flies and aphids





## FARM IMPLEMENTS

### 1. COCONUT TREE CLIMBER



#### Special features

- ❖ Useful for climbing coconut trees for harvesting nuts, cleaning and other operations
- ❖ Any unskilled person including ladies can climb the coconut trees using this unit
- ❖ Requires 1.5 minutes to climb a tree of 30 to 40 ft height

**Cost of the unit** : Rs.2,000/-

**Capacity** : 50 to 60 trees / day

**Cost of operation** : Rs.1.50/tree

### 2. TWO ROW FINGER TYPE PADDY ROTARY WEEDER



#### Special features

- ❖ Useful for weeding in paddy row crops
- ❖ Row spacing can be adjusted for 20 and 25 cm
- ❖ One man can easily operate the unit continuously
- ❖ By push pull action the weeds are buried and soil aerated

**Cost of the unit** : Rs.900/-

**Capacity** : 0.35 ha/day

**Cost of operation** : Rs.250/ha

**Saving in cost** : 80%

**Saving in labour** : 60%



### 3. HAND OPERATED AONLA SEED REMOVER



#### Special features

- ❖ The seed remover is simple and easy to handle
- ❖ Deseeded fruits with punch hole increases the osmosis of syrup
- ❖ Mechanical pulping of fresh aonla is feasible without seeds

**Cost of the unit** : Rs.1000/-

**Capacity** : 20 kg/hr (or) 530 fruits/hr

**Cost of operation** : Rs.10/hr

**Saving in cost** : 90%



#### 4. SEED CUM FERTILIZER DRILL FOR PADDY



##### SPECIAL FEATURES

- ❖ Useful for direct sowing of paddy and simultaneous application of fertilizer
- ❖ The seed rate and fertilizer rate can be adjusted
- ❖ Can be operated by a 35 HP tractor
- ❖ By applying the required quantity of fertilizer at root zone, better crop growth and more yield is obtained

**Cost of the unit** : Rs.35,000/-

**Capacity** : 3 ha/day

**Cost of operation** : Rs.800/ha

**Saving in cost** : 65%

**Saving in labour** : 84%

#### 5. TRACTOR OPERATED PIT DIGGER FOR SUGARCANE PLANTING



##### SPECIAL FEATURES

- ❖ Dig two pits of 90 cm dia simultaneously at 1.5 m interval to a depth of 30 cm suitable for planting sugarcane setts
- ❖ Planting of cane in 1.5 x 1.5 m spacing with pit method favours higher cane yield
- ❖ Recommended as technology package under drip fertigation system for cane

**Cost of the unit** : Rs.65,000/-

**Capacity** : 250 to 300 holes/hour

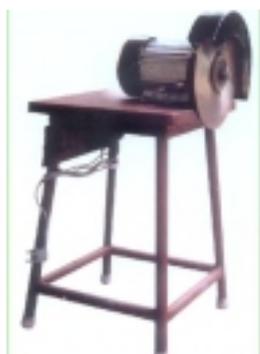
**Cost of operation** : Rs.300/hour

**Savings in cost** : 63%

**Savings in time** : 97%



#### 6. SUGARCANE SETT CUTTER



##### Special features

- ❖ Useful for cutting sugarcane sett with single bud
- ❖ Reduce the cost of seed cane
- ❖ Additional income from the budless internodes

**Cost of the unit** : Rs.2750/-

**Capacity** : One sett / second

**Cost of operation** : Rs.240/ha

**Saving in cost** : 45%

**Saving in time** : 70%

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## 7. MINI COMBINE HARVESTER FOR PADDY



### Special features

- ❖ Harvesting, threshing, winnowing operations are carried out simultaneously
- ❖ Suitable for small and marginal farmers
- ❖ Can be easily transported to inaccessible fields

**Cost of the unit** : Rs.2,00,000/-

**Capacity** : 1 ha/day

**Cost of operation** : Rs.1300/ha

**Saving in cost** : 80%

**Saving in labour** : 91%



### MANAGEMENT TECHNOLOGIES

#### 1. DIRECT SEEDING OF RAINFED RICE USING SEED CUM FERTILIZER SEED DRILL



### Details of technology

- ❖ Rainfed rice cultivation requires good tilth for uniform sowing of seeds by using tractor drawn seed cum fertilizer seed drill. For direct rice seeding the field has to be ploughed to fine tilth and blanking should be given before taking up sowing. By using the tractor drawn seed cum fertilizer seed drill the rice seeds and the recommended basal dose of phosphorus as DAP can be placed to a depth of 2.5 to 3.0 cm with out overlapping as pre monsoon sowing. The seeds and the applied fertilizer will be automatically covered by the iron rod passing behind the seed drill. In this method of sowing a seed rate of 75 kg ha<sup>-1</sup> will be required to cover one hectare of land as against the seed rate of 100 kg ha<sup>-1</sup> required for the farmer's method of sowing.

### Benefits

- ❖ Seed cum fertilizer seed drill sowing is one of the best option to increase the productivity of rainfed direct seeded rice crop in the coastal district of Ramanathapuram This technology has many advantages as listed below :
  - ❖ A saving of seed rate by 25 kg / ha
  - ❖ Proper placement of seed and fertilizer to a depth of 2.5 cm helps to get better and deeper root system which favours better utilization of moisture and thus the crop is able to withstand the drought in better way.
  - ❖ Line sowing favours easy hand weeding and introduction of mechanical weeding is also possible in this system and thereby reduces the cost on weeding.
  - ❖ Uniform and optimum plant population maintenance is possible by adopting this technology which will result in higher grain yield with net returns

### Economics

- ❖ Seed cum fertilizer drill sowing crop recorded the highest net return of Rs.13,152/- compared to Rs.7,772/- registered in farmer's method of sowing with higher B:C ratio of 2.35.





## 2. MODIFIED RICE MAT NURSERY FOR EARLY TRANSPLANTATION UNDER MODIFIED SRI METHOD OF CULTIVATION



### Details of technology

- ❖ In the conventional wet bed nursery, seedlings do not attain the expected size (15 to 20-cm height) even at 25-30 days after seeding (DAS) because of invariably high seeding rate and poor nursery management. Therefore we decided to develop a modified rice mat nursery (MRMN) for producing robust, healthy rice seedlings in 15 days time suitable for transplantation with single seedling per hill.
- ❖ Shallow raised beds to a height of 5 cm and width of 1.2 m are to be raised in the field or any convenient place having water facility and free from animal trespass. The length of the bed can be of any convenient size. 100 m<sup>2</sup> mat nursery is required to produce seedlings that are sufficient for planting one ha of field. Native field soil alone (if very fertile) or soil + pressmud mixture (1:1) or soil + well decomposed FYM (1 kg FYM mixed with the soil required for 1 m<sup>2</sup> nursery bed) are identified as suitable seed bed medium to take up sowing. The 4 cm thick seed-bed medium blended with well-powdered DAP (20-25 g for 1 m<sup>2</sup> seed-bed medium) is to be poured inside a pre-fabricated wooden seed frame placed over the polyethylene layer or used fertilizer gunnies. The pre-germinated seeds at the

rate of 5-8 kg/ha are to be sown in the 100 m<sup>2</sup> seed-bed (50-g dry seed or 100 g wet seed per m<sup>2</sup>) depending upon the variety and germination percent of the seed. Then, seeds should be properly covered using the same seed-bed medium, gently pressed with hand, sprinkled with water uniformly to saturate the medium. The seed frame is to be carefully removed and the sowing process continued till the required area was sown. The mat nursery is to be sprinkled with water 2-3 times a day up to 5 days after sowing using a rose can. After 5<sup>th</sup> day, water can be let in between the mat nursery beds to keep the beds soaked, but not submerged. On 9<sup>th</sup> day of sowing 0.5% urea solution (50 g in 10 lit of water) may be drenched over the seedling bed with the help of a rose can. Water should be drained two days prior to lifting and transportation of seedling mats to the main field for transplanting.

### Benefits

- ❖ Production of robust seedlings in 15 days
- ❖ 18-20 cm tall seedlings with 4-5 leaves
- ❖ Saving of cost on seed, labour, fertilizer & water

### Economics

- ❖ Reduced the cost on seed by 85- 90%, fertilizer by 90%, labour by 34% and water use by 55%.
- ❖ Limited land use
- ❖ The cost of seedling production to plant 1 ha of main field is reduced by about Rs.1600/-
- ❖ Saving of 50% of cost when compared to conventional wet bed nursery.



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### 3. PIT METHOD OF SUGARCANE PLANTING UNDER DRIP FERTIGATION SYSTEM



nitrogen and potassium as urea and MOP (White potash) should be applied through fertigation system in 14 equal splits starting from 15 DAP upto 210 DAP

- ❖ **Drip design** : Lateral to lateral spacing 3.0 m (Alternate rows) 8 mm micro tubes on either side of the lateral to a length of 1.0 m with one 8 LPH drippers / pit.
- ❖ **Irrigation** : Daily or in alternative days

#### Details of technology

- ❖ **Pit to pit spacing** : 1.5 x 1.5 m
- ❖ **No. of pits/ha** : 4,444 pits
- ❖ **Pit diameter** : 0.9 m
- ❖ **Pit depth** : 0.38 m
- ❖ **No. of budded setts / pit** : 32 (Single budded setts)

Fill the pits to a depth of 15 cm with compost and native soil and mix it well. Place the healthy setts in circular fashion leaving 10 cm from the outer boundary of the pits with equal spacing between each setts and cover the setts with soil. On 50 to 60 days after planting give partial earthing up by sliding the soil from the outer boundary of the pit and full earthing up should be given leaving a depression of 2.5 cm from the ground level at 90 to 100 days after planting.

- ❖ **Fertilizer dose** : 275:62.5:112.5kg NPK/ha
- The entire phosphorous dose can be applied as basal at the time of planting. The

#### Benefits

- ❖ Higher cane yield
- ❖ Multi rationing is possible
- ❖ Suited in problem soils
- ❖ More water saving
- ❖ System maintenance is easy
- ❖ Less labour for after cultivation operations
- ❖ Higher net return

#### Economics

Pit planting of cane in 1.5 m x 1.5 m pit spacing registered the highest net return of Rs.1,19,649 ha<sup>-1</sup> and 1,55,982 ha<sup>-1</sup> with in B:C ratio of 2.26 and 3.31 in plant and ratoon crops respectively compared to the net return of Rs1,16,650 and 1,27,360 registered in conventional method of cane



#### 4. MICRO SPRINKLER IRRIGATION FOR CURRY LEAF



lph are to be placed at 2 m spacing along the lateral.

#### Benefits

- ❖ Saving in irrigation water upto 51 per cent
- ❖ Surface irrigation : 1134 mm/year
- ❖ Micro sprinkler irrigation : 555 mm/year
- ❖ Area under irrigation will be doubled
- ❖ Saving in energy, labour and other inputs

#### Details of technology

- ❖ Micro sprinkler irrigation once in two days at 40 per cent pan evaporation (PE) under paired row planting with a spacing of 0.75 m between rows and 1.25 m between pairs of rows.
- ❖ Micro sprinkler irrigation schedule for sandy loam soils

Season	Time of operation
January February	1 hr.
March June	1 hr. 30 min.
July September	1 hr.
October December	45 min.

- ❖ In the case of lay-out, laterals are to be laid at 2 m interval and each micro sprinkler is to be erected in the centre of four plants within the paired row. The micro sprinklers of 16

#### Economics

Added cost for micro sprinkler installation = Rs.49,000/ha

Taking the life of the system as ten years = Rs.9,800/ha

added cost per ha per year Added returns per year = Rs.2,238/ha

#### Reduction in cost in micro sprinkler irrigation per year :

Value of labour saved due to reduced irrigation charges = Rs.9,000/ha

Reduction in weeding cost = Rs.9,600/ha

Total reduction in cost = Rs.18,600/ha

Particulars (Rs./ha)	Surface irrigation	Micro sprinkler irrigation
Gross return	73,854	76,092
Total cost of cultivation	20,854	15,250*
Net return	53,000	60,842

\* includes cost of micro sprinkler systems apportioned for ten years = (Rs.49,000/ha.)

