RURAL AGRICULTURAL WORK EXPERIENCE (RAWE)
Anbil Dharmalingam Agricultural College & Research Institute
Trichy-9

Students List (2011-2015 Batch)

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<th>Name</th>
<th>Roll No.</th>
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<td>1</td>
<td>T.Agalya – BSA-11-603</td>
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<td>2</td>
<td>M.Amrutha Unni – BSA-11-604</td>
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<td>E.Deepa – BSA-11-618</td>
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<td>G.Kanimozhi – BSA-11-629</td>
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<td>T.Pavithra – BSA-11-647</td>
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<td>P.Sheellarani – BSA-11-658</td>
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<td>K.Tamil Akarithi – BSA-11-668</td>
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<td>S.Vaitheeswari – BSA-11-671</td>
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<td>S.Sugumathi- – BSA-11-683</td>
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<td>10</td>
<td>P.Arul Jothi – BSA-11-686</td>
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INTRODUCTION

The students from ADAC & RI, Trichy will be contacted the following departments to learn knowledge about agriculture related activities and transfer of technology to farmer

1. CREED Krishi Vigyan Kendra, Ariyalur District
2. Department of Agriculture, Ariyalur
3. Department of Horticulture, Ariyalur
4. Department of Animal Husbandry, Ariyalur
5. Department of Agricultural Engineering, Ariyalur
6. Department of Revenue, Ariyalur
7. Contact farmers
8. CREED NGO and
9. Agriculture related industrial tie-up
WORK DONE REPORT
(from 04.06.14 to 11.07.14)

- Met contact farmers
- Learnt about Jeevamirtham Preparation and Vermicompost
- Learnt about demonstration of soil sample collection
- Learnt about Community Nursery
- Learnt about sowing experience and demonstration of Onion crop with intercrop of coriander and lablab
- Conducted Farmer Field School (FFS) meeting in farmer field
- Attended training on minor millets, cultivation practices and its value addition conducted by CREED KVK
- Attended training on IPM in vegetables conducted by CREED KVK
- Attended training on Fodder crop and Azolla cultivation techniques conducted by CREED KVK
- Attended training on Organic farming conducted by CREED KVK
- Learnt about NATECO farming
- Attended the meeting for Front Line Demonstration (FLD) – Naduvalur village for Maize crop cultivation
- Known about Indigenous Technical Knowledge (ITK) in seed storage
- Learnt about Maize seed treatment and ToT to farmers
- Learnt about budrot symptom and control in coconut
- Learnt and ToT demonstration in farmer field of organic pesticide in onion field
- Learnt about Integrated Farming System (IFS) and case study of snake gourd seed production
Jeevamirtham preparation and vermicompost by CREED KVK

Gained experience about Jeevamirtham preparation and vermicompost unit and their beneficial effects to crop that was explained by Mr.R.Velmurugan, Plant Protection, CREED KVK.

[Images]

Kuruvai Package – Community Nursery preparation

Participated in Kuruvai Package community nursery preparation for ADT- 43 rice variety by the method of SRI at Cholamadevi village.

[Images]

FFS meeting about pest management

Our team conducted a FFS meeting in farmer field (Mr.Renganathan, Cholamadevi) about pest management and cultivation in coconut, groundnut, moringa, sapota, gingelly, etc., 10 farmers were participated in the meeting and live specimen identification and treatment given to farmer by
Mr. R. Velmurugan (PP) and Mr. Y. Raja Joslin (Horticulture), CREED KVK.

**Nat Eco farming**
We observed the new technology in organic farming which include low input cost and increased productivity among marginal farmers. Eg: Watermelon grown in FYM.

**ITK in seed storage**
Traditionally used rice storage structure was observed in this area, the structure name was “Pathaaiyam”, if it was made by wooden logs. If it was made by sand, it was named as “Kuthuru”. Its capacity was 30 bags. It prevents seed from pest and disease management

**Sowing experience from CREED KVK**
Undergone sowing in the field. It was based on intercrop of Onion + coriander + lab lab. The source of irrigation is both by drip and sprinkler conducted by Mrs. A. Rajkala, Programme Coordinator (i/c.) and Mr. R. Velmurugan (PP).
Front Line Demonstration (FLD)
Participated in the input distribution to Front Line Demonstration (FLD) conducted by CREED KVK and we provided maize seed to the farmers that was new hybrid and release by TNAU – TNAU Maize hybrid CO-6. It was a high yielder.

Kuruva pre season (Paddy) – Exhibition
Government of Tamil Nadu given Kuruvai package plan – 2014, which provides farm inputs and implements at free of cost to the farmers. Exhibition also conducted by CREED KVK & Agricultural students and explained about SRI techniques. This is programme was headed by Joint Director of Agriculture, Ariyalur District.

Learnt about Maize seed treatment and ToT to farmers
Seed treatment of maize by carbendazim 2 g/kg, *T. viride* 4g/kg and biofertilizer like azospirillum and phosphobacteria liquid (40 ml/ac.). The seed technology ToT for farmers.
Learnt about budrot symptom and control in coconut

Identification of crown rot disease and treatment by *T. viride* solution 250 ml in 10 lit. of water then applied crown portion of coconut through Mr.R.Velmurugan, PP, CREED KVK. (affected plant shown nearby photo).