Net change in income (increase in profit) = (Rs.60842 - Rs.53,000)  
= Rs.7,842/ha

Hence as per partial budgeting micro sprinkler irrigation is economically feasible



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## 5. SHADE NET CULTIVATION WITH FERTIGATION IN TOMATO



**Fertigation** : NK each @ 200 kg/ha through straight fertilizers

### Benefits

- ❖ Fetches a premium price in the market where there is demand for the fruits during summer.
- ❖ Shade net cultivation helps to grow tomato under protected environment to increase the productivity during off seasons.
- ❖ Besides high productivity, the shade net also acts mechanical barriers to pest and vectors of viral diseases.
- ❖ Microclimate in the shade net will minimize the crop loss due to abiotic stresses and also reduces the weed intensity greatly.
- ❖ Shade net can be utilized during rainy season also. Vegetable crops with higher marketable price can be grown in order to fetch higher returns which provide year round production.

### Details of technology

- ❖ The influence of shade and fertigation on growth and productivity of tomato were standardized.

**Hybrid** : Ruchi

**Shade** : 35 per cent

**Spacing** : Paired row planting  
80x40x60 cm (between pairs, rows and plants)

- ❖ Fertilizer application

**Basal** : NK each @ 50 kg/ha and P at 250 kg/ha through straight fertilizers

### Economics

- ❖ **Yield (t/ha)** : 96.0
- ❖ **B/C ratio** : 3.07



## 6. PROTECTED CULTIVATION TECHNIQUES FOR CUT CHRYSANTHEMUM



### Details of technology

- ❖ The growing medium, irrigation regime, fertilizer application and photoperiod regulation for Cut Chrysanthemum under poly house conditions were standardized

<b>Variety</b>	: Yellow Regan
<b>Area of Poly house:</b>	1000 m <sup>2</sup>
<b>Growing Media</b>	: Soil + Compost + Cocopeat @1:1:2
<b>Irrigation</b>	: 40 kPa
<b>Spacing</b>	: 20 x 15 cm
<b>Nutrition</b>	: 10:20:10 g/m <sup>2</sup> NPK through soil application as basal, i.e.50% N as basal and remaining 50% N i.e. 10 g/m <sup>2</sup> as top dressing at flower bud opening stage.

**Photoperiod** : 14 hours dark and 10 hours light

**Light intensity** : 3000 Lux

**Temperature** : 25 -35° C

**Relative humidity** : 60-70%

### Benefits

- ❖ Ensures high productivity with good quality flowers.
- ❖ Act as a mechanical barrier to pests and diseases.
- ❖ Microclimate regulation will reduce the crop loss due to climatic factors.
- ❖ An eco-friendly cultivation system, which reduces the use of harmful chemicals.
- ❖ Beneficial for off season production by providing short day conditions.

### Economics

- ❖ This technology helps the grower get an average of 240 sprays/m<sup>2</sup> (239.3 during summer and 240.3 in winter) with 3.54 flowers /spray in summer and 3.56 / spray in winter

Gross returns	Rs.15,12,000/-
Cost of production	Rs.4,39,200/-
Net return	Rs.10,72,800/-
BC Ratio	1: 3.44



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## 7. AONLA BASED MOUTH FRESHENER



vii. Aonla + pepper + ginger + lime + salt (aonla 100 g, pepper 3%, ginger 3%, lime juice 15, salt 5%)

- Dry it in a cabinet drier at 60 to 80°C for 4 to 5 hrs. Pack it and store in an airtight container.

### Benefits

- ❖ Value addition of aonla will increase the production and the economic value of the crop among the farmers
- ❖ Dehydrated aonla supari will be the good substitute for chewing areca nut and tobacco and it will help to maintain the health profile
- ❖ Processing of aonla will lead to additional income for growers and entrepreneurs.

### Economics :

Cost of production : Rs.50/kg

The TNAU model creche is recommended for SHGs, NGOs, Entrepreneurs for adoption. Use of spirulina and protein enriched mangobar is recommended for adoption in Noon meal programme. Selected processed products (Varagu flakes, pumpkin incorporated health mixes) have been popularized to processing industries for commercialization.

### Details of technology

Select matured, firm and fibreless aonla fruits and wash in cold water. Deseed the fruits with aonla deseeder and slice into small pieces with vegetable slicer. Weigh the desired spice combinations and mix with aonla pieces. Soak it for 48 hrs, mix once or twice during curing.

- Aonla + lime + salt (Aonla 100 g, lime juice 15 %, salt 5%)
- Aonla + ginger + salt (Aonla 100 g, ginger 5 %, salt 5%)
- Aonla + pepper + salt (Aonla 100 g, pepper 5 %, salt 5%)
- Aonla + lime + ginger + salt (aonla 100 g, lime juice 15%, ginger 5%, salt 5%)
- Aonla + lime + pepper + salt (Aonla 100 g, lime juice 15%, pepper 5%, salt 5%)
- Aonla + pepper + ginger + salt (aonla 100 g, pepper and ginger 5%, salt 5%)



## B NEW CROP VARIETIES, FARM IMPLEMENTS AND MANAGEMENT TECHNOLOGIES RELEASED DURING 2007



### NEW VARIETIES

#### 1. RICE - CO(R) 48



**Parentage** : CO 43 / ASD 19  
**Duration (days)** : 130 - 135  
**Season** : Thaladi

#### Grain yield

Kg / ha	6007
% increase over	
I.W.Ponni	10
BPT 5204	17

**Potential yield** : 9625 kg/ha

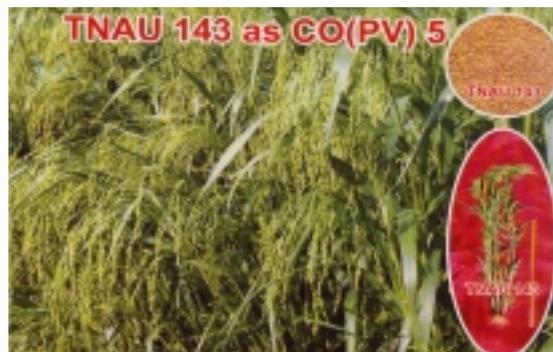
**Suitability** : Throughout Tamil Nadu except Virudhunagar, Ramnad, Sivagangai and Nilgiris districts

#### Special features

- ❖ Medium slender white fine rice similar to Improved White Ponni
- ❖ Intermediate amylase content, gelatinization temperature and high linear elongation ratio on cooking
- ❖ Superior cooking quality
- ❖ Moderately resistant to stem borer and hoppers, blast, RTD and sheath blight



#### 2. PANIVARAGU - CO(PV) 5



**Parentage** : PV 1403 / GPUP 21  
**Duration (days)** : 70  
**Season** : Rainfed : (Jun. - Jul.)  
 (Sept. - Oct.)

#### Grain yield

Kg / ha	Grain	Straw
% increase over		
CO 4	24.4	9.1
GPUP 21	35.0	15.1

**Potential yield** : 3951 kg/ha

**Suitability** : Rainfed drylands, hill and tribal areas in Salem, Namakkal, Villupuram, Dindigul and Erode districts of Tamil Nadu.

#### Special features

- ❖ High grain yield, profuse tillering and non-lodging
- ❖ Highly nutritive grains with acceptable cooking qualities and value addition
- ❖ Drought tolerant and short duration
- ❖ Palatable straw
- ❖ No pest and diseases incidence in normal sowing season. Less Grain smut, rust, brown spot and shootfly infection and dead heart symptoms than CO 4



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### 3. BLACKGRAM - VBN (BG) 5



**Parentage** : Vamban 1 / UK 17  
**Duration (days)** : 65 - 70  
**Season** : June - July - Adipattam  
 Sept. - October - Purattasipattam  
 Feb. - Mar. - Thaipattam

#### Seed yield

Kg / ha	820
% increase over	
VBN 3	12.32
ADT 5	22.02
VBG (Bg) 4	9.33

**Potential yield:** 1212 kg/ha  
**Suitability** : Suitable for growing in all the seasons and all regions of Tamil Nadu

#### Special features

- ❖ Higher grain yield than the check varieties viz., VBN 3, VBN (Bg) 4 and ADT 5
- ❖ Suitable for both rainfed and irrigated condition. Under high fertility level, there is no vegetative growth as that of VBN (Bg) 4
- ❖ No incidence of Yellow Mosaic Virus through out the year while VBN 3 and ADT 5 are susceptible during summer season

### 4. AVARAI - CO (Gb) 14



**Parentage** : CO 9 / CO 4  
**Duration (days)** : 70 - 75 (Vegetable crop); 80 - 85 (Seed crop)  
**Season** : Adipattam (Jun. - Jul.)  
 Purattasipattam (Sep. - Oct.)  
 Thaipattam (Feb. - March)

#### Yield (tender pods)

Kg / ha	7984
% increase over	
CO 13	22.49

**Potential yield** : 13194 kg/ha  
**Suitability** : Coimbatore, Salem, Dharmapuri and Krishnigiri districts of Tamil Nadu

#### Special features

- ❖ Attractive green colour pods
- ❖ High density planting because of erect and compact plant type
- ❖ Clipping not required
- ❖ Can be grown throughout the year
- ❖ Tolerates / compensates the damage of spotted pod borer
- ❖ Resistant to root rot and moderately resistant to Anthracnose





## 5. GROUNDNUT - VRI (GN) 6



**Parentage** : Hybrid derivative of ALR 2 / VG 9513

**Duration (days)** : 100 - 105

**Season** : Rainfed : June July  
Irrigated : Dec. - Jan.

### Pod yield

Kg/ha	Rainfed	Irrigated
% increase over		
VRI 2	10.5	13.5

**Potential yield** : 5200 kg/ha

**Suitability** : Rainfed and irrigated tracts of Tamil Nadu. Red laterite / sandy soil

### Special features

- ❖ Basal pod setting
- ❖ Tolerant to drought
- ❖ High shelling (75%)
- ❖ High oil content (50%)
- ❖ Small pods with rose kernels
- ❖ Moderately resistance to late leaf spot, rust and Peanut Bud Necrosis Disease (PBNB)



## 6. TAPIOCA - CTCRI CO (Tp) 5



**Parentage** : It is an exotic germplasm introduced from CIAT, Cali, Colombia (MNga-1). It is one of the hybrid lines produced for resistance to African Cassava Mosaic Disease at IITA, Nigeria, having the code No.TMS/30001

**Duration (days)** : 270 - 300

**Season** : June - July : Oct. - Nov.

### Tuber yield

t / ha	38
% increase over	
Sree Visakhm	Yield on par

**Potential yield** : 38 t/ha

**Suitability** : Adapted to loamy and sandyloam soils of Salem, Namakkal, Dharmapuri, Erode, Tirunelveli districts of Tamil Nadu and laterite soil of Kerala

### Special features

- ❖ Resistance to cassava mosaic disease
- ❖ Fairly high food starch content (28%)
- ❖ Moderate tuber yield (38 t/ha)
- ❖ Erect and top branching habit
- ❖ Regular flowering and seed setting
- ❖ Tubers long, cylindrical, white flesh easy peelability and low in cyanoglucoside



## 7. WHITE LONG SNAKE GOURD-PLR (SG)1



**Parentage** : Pureline selection of white long type

**Duration (days)** : 135

**Season** : June - September,  
November - March  
April - May

### Yield

t / ha	35-40
% increase over	
CO 1	30.5

**Potential yield** : 46.5 t/ha

**Suitability** : Cuddalore, Villupuram, Vellore, Tiruvannamalai, Kancheepuram, Tiruvallur and Perambalur districts of Tamil Nadu. Well drained, organic matter rich, sandy loam soil

### Special features

- ❖ This variety is suitable for cultivation under irrigated conditions only
- ❖ Excellent cooking quality due to less fibre and high flesh content and does not twist due to maturity

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## 8. BHENDI HYBRID - COBhH 1



**Parentage** : VU Selection / PA 4 (T)

**Duration (days)** : 120

**Season** : May - June: Nov. - Dec  
Feb. - Mar.

### Yield

t / ha	22.1
% increase over	
Arka Anamika	47.3
M 10	16.3

**Potential yield** : 26.1 t/ha

**Suitability** : Coimbatore, Dharmapuri, Erode, Kancheepuram, Madurai, Namakkal, Pudukkottai, Ramanathapuram, Salem, Sivagangai, Thanjavur, Trichy, Tiruvannamalai, Villupuram and Vellore districts under irrigated condition

### Special features

- ❖ Plants are 110-120 cm tall
- ❖ Fruits are dark green, long and tender. About 21-29 fruits are borne per plant
- ❖ High yielding and resistant to yellow vein mosaic virus disease
- ❖ Suitable for cultivation without pesticide spray

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## 9. SAPOTA - PKM (Sa) 5



**Parentage** : It is a selection from open pollinated seedlings maintained in a private orchard at Virudhunagar

**Duration (days)** : Perennial

**Season** : June October

### Fruit yield

	Vertisol
t/ha	18.70
% increase over	
PKM 1	19.06
PKM 4	17.97

**Potential yield** : 18.88 t/ha

**Suitability** : Well adapted to the vertisol soils of Southern Tamil Nadu.

### Special features

- ❖ High yielder, High Total Soluble Solids (25.5° brix) and suitable for preparation of dry flakes, milk shake powder and mixed fruit jam.
- ❖ Oval shaped attractive fruits with smooth, light brown skin which facilitates a good market appeal.
- ❖ Flesh is crisp and retains coppery brown colour after ripening.
- ❖ It shows field tolerance to leaf spot and leaf webber incidences.



## 10. JACK - PLR (J) 2



**Parentage** : It is a clonal selection from Pathirakkottai Local

**Duration (days)** : Perennial

**Season** : June - December

### Fruit yield

	No.	Kgs.
Fruits / tree / year	95-110	1600-1950
% increase over		
PLR 1	29.0	114.0

**Potential yield** : 1950 kg/tree/year

**Suitability** : Suitable for growing in tropical climates. Deep well drained loam soil

### Special features

- ❖ Good quality and bigger sized fruits
- ❖ Highly palatable and edible flakes
- ❖ Will fetch more price due to attractive characters and keeping quality resulting in increased income to the farmers
- ❖ Less incidence of major pest and diseases



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## FARM IMPLEMENTS

### 1. POWER TILLER OPERATED SLASHER CUM INSITU SHREDDER



#### Special features

- ❖ Suitable for shredding vegetable residues of brinjal, chillies, bhendi, etc. left after harvest and parthenium etc.
- ❖ Suitable for any make of power tiller with 10-15 HP
- ❖ **Saving in time** : 73%
- ❖ **Saving in cost** : 75%
- Cost of the unit** : Rs.9500 (attachment)
- Capacity** : 0.8 ha/day
- Cost of operation** : Rs.800/ha

### 2. SUGARCANE DETRASHER



#### Special features

- ❖ Labour requirement is less
- ❖ Easy for handling
- ❖ Reduced cost of de-trashing
- ❖ Used for all varieties of cane
- ❖ Also removes the sprouted buds
- ❖ Easy collection of de-trashed leaves
- Cost of the unit** : Rs.100/-
- Cost of operation** : Rs.900/ha



### 3. A SUB SOILER ATTACHMENT FOR STUMP REMOVAL



#### Special features

- ❖ Complete removal of roots
- ❖ Tractor operated equipment
- ❖ Attachment to chisel plough
- Cost of the unit** : Rs.10,500 (including subsoiler)
- Cost of operation** : Rs.2.00 per stump





## MANAGEMENT TECHNOLOGIES

### 1. IPM FOR PIGEONPEA POD BORER COMPLEX



#### Details of technology

- ❖ Use of high yielding varieties like VBN 2 / APK 1 / CORG 7
- ❖ Use of pheromone traps for *H. armigera* @ 12 nos./ha (monitoring)
- ❖ Installing of bird perches @ 50 nos./ha
- ❖ Hand collection of pod borer larvae / beetle wherever possible

- ❖ Spraying of Ha NPV @  $1.5 \times 10^{12}$  POB/ha (1.5 lit / ha) when *Helicoverpa* alone is predominant
- ❖ Spraying of Neem Seed Kernel Extract (NSKE) 5% (50 g/lit) and spraying of indoxacarb 14.5 SC @ 0.75 ml/l or endosulfan 35 EC @ 2 ml/l

#### Benefits

- ❖ Natural enemies (*Chrysopa*, wasps and Coccinellids) conserved and augmented
- ❖ No residue
- ❖ C: B : 2.50 Vs 1.89

#### Economics

Treatment	Mean yield (kg/ha)	C:B ratio
IPM	706.5	2.50
Farmers practice	529.5	1.89



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## 2. IPM MODULE FOR BLACKGRAM



compared (567kg/ha) in farmers practice

- ❖ Low incidence of flea beetle, spotted pod borer, blue butterflies, gram pod borer and pod bug damage and root rot were recorded in IPM fields as against high in the farmers practice
- ❖ Incidence of natural enemies like spiders and coccinellids were higher in IPM fields and lower in the farmers practice
- ❖ Environmental Impact Quotient (EIQ) measures the potential impact of pesticide on human health and environment. The EIQ value for the farmers practice was 18.655 while it was 0.1536 for IPM fields

### Details of technology

The important IPM components to be adopted from seed to harvest include

- ❖ Seed treatment with dimethoate at 5ml/kg and *Pseudomonas* (Pf 1) @ 10g/kg
- ❖ Basal application of zincated coir pith at 15kg/ha or zinc sulphate 25kg/ha
- ❖ Monitoring *Spodoptera* by pheromone traps @ 12/ha
- ❖ Spraying of azadirachtin 0.03% or NSKE 5% on ETL basis

### Economics

- ❖ An yield increase of 18.6% was recorded for IPM fields
- ❖ Black gram IPM fields recorded higher BC ratio of 2.03 against 1.54 in the farmers practice
- ❖ Partial budgeting on blackgram IPM confirmed an additional return of Rs. 3260 per ha.

### Benefits

- ❖ IPM demonstrated fields recorded higher mean yield of 673kg/ha when





### 3. PROTEIN ENRICHED SPICY MANGO BAR



- ❖ Greengram dhal was roasted slightly to remove the raw flavour. Then ground into fine flour. The greengram dhal flour was steamed for 10 minutes, dried and passed through fine mesh to avoid clumps
- ❖ Soy flour was steamed for 10 minutes to reduce the raw beany flavour and to inactivate trypsin inhibitor. The steamed flour was dried and passed through fine mesh to avoid clumps
- ❖ Soy protein isolate was steamed for 10 minutes. The steamed flour was dried and passed through fine mesh to avoid clumps

#### Preparation of spicy mango bar

- ❖ The mango pulp (80 g) was heated for 3 minutes to inactivate the enzymes
- ❖ Corn flour (4 g) was made into paste with little amount of water (to avoid the formation of clumps)

- ❖ The pulp was mixed with corn flour paste, sugar (50 g), chilli powder (0.75 g), asafoetida (0.1 g) and greengram (20 g) / soy flour (20 g) / soy protein isolate (10 g) / skim milk powder (10 g)
- ❖ This mix was heated on medium flame by stirring continuously using a wooden laddle upto a final TSS of 45° Brix
- ❖ The concentrated pulp was cooled to room temperature and 0.1 per cent KMS was added and mixed thoroughly. The finished pulp was spread evenly in an aluminium tray to a thickness of 0.5 cm and dried at 60°C for 6 hr in a cabinet drier
- ❖ Then the dried piece was cut into bars of 9 x 3 cm size, packed and were stored at room temperature

#### Benefits

- ❖ It is an improvement of the existing technology to develop nutritious mango bar
- ❖ Combination of pulse protein with carotene rich mango pulp could result in alleviations of protein energy malnutrition in young children
- ❖ Therapeutic bar processing will increase the market demand for mango and hence the farmers could be benefitted

#### Economics

Cost of production Rs.4/100 g



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#### 4. SHADE NET TECHNOLOGY FOR SWEET PEPPER AND PAPRIKA



##### Details of technology

- ❖ Standardized influence of shade on growth and productivity in sweet pepper and paprika
- ❖ **Variety** : Sweet pepper - Indra  
Paprika - Kt - PL 19
- ❖ **Shade** : 35 % as against earlier 50%
- ❖ **Spacing** : Paired row planting  
80x40x60 cm (between pairs, rows and plants)

##### Benefits

- ❖ Fetches a premium price
- ❖ Production during off seasons
- ❖ Mechanical barrier to pest and virus pathogens
- ❖ 50% higher yield over open cultivation
- ❖ Microclimate due to shade net abates abiotic stresses and weed intensity

##### Economics

	Shade net (35%)	Open
Sweet pepper		
Yield (t/ha)	: 95.32	15.3
B : C	: 3.85	1.58
Paprika		
Yield (t/ha)	: 9.32	1.35
B : C	: 2.66	1.26



#### 5. SOIL TEST BASED IPNS FOR VEGETABLE CROPS



##### Details of technology

- ❖ The Soil Test based Integrated Plant Nutrient Supply System (IPNS) aims at achieving higher yield by balanced fertilisation through conjoint use of mineral fertilizers, organic manures and bio- fertilizers to meet the crop nutrient requirement. IPNS for vegetable crops not only helps in reducing cost of the chemical fertilizers but also maintains soil health.

##### Benefits

- ❖ The cost on fertilizers can be reduced.
- ❖ Efficiency of fertilizer use can be increased.
- ❖ Least adverse effect on environment by minimizing nutrient losses, maintaining soil productivity and sustaining high yield even under varying soil, climate and agro ecological set up.

##### Economics

- ❖ In vegetables, if Integrated Nutrient Management is adopted, a profit of Rs.1,41,600/- in carrot, Rs.36,000/- in potato, Rs.46,000/- in cauliflower, Rs.53,000/- in cabbage can be obtained than the general recommendation of fertilizers





## 6. BOTANICAL FORMULATION “ILAMATHI” FOR HIGHER SILK YIELD



the ilamathi is to be dissolved in five litres of water.

- ❖ Spray fluid is to be applied uniformly over mulberry shoots / leaves (in tray rearing) with the help of a garden sprayer and allowed to dry for 30 minutes. Treated leaves are given as the first feeding for the two days old fifth instar.

Caution: Don't postpone the ilamathi application beyond second day of fifth instar

### Details of technology

- Product : TNAU botanical formulation “ilamathi”
- Container size : 10 ml per vial
- Time of application : 2<sup>nd</sup> day of fifth instar larvae
- ❖ TNAU botanical formulation 'ilamathi' is available in 10ml vials.
  - ❖ For 100 dfls of silkworm larvae, five ml of

### Benefits

- ❖ TNAU botanical formulation is safe to silkworms and it would not hinder the growth and development of the larvae.
- ❖ It acts as a phyto-juvenoid and improves cocoon yield by 8kg/100 dfls
- ❖ Besides, the formulation also confers protection against grasserie disease of silkworm larvae.

### Economics

Sl.No.	Treatment	Yield / 100 dfls (kg)	Price / kg	Value (Rs.)
1.	Ilamathi treated	64.46	100.00	6446.00
2.	Control	55.98	100.00	5598.00
<b>Added return</b>				<b>848.00</b>

Partial budgeting of ilamathi application

Added cost : Rs.165.00

Added return : Rs.848.00

Net gain : Rs.683.00

Incremental cost benefit ratio (ICB) : 1:5.14



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## 7. MASS MULTIPLICATION OF BAMBOOS



### Details of technology

- ❖ Bamboos are the versatile trees, which flowers only once in its life cycle (40-60 years) and dies. Hence, seed availability is very less at the same time the seeds are less viable. This difficulty promoted bamboo propagation through two nodal culm cutting with rooting hormone treatment. This conventional technique accounts only less than 25 percent success rate. The present technology is developed using entire culm without rooting hormone treatment and achieved 90 percent rooting.
- ❖ Remove one year old culm from the matured mother clump at 5-10 years growth stage. Care should be taken to remove the culm without damaging the culm as well as mother clump. The removed culm should be delimbed carefully by leaving growing buds in the nodes. Then, the culm should be placed it in the raised nursery bed and covered with loose soil and sand mixture for half inch thickness. After providing adequate shade to the culms in the nursery bed with coconut sheaths or rice straw, watering should be done to field capacity. Watering twice a day should be continued and shoot emergence will be observed after one month from all buds present in all nodes of the entire culm. Continue watering up to three months. The root emergence could be observed in 2-3 months. After rooting, the rooted culm should be removed entirely from the soil without any damage. To facilitate uprooting the rooted culms without

damage, watering should be done. Each rooted node with shoots should be separated with small hand saw. The separated cutting can be transferred to poly bag (filled with mixture of red soil + sand + FYM in 1:1:1).