Learnt and ToT demonstration in farmer field of organic pesticide in onion field

Organic pesticide like garlic 1 kg, ginger 0.5 kg and green chilli 0.5 kg, all are grind separately then add 7 lit. of water in bucket and add 1 lit. of cow urine and keeping 12 hours then filter and get 6 lit. of solution. From the solution, 500 ml/tank (12-13 lit. of water) and add 100 ml of neem oil. The ToT In the farmer field (0.5 ac. onion crop) was applied as per above treatment.
Met contact farmers for data collection and experience learnt
Participation in various On campus training conducted by CREED KVK
Learnt about Integrated Farming System (IFS)

IFS is a life cycle of livelihood support of farmer (Mr. Sivakumar-Vanathirayapattinam) like crops, dairy, fodder, poultry, fisheries.
SUCCESS STORY

Mr. Sivakumar, one of the progressive farmer of CREED KVK and contact farmer to RAWE programme students (Ariyalur group). By approaching the farmer by the students, they got success story about snake gourd seed production with the technology given by CREED Krishi Vigyan Kendra, Ariyalur District. Beside, the students like to add this Success Story in TNAU agri tech portal for the benefit of the farming community. The success story has given below:

Snake gourd Seed production – A Success story

Name of the famer : Sivakumar

Village : Vanathirayanpattinam

Area : 1 acre

Mr. Sivakumar, a progressive farmer aged 42, residing at Vanathirayanpattinam village, Jayankondam block of Ariyalur District, Tamil Nadu who is having 20 acres of land cultivating sugarcane, groundnut, paddy, cashew and vegetables. He started seed production in snake gourd in his one acre of land through pandal system during August 2012.

Three months later, the farmer gave the following feedback. Previously this farmer cultivated vegetables without pandal system and get a normal income only through vegetables. Nearby / Surrounding village farmers are also cultivating vegetables crops with use of hybrid seeds. The hybrid seeds are expensive and not available in time (season period). He told that “I started cultivation of pandal system of snake gourd variety CO2 released by TNAU, Coimbatore. The selected field was ploughed thoroughly by using chisel plough (once), disk plough (once) and cultivator (four times). Ten tones of
FYM, 188 kg single super phosphate, 800g of Azospirillum, 800g of phosphobacteria, 1 kg of *Trichoderma viridi* along with FYM 50 kg and neem cake 40 kg is applied before ploughing. I produced quality seedlings through portray method in a shadenet house having one cent area. 800g of snake gourd seed was purchased and treated with each 200g of Azospirillum, phosphobacteria and 4g of *Trichoderma viridi*.

Snake gourd seeds were sown in prostray containing well composed cocopeat medium. Only one seed was sown per hole. Regular watering was done with the help of rose cane and the seedlings were ready in 12 days for transplanting in the main field.

The seedlings were planted on the raised beds with a size of 4 feet wide at 5 feet distance between row and 2 feet between plant to plant. Then the lateral tubes of drip irrigation were spread on the beds to irrigate for 8 to 12 hours.

Staking was provided to the seedlings when tendrils start with the help of rope to enable them to reach pandal. Weeding and hoeing was done twice at the time of 20 days and 40 days after planting. Growth regulator namely Ethrel (100 ppm) 1 ml in 1 lit of water was sprayed 4 times from 10th day after transplanting at weekly intervals.

Ethrel helped to increase the female flowers numbers and yield in the snake gourd.

IIHR vegetable special was purchased from KVK and spraying was done 4 times @ 1g per litre of water starting from 30 days after transplanting at 15 days interval. This increase the number of flowers fruit size (150 g), quality and yield of the snake gourd.

Five numbers of pheromone trap (Cucurbitacea) was used for controlling the fruit fly in snake gourd. Snake gourd came to harvest from 65 days after transplanting.
The expenditure incurred (Pandal, Fertilizer, Pesticide, fruit harvest and extraction, Labour cost. etc.) was Rs. 45,000/-. Eight harvests have been made through this pandal system in weekly interval. An average of 30-38 Kgs of yield of seeds was taken in each harvest. Total seed yield is 300 kg. and he sold seeds @Rs.375/kg. He obtained a total income of Rs.1,12,500 / acre through sale of seeds and gained a net income of Rs.67,500/acre/crop within four and half months.
NEWS PAPER COVERAGE
வெள்ளைக்குழுப்ப் பெருங்கி...

வெள்ளைக்குழுப்ப் பெருங்கி...
நீர்த்தேர்வு நடத்திய கால்களத்தில் எந்த மரபினமான 'டி.லிங்கா' என்று எழுதியுள்ளுள்ள இருந்தோ என்று செவ்வாய் போன்ற பல்கால கருத்துக்கருகைகள் ஒன்று காண்கிறது. இவ்விதமான கருத்துக்கருகைகள் ஒன்று காண்கிறது.
சிறந்தசார்

சீனாசி சுகாதாரத் திட்டம் ஆராய்ச்சி

அது, பிற கையல் குறுக்கு வழிபாடுகள் பெருமையில் உள்ள பொருள் வழிபாடுகள் தோற்றுகள் கூறுகள் கூறுகள் கூறுகள்

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