### Benefits

- ❖ The technology has been developed without using any rooting hormonal treatment. Hence it is a very easy technology to be adopted by the farmers and other stake holders.
- ❖ This technology is the most cost effective technology for rooting of bamboo with high success rate and it will not require costly and advanced infrastructure like mist chambers etc.
- ❖ This is a very simple technique which can be easily followed by farmers without the help of technical experts
- ❖ Very simple and easy technology that can be confidently used for large scale multiplication of bamboo, because the success rate is more than 90 percent
- ❖ Since this technology does not involve any chemical treatment, it is not only cost effective but also environmental friendly
- ❖ In nutshell, this is the only simplest technology available to multiply bamboo on commercial scale

### Economics

Expendi ture	Existing technology Cost (Rs.)	Improved technology Cost (Rs.)
Fixed cost	8089	2704
Variable cost	7667	7975
Total cost	15756	10679
Total revenue	8750	14,000
B:C Ratio	0.56	1.31





## 4.2. AGRICULTURAL CROPS (FOR ADOPTION)

### RICE

#### Crop management

LCC based N management for transplanted rice

Application of 25 kg N ha<sup>-1</sup> at 7 DAT followed by N @ 40 kg ha<sup>-1</sup> based on LCC (cv 4) monitored from 14 DAT is recommended.

Recommendation of P&K fertilizer rates based on Site Specific Nutrient Management (SSNM) approach for rice growing tracts of Tamil Nadu (other than Cauvery Delta)

Sl.No.	Location	Calibrated SSNM fertilizer dose (kg/ha)*	
		P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
	Coimbatore	30	40
	Killikulam	30	50
	Trichy	35	50
	Ambasamudram	40	50
	Bhavanisagar	20	25
	Paiyur	25	45
	Yethapur	30	45
	Aruppukottai	20	30
	Cuddalore	30	50

\* The above SSNM based fertilizer P and K arrived based on yield response are recommended for specific soil series prevailing in different rice growing areas for adoption by farmers

#### Elite seedling production under modified rice mat nursery

Seed fortification with 1% KCl, mixed with native soil and powdered DAP @ 2 kg/cent, Pseudomonas @ 240 g./cent followed by drenching with 0.5% urea

solution on 9 DAS is recommended.

#### Integrated weed management for single crop of transplanted rice

Pre emergence application of butachlor 0.75 kg per hectare + bensulfuron methyl 50 g/ha on 3 DAT followed by mechanical weeding on 45 DAT is effective for broad spectrum weed control.

#### Integrated weed management for rainfed seed drill sown rice

Seed drill sowing with pre-emergence application of pretilachlor + safener @ 0.3 kg/ha followed by two weedings with star / rotary weeder is recommended

#### Crop protection

##### Management of rice blast and sheath blight with Azoxystrobin (Amistar 25 SC)

A new compound derived from mushroom viz., Azoxystrobin (Amistar 25 SC) @ 500 ml/ha was found as an alternate chemical for the recommended fungicide Carbendazim, in the management of blast and sheath blight of rice. It reduced the severity of blast (63.3 % reduction) and sheath blight (56.9% reduction) and increased the yield (42.5%) with a CB ratio of 1:5.5 as compared to untreated check.

Azoxystrobin (Amistar 25 SC) @ 500 ml/ha is recommended for the management of rice blast and sheath blight.

##### Management of leaf folder and sheath rot with Super Pseudomonas

Application of super *Pseudomonas* (consortia of Pf 1 + TDK 1+ PY 15) as treatment and soil and foliar spray @0.5 % is recommended for the management of major pests and diseases seed.

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## MILLETS AND FORAGE CROPS

### Crop protection

#### Zimmu formulation for the management of grain mould disease in sorghum

Field trials were conducted to study the effect of foliar application with a formulation of Zimmu in the management of grain mould in sorghum. The plants were sprayed with Zimmu 50 EC formulation at 0.1 and 0.3 per cent on 60, 75 and 90 days after sowing using a low volume sprayer. Plants mock-treated with the EC formulation without active ingredient was kept as control. An untreated control was also maintained.

The result indicated that foliar application of 50 EC formulation of Zimmu at 0.3 per cent concentration on 60, 75 and 90 days after sowing effectively reduced the incidence of grain mould with a mean

grade of 1.76 and significantly increased the grain yield (2080 kg/ha) with a C: B ratio of 1:1.96 compared to 1:1.68 in the standard fungicide treatment.

#### Management of grain mould in sorghum

Foliar application of Zimmu 50 EC @ 0.3% at 60, 75 and 90 days after sowing is recommended for the management of grain mould in sorghum.

#### IPM module for the management of sorghum pests

Early sowing (immediately after the onset of monsoon) with higher seed rate of 20 kg/ha treated with imidacloprid @ 5 g/kg followed by spraying of NSKE 5% on 45 DAS is recommended for the management of insect pests of sorghum.



## PULSES

### Crop management

#### Economizing the use of micronutrients through seed treatment for blackgram and greengram

Seed coating with biofertilizers and micronutrients viz., Zn, Mo & Co @ 4, 1, 0.5 g/kg of seed is recommended.

#### Sulphur source for pulses

Gypsum is found to be the cheapest and effective sulphur source for pulses.

#### Stress tolerant Rhizobium strains for pulses

The Rhizobium cultures CRU 7 and VRU7

are the efficient strains for calcareous and acid soils, respectively.

#### Nitrogen substitution by organic sources for pulses

50 per cent nitrogen can be substituted through organic source (850 kg of vermicompost per hectare).

#### Intercropping of castor with blackgram under rainfed situation

Intercropping of castor + blackgram @ 1:2 ratio is recommended

Intercropping system	Yield (kg/ha)		Return (Rs.)
	Castor	Component	
Castor + Blackgram (1:2)	2889	766	52218/-
Castor + Groundnut (1:4)	2595	1099	35317/-





## OIL SEEDS

### Composting technology for sunflower and sesame stalks

- ❖ Collection of sunflower and sesamum stalks
- ❖ Shredding the stocks in the shredder (with a capacity of 150 kg per hour) to a size of 2.5 cm.
- ❖ Add urea @ 2 kg / ton of waste to and TNAU composting inoculums @ 2 kg / ton and mix with 40 litres of water to make it slurry
- ❖ Apply the microbial slurry uniformly over the shredded materials and form a heap to a height of 3 feet.
- ❖ Moisten the heap with 50% moisture throughout the composting period
- ❖ Turn the heap once in 15 days
- ❖ The composting period is 90-105 days



## COTTON

### Crop Management

#### Drip fertigation for Bunny Bt cotton

Drip fertigation with 90:45:45 kg NPK/ha with 7 days interval is recommended for achieving maximum seed cotton yield in Bunny Bt cotton during the winter season.

#### Split application of nutrients for summer irrigated cotton

For summer irrigated cotton, soil application of NPK in two equal splits at 45 and 60 DAS is recommended.

#### Subsoil application of coirpith mulch

The tractor operated coirpith applicator is recommended for application of coirpith in subsoil to ensure moisture availability to cotton.

## 4. Bio-inoculant for cotton

Use of co-cultured inoculant of Azospirillum + PSB + PPFM @ 2.2 kg/ha each is recommended along with recommended dose of NPK. This saves 25 % of N and P requirement of cotton.

### Weed management

Broad leaved weeds and sedges can be effectively controlled with application of Trifloxysulfuron @ 10 g/ha on 15 DAS



## SUGARCANE

### Crop management

#### Sugarcane detrasher

The sugarcane detrasher (TNAU model) reduces the labour cost by 50% besides, reducing the drudgery involved in hand detrasing.

#### Biofertilizer mixture for sugarcane

Application of mixture biofertilizer Azophos and Acetophos along with 100% NPK registered higher cane yield.

#### Planting method suitable for mechanization under surface irrigation

Planting with 120 cm row space and double side planting is recommended under surface irrigation. This is comparable with 60 cm spacing. This method is suitable for all mechanical operations.

### Crop protection

#### Field effectiveness of the predator, *Dipha aphidivora* against sugarcane woolly aphids

*Dipha aphidivora* predator can directly be advocated @1000/ha twice at 15 days interval for the management of SWA.





## COCONUT

### Crop management

#### Crops suited for inter cultivation with coconut

Region	Suitable combinations	Additional net income (Rs./ha)
Anaimalai block	Coconut (175) + Cocoa (500)	30,000
Entire western region	Coconut (175) + banana (750)	20,000

#### Fertilizer recommendation for oil palm

Application of fertilizer @ 1200 : 600 : 2700 g NPK /palm/ year is recommended



## NON CROPS

#### Design for groundwater recharge

Groundwater recharge Injector shaft (GRIS), an original design by WTC, TNAU as passed on to the State Department of Agricultural Engineering for adoption towards

artificial recharge programme, with an expected radius of influence of one kilometer from the point of installation.



### 4.3. HORTICULTURAL CROPS (FOR ADOPTION)

#### Crop protection

##### Management of coleus root rot disease using eco-friendly bio-formulation (Pseudoplus+VAM)

For the management of coleus root rot disease caused by *Macrophomina phaseolina*, dipping of coleus cuttings in Pseudoplus + VAM mixture (1:1 w/w) (2g/lit) followed by soil application @ 2.5 kg/ha at basal, 30<sup>th</sup>, 60<sup>th</sup>, 90<sup>th</sup>, and 120<sup>th</sup> days after planting effectively reduced the coleus root rot incidence (51.73 %) against the control which recorded 85.24 per cent and increased the yield (six fold, 5634 kg/ha) with the cost benefit ratio of 1:2.44.

Dipping of coleus cuttings in Pseudoplus + VAM mixture (1:1w/w) (2g/lit) followed by soil application @ 2.5 kg/ha at basal, 30<sup>th</sup>, 60<sup>th</sup>, 90<sup>th</sup>, and 120<sup>th</sup> days after planting effectively reduced the coleus root rot incidence.

##### Management of rhizome rot of turmeric

For the management of turmeric rhizome rot, consortia of *P. fluorescens* + *T. viride* as ST (10g/ Kg) + SA (2.5 Kg/ha) as basal and top dressing (150 DAP) recorded lowest disease incidence (3.55 %) and maximum C:B ratio of 1:3.0.

##### Waiting period of insecticides for vegetable crops

The safe waiting periods for the harvest of chilli, cucumber and tomato after application of azoxystrobin have been worked out to be 9,3 & 2 days for the recommended dose and 15,4 & 3 days for double the recommended dose respectively.





## BREEDER SEED PRODUCTION

In order to supply quality certified seeds to the farming community and to support the Department of Agriculture and the Seed Industry, Tamil Nadu Agricultural University is supplying breeder's seed for further multiplication and distribution. In addition,

breeder seed indents of other states were also met through GOI indent. During the year 2006-2007, against the total targeted indent of **2,09,010 kg** of breeder seeds, **2,10,591 kg** have been supplied as detailed below.

Crop/ Variety	STATE			GOI*		PRIVATE		TOTAL	
	Advance Indent	Finalised indent	Actual Supply	Indent	Supply	Indent	Supply	Indent	Supply
PADDY	8668	11975	20920	3400	250	70870	78322	99064	99492
MILLETS	116	377	898	-	-	596	785	885	1683
PULSES	11400	3892	10167	-	30	148	1605	14023	11,802
OILSEEDS	57435	79110	81274	11562	14595	392	927	94322	96797
COTTON	364	503	450	-	-	-	296	461	746
FORAGE CROPS	299	-	61	-	10	-	-	-	71
VEGETABLES	-	-	-	-	-	254	254	254	254
<b>TOTAL</b>	<b>78282</b>	<b>95857</b>	<b>113771</b>	<b>14962</b>	<b>14885</b>	<b>72260</b>	<b>82190</b>	<b>209010</b>	<b>210591</b>



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## 4.4. FORESTRY (FOR ADOPTION)

- ❖ *Melia dubia* has been recommended to adopt as a pulpwood, due to its higher pulp yield. The species exhibited the pulp yield of 50% and above coupled with a kappa number of less than 20. The species also expressed superior fibre strength properties viz., tear index (5.04 mNM<sup>2</sup> / g unrefined & 10.60 mNM<sup>2</sup> / g refined) , tensile strength (33.60-unrefined & 86.000 Nm/g) and burst index (1.80 KPa M<sup>2</sup>/g unrefined & 5.90 KPa M<sup>2</sup>/g refined). Trees are available in dry and moist deciduous forest and also forest lands of State. Seedlings are available at a cost Rs. 5/ seedlings at the Forest College and Research Institute, Mettupalayam. As much as 444 seedlings can be planted in one acre and the period of crop rotation is four years. Expected clientele are farmers and paper industries.
- ❖ Two clones of *Casuarina equisetifolia* viz., FCRI-4 (37 tonnes/acre) and FCRI14 (40 tonnes/acre) were recommended for adoption at a planting density of one thousand per acre coupled with a rotation of thirty months. Clones are available at cost (Rs. 4/ ramet) at the Forest College and Research Institute, Mettupalayam.
- ❖ Intercropping cowpea and balckgram in *Jatropha curcas*



## 4.5. CENTRE FOR PLANT MOLECULAR BIOLOGY

### Plant molecular biology & biotechnology

- ❖ Three SGR1 Golden rice events were hybridised with ASD16 and ADT43 with a view to introgressing phytoene synthase and phytoene desaturase genes. The F<sub>1</sub>s were confirmed by PCR analysis (gene specific PCR and event specific PCR). The true F<sub>1</sub>s (plants positive for *psy* and *crtI*) were backcrossed with respective recurrent parent(s) to generate BC<sub>1</sub>F<sub>1</sub>s. The positive plants among BC<sub>1</sub>F<sub>1</sub>s were checked through PCR using transgene specific primers and also confirmed through analysis with event specific PCR primers. The positive plants thus identified were then subjected to background selection to identify the plant possessing maximum recurrent parent genome introgression. The best positive BC<sub>1</sub>F<sub>1</sub> plant is being backcrossed with respective recurrent parent(s) to generate BC<sub>2</sub>F<sub>1</sub>s.
- ❖ Rice recombinant inbred lines CB (MAS) 20001 (cross combination of IR50 x *O. glaberrima*, a high yielding and tolerant to WBPH) and CB (MAS) 26004 (cross combination of CO43 x W1263, high yielding and moderately resistant to yellow stem borer), isolated from the mapping population developed for mapping the genes controlling WBPH resistance and yellow stem borer resistance were recommended for Initial Varietal Trial Irrigated Mid Early (IYT IME) and AICRIP trial, respectively.
- ❖ A chimeric *cry2Ax1* gene of Bt was made using two different *cry2A* genes which were cloned from indigenous isolates of Bt. The chimeric *cry2Ax1* protein isolated from recombinant strain of Bt showed about 20- fold higher toxicity than the *cry2Ab* protein to the cotton bollworm, *Helicoverpa armigera*. Hence an application has been made for getting patent to the chimeric Bt gene of TNAU. A synthetic gene was made based on the amino acid sequence of chimeric *cry2Ax1* protein with plant preferred codons. A new plasmid, p2AxP1, harbouring codon optimized *cry2Ax1* gene of Bt under the control of CaMV35S promoter was constructed for expression of *cry2Ax1* gene in plants.
- ❖ Eggplant Event 1, carrying *cry 1 Ac* gene was crossed with elite brinjal varieties, CO2, MDU1, PLR1 and KKM1 to produce F<sub>1</sub> plants. The crosses were made at Mahyco, Jalna and F<sub>1</sub> seeds were obtained. F<sub>1</sub> plants were grown in transgenic greenhouse. These plants



were used as male parents and crossings were made with respective recurrent parents (CO2, MDU1, PLR1 and KKM1), as female parents. BC<sub>1</sub>F<sub>1</sub>, BC<sub>2</sub>F<sub>1</sub> and BC<sub>3</sub>F<sub>1</sub> progeny plants were generated. BC<sub>3</sub>F<sub>1</sub> progenies were raised, the positive plants were identified based on flow-strip method and the BC<sub>3</sub>F<sub>1</sub> seeds were harvested. About 100 progenies that express *cry1Ac* were maintained in each of the four cross-combinations. Among these positive BC<sub>3</sub>F<sub>1</sub> plants, a few plants were selected for selfing to produce BC<sub>3</sub>F<sub>2</sub> seeds. The varieties of Bt brinjal viz., CO2, MDU1, PLR1 and KKM1 will be released during the year 2008.

- ❖ The *cry 2Aa*, *cry 2Ab* and *cry 2Ac* proteins were isolated from recombinant Bt strains and were evaluated against the brinjal shoot and fruit borer *Leucinodes orbonalis*. It was observed that the *cry 2Aa* protein was found excel than the other two proteins. Based on the LC<sub>50</sub> values, the toxicity of *cry 2Ac* and *cry 2Ab* was 1.6 and 1.9 times less than the *cry 2Aa* protein, respectively.



#### 4.6. DIRECTORATE OF PLANNING AND MONITORING

The Directorate of Planning and Monitoring, functions as an independent unit since January 2003. The major focus of this directorate is on planning, monitoring and evaluation of various university development programmes and activities of the university. The important mandates of this office are as follows:

The directorate of Planning and Monitoring, acts as a liaison unit between the university and the state and central government departments. This directorate processes new research scheme proposals for getting funds under five year plan budget from the government and takes steps for implementing various schemes for the benefit of the farming community. Also, the Directorate, monitors the state plan schemes and report the financial and physical progress of the schemes to the state government periodically.

This Directorate processes various venture capital scheme proposals and recommend to the Vice-Chancellor for sanction of funds. Also it monitors the physical and financial progress of these schemes.

#### Agricultural microbiology

- ❖ Spraying of Pink Pigmented Facultative Methyloph (PPFM) for rice: Foliar spray of PPFM @ 500 ml in 500 lit of water (ha) at Panicle initiation and flag leaf stages mitigated terminal drought tolerance in rice

#### Bio-chemistry

- ❖ The jackfruit cysteinyl proteinase inhibitor (cystatin) showed trypsin (serine proteinase) inhibitor activity. The inhibition is non competitive. The N-terminal amino acid sequence of the cystatin is GQVRDDDRR., which showed no homology with know proteinase inhibitors.
- ❖ A tissue culture method to regenerate green gram plant (Var. Vamban 2) through somatic embryogenesis has been established. The protocol is reproduceable with high percentage recovery of plants.

The consultancy proposals received from individual scientists / institution of Tamil Nadu Agricultural University are processed and recommended to the University for approval.

The Directorate shoulders the responsibility in preparing the annual report of the university both in Tamil and English and submit to Government of Tamil Nadu before the budget session of legislative assembly every year.

Various activities and happenings in the University are brought to the information of our stakeholders by way of TNAU News Letter, published every month.

#### Part II plan schemes

Research project proposals on important field oriented problems are prepared, prioritized and submitted to government for funding under Part II plan scheme. During 2006-07, 4 schemes were sanctioned by the Government of Tamil Nadu with a budget outlay of Rs.4.52 crores. Major share of the funds went to the



demonstration of precision farming in different districts and capacity building of extension personnel.

### Venture capital scheme

**T** This is an innovative programme implemented in TNAU for the past 4 years with the twin objectives of helping the farmers to provide quality agricultural inputs (like seeds, seedlings, cuttings, grafts, bio-inoculants, vermicompost, biofertilizers, biocontrol agents, coconut tonic, advisory services etc.) and to generate revenue to the University. The scheme operation expenditure is met from the development fund of TNAU which has to be repaid within three years from the sanction of the scheme.

During this year (2006-07), 37 schemes were sanctioned with a budget of Rs.61.07 lakhs. Totally 87 venture capital schemes are operated in TNAU since 2003 with a budget of Rs.108.41 lakhs.

### Consultancy services

**N** Consultancy services are regularly offered by TNAU scientists to the farmers, agripreneurs, institutions, industries etc. This service is coordinated and monitored by this Directorate. The technical 'know how' and 'do how', a prerequisite for making agriculture a commercial venture is provided by the scientists of TNAU and the fees paid by the clients is shared by the University and the scientists. About 41 consultancy projects were undertaken during the year 2006-07 with eight major industries.

### Manpower planning

**A** Scientists appointed during year 2004 to meet the demand of technical manpower in TNAU. During 2006-07 steps were taken to regularize these scientists.

### NAIP scheme proposals

This Directorate coordinated between the NAIP cell and TNAU. Many awareness and guidance meetings were conducted throughout TNAU and the research project proposals received from the scientists of the University were reviewed, finalized and submitted to the NAIP cell for funding.

Similarly awareness and guidance meetings were conducted for preparation of basic and strategic research project proposals and submitted to ICAR for funding.

### Reports generated

During the year 2006-2007 the Directorate of Planning & Monitoring prepared the following reports/ booklets/books.

- ❖ Monthly progress reports on plan schemes of TNAU
- ❖ Draft reports on Announcement made in the TN assembly
- ❖ Proposals for starting educational institutes and research stations in Tamil Nadu.
- ❖ Approach Paper for XI five year plan
- ❖ Details on Macro Mode Management schemes
- ❖ Budget speech on agriculture
- ❖ Governor's address
- ❖ Citizen Charter
- ❖ Policy Note on agriculture
- ❖ Midterm appraisal of 10<sup>th</sup> Five Year Plan
- ❖ Achievements of TNAU
- ❖ TNAU annual report in Tamil and English
- ❖ TNAU News Letter





## 4.7 WATER TECHNOLOGY CENTRE

Water Technology Centre (WTC) at Tamil Nadu Agricultural University (TNAU), one among the three centres of India, plays a lead role in making an assessment of the available resources of water and economic utilization for maximizing agricultural production with suitable on-farm water management practices developed for different situations. It stands foremost among the institutions devoted for water management issues in the country.

The Water Technology Centre is involved in developing package of practices for different crops with the main focal theme on increasing Water Use Efficiency (WUE) with simultaneous increase in crop production. Some of the major thrust areas given due recognition are: cropping system and scarcity water management, micro irrigation and

fertigation, watershed management, conjunctive use, water quality and waste water recycling, crop water stress management, agricultural drainage and water policy. Besides, the Centre is handling State Government aided plan schemes, international collaborative schemes, Government of India schemes, ICAR and Private Agency funded schemes.

An Advanced Training Centre presently known as Centre of Excellence for Training (CET) for dissemination of water management technologies at State / National / International level is also functioning as a part of the Water Technology Centre. It is offering short term and long term training programmes on subjects of current interest both at National and International levels.



## 4.8 CENTRE FOR AGRICULTURAL RURAL DEVELOPMENT STUDIES

The Centre for Agricultural and Rural Development Studies (CARDS) was established in 1978 as the first multi disciplinary centre of the Tamil Nadu Agricultural University to carry out research in socio economic issues concerning agricultural and rural development. Initially the Centre comprised Agricultural Economics and Agricultural Extension Departments and the Department of Agricultural and Rural Management was added to it during 2000. Ford Foundation Grant and Agricultural Human Resources Development Project (AHDRP) helped CARDS to develop the expertise in areas of resource economics, economic growth, planning and development, marketing and international trade, rural development, economic policy and related areas in rural social sciences.

The primary mandate of CARDS is to contribute for informed debate on agricultural and rural development policy-making in Tamil Nadu. However keeping in view the commitments of the TNAU and the broader vision, the faculty of CARDS have been able to focus on several issues in agricultural development at the State and Country levels. During last five years of work, the faculty members have completed more than 60 research projects and published large numbers of research papers.

The Centre is engaged in research and extension activities to generate data and

information on agricultural and rural development perspectives and priorities. One of the major ongoing research projects in this direction is the Comprehensive Scheme on Cost of Cultivation of Principal Crops in Tamil Nadu, fully funded by the Government of India. The data on various aspects of crop production are collected, computerized and analyzed for assisting the Government of India in fixing support prices for major crops.

The State Agricultural Marketing Board has instituted a Professional Chair in the Department of Agricultural Economics since 1983 to strengthen education, research and training in agricultural marketing. Currently this Chair is working with marketing issues of agri-horti commodities and Supply chain management of fruits and vegetables.

To create awareness among agricultural scientists about Trade Marks and Copyright Protection, Plant Variety Protection, Intellectual Property Rights, Types of Patents and Methods of Patenting, an unique Intellectual Property Education Research and Public Outreach Programme is carried out at this centre.

A technical cell named Domestic Export Market Intelligence Cell (DEMIC) is to disseminate real time price information and domestic and export market intelligence on agricultural commodities through radio, television and newspapers for better scientific decision-making by farming community, traders,

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firms and researchers. This type of price forecasting is the first of its kind, offered by an Agricultural University in the country. An exclusive website has been created for DEMIC both in English and Tamil for dissemination of market information ( www.tnagmark.tn.nic.in ).

Number of research projects in the field of natural resource economics, climate change, food policy, poverty, and various aspects of rural development have been taken up. Recently, CARDS has completed the preparation of perspective plan for wasteland development for all the districts of Tamil Nadu. The centre has carried out a number of projects on various policy issues to assist the state Government relating to agricultural and rural development.

The CARDS is offering the Master of Business Administration (MBA) programme and also B.S Agribusiness Management (BS(AM)) this year onwards in addition to regular B.Sc.(Ag),M.Sc.(Ag.) and Ph. D. Programmes,

which aim at synergizing technical and managerial skills in agriculture and allied fields. Policies of globalization have opened up opportunities which demands professional managerial skills in agribusiness sector.

CARDS also conducts entrepreneurship development training programmes for agricultural graduates through “Establishment of Agri-Clinics and Agribusiness Centres” sponsored by the Government of India, (Small Farmers Agribusiness Consortium, New Delhi) and implemented by the MANAGE, Hyderabad. Totally four trainings were conducted for 54 candidates out of which 21 candidates have setup Agriculture and Agribusiness centres.

To identify “rural innovations” in the farming sector and to promote the same for the outreach to other parts of the State / Country an innovative research project in collaboration with L-RAMP, USAID Foundation and IIT, Chennai is being carried out in this Directorate



#### 4.9. DIRECTORATE OF AGRI BUSINESS DEVELOPMENT

The Directorate of Agri Business Development is functioning at TNAU since February 2007. The following are the objectives and activities initiated.

##### Objectives

- ❖ To Coordinate of all agribusiness related activities within TNAU
- ❖ To strengthen market access and linkages for growers with processors, domestic distributors, exporters and importers and reinforce their capacity to meet market demand more effectively

##### Activities

- ❖ DAD identified 20 TNAU products viable for commercialization, of which six

products viz tomoato and maize hybrids, coconut tonic, Effective Microbial Extract (EME), TNAU, Panchakavya are ready for immediate market.

- ❖ Paper advertisement was given for consultancy services on farm products and technologies. Around 50 consultancy projects have been offered during 2006-07. Private Consultancy Groups and industries are approaching for consultancy Tie-up.
- \* Proposed training programme on “Entrepreneur Skill Development” for unemployed youth of farming community. Also, proposed to conduct State Level Seminar on 'Neem in Agriculture' for farmers.





## 5. DIRECTORATE OF EXTENSION EDUCATION

The Directorate of Extension Education (DEE) was started in 1972 and is primarily responsible for transfer of the latest technologies emanating from various programmes of Tamil Nadu Agricultural University to the farming community and extension personnel as detailed below:

### 1. Krishi vigyan kendras (KVKs)

Tamil Nadu State comprises of 29 ICAR KVKs and one TNAU KVK. Out of which 15 KVKs (14 ICAR KVKs + 1 TNAU KVK) belong to Tamil Nadu Agricultural University, 3 ICAR KVKs to TANUVAS, 10 ICAR KVKs to Non-Governmental Organizations (NGOs) and two ICAR KVKs to Deemed University.

The ICAR funded TNAU KVKs are located in Madurai, Sirugamani, Tindivanam, Vriddhachalam, Vamban, Virinjipuram, Pechiparai, Sandhiyur, Ramnad, Sikkal, Tirur, Needamangalam, Aruppukkottai and Pappapatti.

All the ICAR funded TNAU KVKs are under the administrative control of Director of

Extension Education, TNAU, Coimbatore. The ICAR has very recently identified the Directorate of Extension Education, (DOEE), TNAU Coimbatore a state level Monitoring Centre for all the 29 KVKs (including 12 private / NGO KVKs) functioning in the State. KVKs are functioning with the following mandates.

- ❖ To organize skill oriented vocational training to farm men, farmwomen and youth in agriculture and allied fields.
- ❖ To conduct on-farm testing in farmers' fields / holdings.
- ❖ To conduct Front Line Demonstrations (FLDs) in cereals, horticultural crops, pulses and oilseeds.
- ❖ To organize training for the field level extension functionaries of development departments
- ❖ To carry out various technologies through the extension activities for the benefit of farming communities.

### OVERALL ACHIEVEMENTS OF KVKs DURING THE YEAR 2006-07

Sl.No.	Activities	Numbers
1.	Video Modules	6
2.	Video Coverage	17
3.	Trainings	1341
4.	Skill Demonstrations	547
5.	Village Meetings	402
6.	Farm Advisory Services	3619
7.	Exhibitions	174
8.	Writing to dailies and farm magazines	227
9.	Radio programmes	163
10.	Publications	228
11.	Messages disseminated through agricultural information services	12
12.	Trainings organized for extension personnel by Training Unit	153
13.	Newsletter printed & published	4
14.	Valarum Velanmai Life membership ( 15 years ) Annual membership	533

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15.	Field day	219
16.	FLD	159
17.	OFT	77
18.	Farmers' Day (State Level)	4
19.	Kisan Calls attended	2573
20.	ISOPOM Pulses	15
21.	ISOPOM Oilseeds	13
22.	ISOPOM Maize	3
23.	FFS Cotton Demonstration	180
24.	ICDP SRI	2
25.	ICDP IPM	2
26.	Farmers study tour	15
27.	SUBACS - Sugar beet demonstrations	2
28.	Collaborative trainings	21
29.	Monthly zonal meetings	156
30.	Farm science club formed	32
31.	Joint field visit	241
32.	Village Campaign	120
33.	Farmers' Fair	2

### Krishi vigyan kandra (KVK), Coimbatore

The KVK located at Coimbatore is responsible for the periodical training of the extension workers and farmers, organizing field days, demonstrations, farmers day, rendering farm advisory service etc.,

### Highlights of activities during 2006-07

#### Training to Pro-Deputy Collectors:

Five days training to two batches of Pro Deputy Collectors, Government of Tamil Nadu were conducted from 19.06.06 - 23.06.06 and 25.09.06 - 29.09.06. Twenty Pro-Deputy Collectors attended the training programme.

#### Agri Intex- 2006:

Participated in the Agri Intex-2006 organized by CODDISSIA from 08.09.06 - 13.09.06. The KVK, Coimbatore organized the exhibition in connection with Agri Intex-2006. All the Directorates participated in the Agri Intex by exhibiting their products and findings. In

addition, five seminars on various topics like Contract farming, Successful Entrepreneurs day, Organic farming, Animal husbandry and Farm Mechanization were also arranged.

#### Exhibition:

An exhibition on 28.06.06 in connection with the 27<sup>th</sup> convocation at the Technology park of TNAU, Coimbatore was arranged. The displays were on latest TNAU varieties, latest technologies and farm machineries. Honourable Minister for Agriculture, Government of Tamil Nadu, Finance Secretary to Government of Tamil Nadu, Director of Agriculture and members of Board of Management Studies visited the exhibition.

An Exhibition in connection with the scientific workers conference-2006 was arranged at Kalaingar Arangam for two days on 28.09.06 and 29.09.06.

An Exhibition in connection with the 8<sup>th</sup> Agricultural Science Congress was arranged in

Technology park-2 for 3 days from 15.02.07  
17.02.07

#### **Farmers' day:**

An Exhibition in connection with the release of new varieties, implements and management technologies by the Honorable Minister for Agriculture, Government of Tamil Nadu was arranged at Sandhiyur during last week of October 2006.

#### **Farmers' training:**

Two hundred farmers of Siva Ganga district were trained in four batches on the latest technologies in Agriculture and Horticulture under the Rashtria Vikas Yojana Scheme during the month of August 2006.

Two hundred farmers of Gingee, Villupuram District were trained on the latest production technologies during the month of November and December 2006. The training was funded by the Community Development Scheme of an NGO, World vision.

#### **Training to Horticulture consultants of TANHODA under NHM:**

Training to Horticulture officers of TANHODA was organized for five days in six batches of 50 consultants each at the Directorate of Extension Education. More than 300 consultants were trained under this training programme during February March 2007.

#### **Training to Agricultural Officers:**

Two state level training programmes for 3 days on Sugar beet and Pulses were organized for the benefit of Agriculture officers during March 2007. Two hundred Agriculture officers attended the training programme.

#### **Training School Children:**

Two IPM training programmes to school children studying in Class X were organized at Government Higher Secondary School, Annur and Avinashi during March 2007. More than 200 Children attended the training Programme.

## **2. Training division**

The Training Division which was established in late 80s has given training to the official from Development Departments.

### **Highlights of activities during 2006-07**

#### **ISOPOM training on pulses :**

Two days training on "Pulses production"

to two batches of Agricultural extension personnel, Government of Tamil Nadu were conducted on 17<sup>th</sup> & 18<sup>th</sup> April and 28<sup>th</sup> & 29<sup>th</sup> April, 2006. Fifty eight and sixty Officers attended the training programme respectively.

#### **ATMA training :**

A five days training programme on Masters Trainers training on the preparation of Strategic Research and Extension Plan (SREP) was conducted in collaboration with MANAGE, Hyderabad and Tamil Nadu Watershed Development Agency (TAWDEVA), Chennai to 30 extension functionaries, Govt. of Tamil Nadu from 29.05.2006 to 02.06.2006.

#### **ISOPOM training on maize :**

Four batches of extension personnel, Govt. of Tamil Nadu attended two days training programme on "Maize Cultivation" on 13<sup>th</sup> & 14<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup>, 20<sup>th</sup> & 21<sup>st</sup> and 22<sup>nd</sup> & 23<sup>rd</sup>, June, 2007. A total of 121 Officers participated in the training programme.

#### **Input dealers training :**

A three days training programme on "Recent Technologies in Agriculture" was conducted in collaboration with Mangalore Chemical & Fertilizers, Ltd. (MCF) to 24 input dealers from Tamil Nadu from 03.07.2006 to 05.07.2006.

#### **Participatory irrigation management :**

A five days Training and Exposure visit on "Participatory Irrigation Management" was conducted in collaboration with India Network on Participatory Irrigation Management (INPIM), New Delhi and Institute of Resource Development and Social Management, Hyderabad from 18.07.2006 to 22.07.2006 to 35 UP farmers.

#### **Pubic-private partnership training:**

A three days Training programme on "Public-Private Partnership for Agricultural Development" was conducted in collaboration with MANAGE, Hyderabad to 30 participants from 14.12.2006 to 16.12.2006.

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### Farm mechanization extension training:

A training programme on "Farm Mechanization Extension" was organized for five days to 30 extension functionaries of Tamil Nadu, Kerala & Karnataka in collaboration with MANAGE, Hyderabad from 29.01.2007 to 02.02.2007.

### HRD Capacity building:

Two programme for two days on "HRD-Capacity Building Workshop" for 40 KVK Scientists were organized on 1<sup>st</sup> & 2<sup>nd</sup> and 22<sup>nd</sup> & 23<sup>rd</sup> March, 2007.

### 3. Farmers' field school

The objective of this scheme is to demonstrate latest crop production technologies to participating growers in their own village, identification of field related problems, incidence of insect and disease damage and adoption of remedial measures, to know more about IPM, quality of cotton and to train 8,000 growers in the field of modern technologies and varieties for one year.

During 2006-2007, 400 FFS with a budget of Rs. 68 lakhs were allotted to different KVKs. Out of 400 FFS, 200 FFS were conducted during winter season at Coimbatore (60 FFS), Salem (70 FFS), Perambalur (20 FFS), (KVK, Sandhiyur), Dharmapuri (40 FFS), Vellore (10 FFS), (KVK, Virinjipuram). The remaining 200 were conducted during Summer season of 2007 at Namakkal (20 FFS), Erode (20 FFS), KVK, Sandhiyur), Theni (20 FFS), Virudhunagar (40 FFS), (Aruppukottai), Tirunelveli (20 FFS), Ramnad (20 FFS), (KVK, Ramnad), Tanjore (20 FFS), Thiruvarur (20 FFS), and Nagapattinam (20 FFS), KVK, Needamangalam.

Due to implementation of this scheme awareness was created among the farmers. As a result quantity of pesticides used by the farmers has been reduced

which resulted in reducing the cost of production of cotton. The yield was increased to 1-2q/ acre. Farmers get 15-20% higher price than the market price.

### 4. Agricultural Technology Information Centre (ATIC)

ATIC functioning under the Directorate of Extension Education has disseminated many agricultural technologies to the farming community. The relevant agricultural inputs are also distributed to the farming community through the ATIC Centre.

### Valarum velanmai

'Valarum Velanmai', the Tamil monthly magazine of Tamil Nadu Agricultural University is being published from the Directorate of Extension Education, TNAU, Coimbatore 3 for the benefit of the farming community. There were 4828 annual subscribers, and 7682 life subscribers. During the year 2006-07, a total of 4828 and 491 enrolled for new annual and fifteen years subscription respectively.

From the month of January-2007 onwards, the Valarum Velanmai magazine has been face lifted in its quality with map litho printing and art cover page that attracted more number of subscribers.

The annual and fifteen years subscription rates have been increased from Rs.50.00 to Rs.75.00 and Rs.500.00 to Rs.750.00 respectively from September-2006 onwards. The price of single copy of Valarum Velanmai was also increased from Rs.5.00 to Rs.7.00 from September -2006 onwards.

Two special issues of Valarum Velanmai viz., KVKs' special and Precision Farming special were published during January '07 and March '07 respectively



## APPENDIX - I

### CIVIL WORKS COMPLETED (2006 - 2007)

Sl.No.	Name of Works	Estimate Amount
1	Repairing the chairs in Anna Auditorium at TNAU, Coimbatore	328000.00
2	Construction of new building for Bio-Tech and Bio-Informatics lab (GF) for the Department of CPMB in TNAU, Coimbatore	8500000.00
3	Renovation of Anna Auditorium in TNAU, Coimbatore	950000.00
4	Providing flooring to the Administrative building at KVK, AC & RI, Madurai	220000.00
5	Repairs and renovation works in RBGRC - ICAR building in TNAU, Coimbatore	134169.00
6	Construction of shade house in RBGRC - IARI in TRRI, Aduthurai	210000.00
7	Providing PVC water tank and supply pipe to the Vice-Chancellor's office in TNAU, Coimbatore	150000.00
8	Renovation works to North house at TNAU, Coimbatore	275000.00
9	Renovation in the toilets in Swimming pool at TNAU, Coimbatore	180000.00
10	Repair works for the existing Drain in play ground in TNAU, Coimbatore	125000.00
11	Construction of contained open field facility to take up crossing works at PBS at TNAU, Coimbatore	250000.00
12	Providing pandal arrangements for the XXVII Convocation in TNAU, Coimbatore	145272.00
13	Providing name board in front of the Vice-Chancellor's Chamber in TNAU, Coimbatore	120000.00
14	Construction of shed for Paddy processing unit at VRS, Palur	100000.00
15	Providing internal and external electrification to the block II of old Engg. Hostel in TNAU, Coimbatore	210000.00
16	Providing water supply and sanitary arrangements to the toilets in old Engg. Hostel block II at TNAU, Coimbatore	650000.00
17	Renovation works to the toilets block in old Engg. Hostel block I at TNAU, Coimbatore	700000.00
18	Renovation works in old Engg. Hostel block No. II at TNAU, Coimbatore	1000000.00
19	Providing water supply and sanitary arrangements to the Old Engg. Hostel block No. I at TNAU, Coimbatore	900000.00
20	Sewage pumping work from redfort hostel to main sewer line near Professor quarters at TNAU, Coimbatore	450000.00
21	Renovation works to the KVK farmers hostel building in TNAU, Coimbatore	200000.00
22	Repairs and road formation work in TNAU campus in TNAU, Coimbatore	160000.00
23	Construction of New hostel office (East wing) in TNAU, Coimbatore	1000000.00
24	Providing U.G cable power supply and computer plug point to the communication lab at Directorate of Students welfare, TNAU, Coimbatore	100000.00
25	Special repairs to the fencing work around oil Palm Garden at North Farm at TRRI, Aduthurai	180000.00

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26	Strengthening the fencing in north and west boundary of ne area for the Department of Millets in TNAU, Coimbatore	100000.00
27	Finishing works to computer lab at AEC & RI, TNAU, Coimbatore	300000.00
28	Providing RCC roof slab to the entrance of the existing computer lab in AEC & RI, TNAU, Coimbatore	255000.00
29	Providing electrification for the 6 Nos of Staff quarters at KVK, Tindivanam	233000.00
30	Providing electrification for the Farmers hostel building at KVK, Tindivanam	155000.00
31	Providing electrification for the Administrative building at KVK, Tindivanam	229000.00
32	Providing electrification work for the six number of staff quarters at KVK campus, Sandhiyur	233000.00
33	Providing electrification work for farmers hostel at KVK, Sandhiyur	155000.00
34	Construction of International students hostel (2 blocks) in TNAU, Coimbatore	9500000.00
35	Construction of Thrashing floor with roof at South block at ARS, Bhavanisagar	350000.00
36	Construction of Farmers hostel (Weathering course painting and other finishing works) at KVK, Virinjipuram	745000.00
37	Providing electrification works for the Farmers hostel at KVK, Virinjipuram	155000.00
38	Providing electrification works for the six Nos. of staff quarters at KVK, Virinjipuram	233000.00
39	Providing electrification work for the Administrative buildings at KVK, Virinjipuram	229000.00
40	Providing chain link fence to the farm No. II at ARS, Vaigai dam	492000.00
41	Providign chain link fence to the farm No. I at ARS, Vaigai Dam	400000.00
42	Providing pressed tiles in the open terrace for drying yard at ARS, Vaigai dam	130000.00
43	Construction of additional rooms in FF of North house in TNAU, Coimbatore	700000.00
44	Construction of Portico in front of the Vice-Chancellor's office in TNAU, Coimbatore	550000.00
45	Construction of New building for students hostel -cum-dinning hall in TNAU, Coimbatore	9500000.00
46	Construction of New building for seed storage, lab and training hall in TNAU, Coimbatore	4000000.00
47	Construction of Bio-Control and Plan Pathology lab in TNAU, Coimbatore	4100000.00
48	Construction of Millet and oil seeds lab in TNAU, Coimbatore	2700000.00
49	Construction of seed godown at ARS, Bhavanisagar	3000000.00
50	Repair works of the glass hose at PBS at TNAU, Coimbatore	150000.00
51	Construction of seed godown and seed sample in Pungar block at ARS, Bhavanisagar	1300000.00
52	construction of threshing floor at AC & RI, Madurai	350000.00
53	Providing pipe line connection from solar water heater to 1909 Guest house (Neat north house Ground floor TNAU, Coimbatore )	148000.00
54	Strengthening of compound wall of orchard west side at TNAU at Coimbatore	200000.00



55	Providing electrical works to Administrative building at KVK, AC & R, Madurai	315000.00
56	Providing electrical fittings in the newly constructed Plant Pathology building in TNAU, Coimbatore	230000.00
57	Construction of six Nos. of Staff quarters (First floor and second floor) at KVK, Virinjipuram	1000000.00
58	Special repairs to the staff quarters at ARS, Bhavanisagar	342000.00
59	Construction of Administrative building (Finishig works) at KVK, Vinjipuram	1000000.00
60	Construction of processing hall for modernized seed proceesing unit involving combained and grading at AC & RI, Madurai	990000.00
61	Construction of threshing floor at KVK, Thiruvellur	100000.00
62	Providing irrigation facility to the Horticulture Nursery at ADAC & RI, Trichy	180000.00
63	Construction of six Nos. of staff quarters (upto second floor roof) at KVK, Sandhiyur	1000000.00
64	construction of Farmers hostel (Weathering course and inner partitions) at KVK, Sandhiyur	945000.00
65	Providing barbed wire fencing at campus of ORS, Tindivanam	200000.00
66	Shifting of Siruwani Main water line in front of New sub way at TNAU, Coimbatore	175000.00
67	Providing Gyp board false ceiling for the Bio-fuel lab at TNAU, Coimbatore	500000.00
68	Construction of Referral lab for Plant Pathology department in TNAU, Coimbatore	1980000.00
69	Construction of six numbers of staff quarters (GF roof to SF lintel) at KVK, Needamangalam	1000000.00
70	Construction of store shed to old Fam at RRS, Vridhachalam	525000.00
71	Construction of centralized referral lab and instrumentation laboratory for Agrl. Entomology department in TNAU, Coimbatore	2980000.00
72	Construction of Tissue culture lab for Horticulture department in TNAU, Coimbatore	3500000.00
73	Construction of Six Nos. of staff quarters GF roof to SF lintel) at KVK, Nagapattinam, Sikkal	1000000.00
74	Construction of first floor over the existing examination hall at TNAU, Coimbatore	2500000.00
75	Providing tiles flooring and Aluminium partition to the Bio-fuel lab at TNAU, Coimbatore	500000.00
76	Providing aluminium partition to the Bio-fuel lab at TNAU, Coimbatore	500000.00
77	Providing pavements and weathering course in new North house at 1969 batch guest house in TNAU, Coimbatore	290000.00
78	Special repairs to barbed wire fencing at New farm RRS, Vridhachalam	200000.00
79	Renovation of Technology park for Bio-fuel lab at TNAU, Coimbatore	500000.00
80	Construction of threshig floor near south farm office at TRRI, Aduthurai	200000.00
81	Construction of protected threshing floor at RRI, Vridhachalam	200000.00
82	Construction of staff quarters (Phase II) at KVK, Tindivanam	1000000.00
83	Construction of Administrative building (Phase III) at KVK, Tindivanam	1000000.00



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84	Construction of seed store (Ambient) in the Farm No. I at ARS, Vaigar Dam	600000.00
85	Providing chain link fencing for approved (Vegetable Crops) Glass house TNAU, Coimbatore	180000.00
86	Electrical installation to the Bio-fuel project (Tech. Park -1) atTNAU, Coimbatore	195000.00
87	Providing electrical installation in the newly constructed Microbiology lab at FC & RI, Periyakulam	110000.00
88	Construction of threshing floor (2 Nos.) at ARS, Vaigai dam	200000.00
89	Cosntruction of Bio-control lab at HC & RI, Peiryakulam	3550000.00
90	Construction of Examination hall at FC & RI, Mettupalayam	3200000.00
91	Construction of six Nos. of staff quarters (Finishing works) at KVK, Virinjipuum	900000.00
92	Construction of Bio-Control lab at AC & RI, Madurai	4100000.00
93	Construction of Additional rooms facilities in the existing girls hostel FF college of Engg, Kumulur	1500000.00
94	Cosntruction of Bio-Control lab at ADAC & RI, Trichy	3555000.00
95	Construction of New Hostel office building (East wing) at TNAU, Coimbatore	1079820.00
96	Renovation works for the toilets block in old Engg. Hostel block No. I at TNAU, Coimbatore	744640.00
97	Providing electrical insallation in wood workshop at FC & RI, Mettupalayam	125000.00
98	Construction of Bio-control lab at AC & RI, Killikulam	3555000.00
99	Construction of Administrative building (GF to FF roof ) at KVK, Sikkal	1000000.00
100	Construction of Administrative building (FF Brick walls) at KVK, Sikkal	189000.00
101	Construction of Farmers hostel (Ground floor) at KVK, Sikkal	879000.00
102	Construction of Administrative building (GF lintel to FF lintel) at KVK, Tirur	1000000.00
103	construction of Farmers hostel (GF roof) at KVK, Tirur	1000000.00
104	Construction of Staff quarters (GF roof to FF lintel) at KVK, Tirur	1000000.00
105	Construction of Hardening unit at RRS, Vridhachalam	300000.00
106	Construction of nursery shed at 'F' block for horticulture (erection of shadenet house) at AC & RI, Killikulam	135000.00
107	Providing water supply and sanitary arrangements to the toilets , flooring, pavement to the Plant Pathology new building at TNAU, Coimbatore	770000.00
108	Construction of Administrative building Doors and windows at KVK, Tirur	233000.00
109	Construction farmers hostel (inner partition doors and windows) at KVK, Tirur	326000.00
110	Construction of Bio-control lab at RRS, Paiyur	1375000.00
111	Construction of staff quarters (G.F roof) at KVK, Tirur	253000.00
112	Special repairs works to the fencing work in the farm boundaries at TRRI, Aduthurai	400000.00
113	Providing barbed wire fencing for the seed production field horticultrue Crops, at AC&RI, Madurai	600000.00
114	Construction of seed store (Conditioned) at AC & RI, Madurai	280000.00



115	Providing barbed wire fencing for Seed production field Agri crops at AC &RI, Madurai	100000.00
116	Construction of first floor godown building in Paddy breeding station TNAU, Coimbatore	1000000.00
117	Shifting of sewage drain line in temporary traffic area in subway at TNAU, Coimbatore	100000.00
118	Providing construction of Administrative building (Providing W.S and S.A) at KVK, Madurai	400000.00
119	Improvements of electrical installations and re-wiring to the Anna Auditorium in TNAU, Coimbatore	300000.00
120	Construction of hardening chamber at HC & RI, Periyakulam	300000.00
121	Strengthening the boundary fencing at HC & RI, Periyakulam	300000.00
122	Providing electrification works to the six Nos. of staff quarters at KVK, Needamangalam	233000.00
123	Providing electrification to the Administrative building at KVK, Needamangalam	229000.00
124	Providing electrification to the Farmers hostel at KVK, Needamangalam	155000.00
125	Providing electrification to the Administrative building at KVK, Tirur	229000.00
126	Providing electrification to the six No. of Staff quarters at KVK, Tirur	233000.00
127	Providing electrification to the Farmers hostel at KVK, Tirur	155000.00
128	Repairs of Additional chairs in Anna Auditorium in TNAU, Coimbatore	195000.00
129	Providing tiles flooring for th stair case room and FF lobby in Anna Auditorium in TNAU, Coimbatore	720000.00
130	Providing water bound Macadam road to Farm at RRS, Tirur	400000.00
131	Providing electrification to the Administrative building at KVK, Sikkal	229000.00
132	Providing electrification to the Farmers hostel at KVK, Sikkal	155000.00
133	Providing electrification for the staff quarters at KVK, Sikkal	233000.00
134	Providing AC roofing to the open shed threshing floor at AC & RI, Madurai	275000.00
135	Construction of farmers hostel (above lintel level) for KVK at AC &RI, Madurai	333000.00
136	Construction of Mist chamber and net house at AC &R I, Madurai	530000.00
137	Construction of trainees (Farmers ) hostel finishing work for KVK building at RI building	990000.00
138	Construction of Administrative building (Except finishing work) at KVK, Madurai	910000.00
139	Construction of seed processing hall at AC & RI, Madurai	530000.00
140	Construction of toilet block for the labourer (ladies and gents ) in Botanical Garden, TNAU, Coimbatore	162000.00
141	Converting the existing camp office in to guest house at TNAU, Coimbatore	195000.00
142	Providing fencing for Northern and Baguduthurai block at ARS, Bhavanisagar	1000000.00
143	Providing barbed wire fencing around the campus at RRS, Tirur	100000.00



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144	Construction of shade net house at ARS, Bhavanisagar	400000.00
145	Modernization of Bio-fertilizer production unit building and mixing storage room at AC & RI, Killikulam	130000.00
146	Improvements works in Green house for the department of Entomology in TNAU, Coimbatore	261500.00
147	Special repairs to seed Technology campus and godown ADAC & RI, Trichy	200000.00
148	Providing electrification for seed processing unit at AC & RI, Madurai	300000.00
149	Formation of road and block topping of road at Dept. of Millet in TNAU, Coimbatore	525000.00
150	Construction of Mist chamber in ARS, Bhavanisagar	400000.00
151	Construction of 2 Nos. thrashing floor ( 8 x 12m) at MBS in TNAU, Coimbatore	200000.00
152	Finishing works to the New hostel office building in TNAU, Coimbatore	390000.00
153	Construction of six No. of Staff Qrs. (Weathering course and other finishing work) at KVK, Sandhiyur	900000.00
154	Construction of Farmers hostel (Phase III) at KVK, Tindivanam	961500.00
155	Repairs and renovation works to the existing dining hall extension of girls hostel at AEC & RI, Kumulur	500000.00
156	Providing Aluminium door and sanitary arrangements to the Administrative building at KVK, Virinjipuram	100000.00
157	Providing sheep shed at ADAC & RI, Trichy	143000.00
158	Strengthening education media centre in the existing Academic block in first block AEC & RI, Kumulur	450000.00
159	Providing payments with drainage to the International hostel at TNAU, Coimbatore	345000.00
160	Providing BT road to the old engineering hostel and international students hostel campus at TNAU, Coimbatore	460000.00
161	Upgradation in pavement of education technology cell in the existing Academic block in first floor AEC & RI, Kumulur	500000.00
162	Construction of compound wall, Drain and culvert in New subway area at TNAU, Coimbatore	800000.00
163	Laying of BT road and kerbs stone in new subway area in TNAU, Coimbatore	625000.00
164	Providing irrigation facilities in Northern block at ARS, Bhavanisagar	300000.00
165	Construction of mush room shed at ADAC & RI, Trichy	200000.00
166	Construction of six no. of staff quarters (SF roof weathering course etc) at KVK, Sikkal	1000000.00
167	Construction of Administrative building (Finishing works) at KVK, Sikkal	647000.00
168	Construction of Administrative building (Weathering course, flooring tiles etc.) at KVK, Sikkal	1000000.00
169	Repair and renovation of existing Namakkal type poultry shed for providing poultry shed experimental learning at ADAC & RI, Trichy	200000.00
170	Renovation of seed processing power room at AC & RI, Madurai	136000.00



171	Providing electrification for power room at AC & RI, Madurai	186000.00
172	Construction of six nos. of staff quarters (Painting works) at KVK, Needamangalam	167000.00
173	Construction of six No. of Staff quarters (SF roof weathering course etc., ) at KVK, Needamangalam	1000000.00
174	Administrative building (weathering course, flooring tiles etc) at KVK, Needamangalam	1000000.00
175	Construction of Administrative building (Finishing works) at KVK, Needmangalam	569000.00
176	Providing external power supply arrangements for Mega seed project building at AC & RI, Madurai	450000.00
177	Extension and renovation of existing building for establishment of Silkwarm rearing lab ADAC & RI, Trichy	503000.00
178	Construction of water sorage work at AEC & RI, Kumulur	180000.00
179	Construction of Farmers hostel (Painting works) at KVK, Sandhiyur	147000.00
180	Construction of Administrative building (Phase V) at KVK, Tindivanam	656000.00
181	Construction of staff Qrs. (Phase IV) at KVK, Tindivanam	201000.00
182	Construction of staff quarters (Phase III) at KVK, Tindivanam	1000000.00
183	Strengthening of turmeric seed rhizome storage strcuture for DSPC , HC & RI, Coimbatore	160000.00
184	Construction of protected structure for Papaya seed production in Pomology Dept, in HC & RI, TNAU, Coimbatore	275000.00
185	Repairs and renovation in RBGRC- IARI building at TRRI, Aduthurai	380000.00
186	Urgent repair to the leaky roof of Microbiology lab and Regional lab at RRS, Paiyur	345000.00
187	Providing seed cleaning yard at Warden Office at HC & RI, Periyakulam	200000.00
188	Construction of Farmers hostel (weatherig course and other finishing work) at KVK, Tirur	698000.00
189	Improvements to the seed technology building at TNAU, Coimbatore	1000000.00
190	Construction of staff quarters (weathering course and other works) at KVK, Tirur	907000.00
191	Construction of Administrative building (Painting work) at KVK, Tirur	438000.00
192	Fixing of Aluminium window for the New construction of seed technology building in TNAU, Coimbatore	217000.00
193	Construction of Administrative building (Phase IV) at KVK, Tindivanam	1000000.00
194	Shifting the water line (Swming pool and field No.68) in Students hostel at TNAU, Coimbatore	130000.00
195	Construction of poly green house for nursery establishment at AC & RI, Madurai	200000.00
196	Renovation of seed store and seed committee room at AC & RI, Madurai	220000.00
197	Terracotta for seed processing hall and seed store at AC & R I, Madurai	200000.00
198	Construction of six Nos. of Staff quarters (Finishing work) at KVK, Madurai	1000000.00

199	Providing ceramic tiles flooring to the Administrative building at KVK, Madurai	152209901.00
200	Providing electrical installation arrangements to Farmers hostel at KVK, Madurai	270000.00
201	Construction of Six No. of staff quarters (First floor and Second floor structural completion) at KVK, Madurai	1000000.00
202	Providing additional main switch and plugs to the Bio-fuel unit in Technology park I, TNAU, Coimbatore	260000.00
203	Repairing the roof of the old lab at CRS, Aliyar Nagar	125000.00
204	Construction of building for processing workshop annex at AEC & RI, TNAU, Coimbatore	675000.00
205	Seed Infrastructure development works to Orchard department of Vegetable Crops, at TNAU, Coimbatore	650000.00
206	Forming approach road to the KVK Administrative building at AC & RI, Madurai	414000.00
207	Electrical installation arrangements to 6 Nos. of Staff quarters building in KVK, AC & RI, Madurai	260000.00
208	Providing external water supply connection to Administrative building KVK, Madurai	545000.00
209	Providing water supply and sanitary arrangements to the KVK Farmers hostel AC & RI, Madurai	482000.00
210	Renovation of hall opposite to bakery unit for processing department in AEC & RI, TNAU, Coimbatore	140000.00
211	Construction of first floor over the existing Administrative building for seed infrastructure room HC & RI, Periyakulam	1500000.00
212	Painting works CWC at AEC & RI, TNAU, Coimbatore	143000.00
213	Establishment of Education technology media center at ADAC & RI, Trichy	500000.00
214	Establishment of Education technology media center at ADAC & RI, Trichy	500000.00
<b>Grand Total</b>		<b>159939635.00</b>



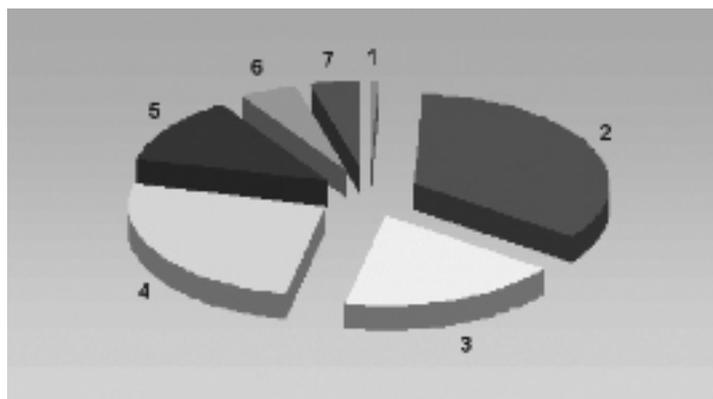


## APPENDIX II

### DETAILS OF UNIVERSITY SCHEMES (2006 - 2007)

Sl. No.	Particulars	No. of schemes	Amount (lakhs)
1	1Non-Plan schemes (URS)	9	49.00
2.	Plan schemes	125	1805.00
3.	ICAR fully financed schemes	69	965.00
4.	ICAR partly financed schemes	62	1352.00
5.	Government of India schemes	104	649.00
6.	Private agencies schemes	89	250.00
7.	Foreign agencies schemes	41	226.00
<b>Total</b>		<b>499</b>	<b>5296.00</b>

Total financial distribution among different schemes



- |                         |                     |
|-------------------------|---------------------|
| 1. Non-Plan             | 5. GOI              |
| 2. Plan                 | 6. Private agencies |
| 3. ICAR fully financed  | 7. Foreign agencies |
| 4. ICAR partly financed |                     |





## APPENDIX III

### LIST OF RESEARCH PAPERS PUBLISHED

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