

EXTRNALLY FUNDED PROJECTS

NADP - Market Led precision Farming

Funding agency	NADP
Budget (Rupees in lakhs)	65.6
Duration	2013-2014 (1 year)

Overview of the Project

- ✚ The main objective of the project is doubling the yield and tripling the income of the farmers.
- ✚ The precision farming technologies from seed to seed was taught to the farmers to get higher yield.
- ✚ For the better market of the produce the commodity groups will be formed through this project.
- ✚ The soluble fertilizers to the tune of Rs,25,000/ha was given to the beneficiary farmers through this scheme.
- ✚ The fertigation techniques, integrated pest management, post harvest handling, accounting and market linkage were imparted to the farmers through this scheme.
- ✚ Through this scheme 102 ha of horticultural crops and 98 ha of agricultural crops were covered.

Production of quality produces through precision farming and facilitating marketing of the produce by commodity group approach



Ensuring Nutritional Security to the Rural Poor through Nutritional Gardens in Villages of Dharmapuri District under RGR

Funding agency	NavajbaiRatan Tata Trust
Budget (Rupees in lakhs)	12.59
Duration	2013-2015 (2years)

Overview of the Project

- ✚ To facilitate the selected villages in establishing nutritional gardens as demonstration units to the block
- ✚ To facilitate the farmers/ farm women to acquire knowledge, understanding and skill on nutritional gardens through trainings
- ✚ To impart bio rational insect pest management practices among the rural women to be practiced in the nutritional gardens
- ✚ To popularize the strategy on nutritional garden in the selected block
- ✚ To study the impact through pre and post nutritional and anthropological survey among the children and women of the beneficiary village

Forty demonstrations established & 10 trainings for 500 farm women conducted on the concept of Nutrition Garden



NADP - Precision farming training to Beneficiary farmers

Funding agency - NADP				
Year	Agriculture		Horticulture	
	Farmers	Amount (Lakh Rs.)	Farmers	Amount (Lakh Rs.)
2009 – 10	200	1.38	100	36.0
2010 – 11	780	6.51	260	2.31
2011 – 12	945	6.74	400	2.86
2012 – 13	420	2.68	-	-
Total	2345	17.31	760	41.17

About 3105 farmers were trained with a total budget of Rs.58.5 lakhs

Overview of the Project

- ✚ Precision farming training was given to the beneficiary farmers
 - State Agricultural Department
 - State Horticultural Department
- ✚ Technologies
 - Chisel ploughing
 - Drip & Fertigation
 - integrated pest & Disease management
 - Market intelligence
- ✚ Exposure visit to the successful farmer was also conducted to share the experience of the farmer with the trainee farmers.



Technological demonstration of Sustainable Sugarcane Initiative (SSI) for improving productivity in cool dry zone of Tamil Nadu”

Funding agency	NABARD
Budget (Rupees in lakhs)	12.87
Duration	2012 - 2014 (2years)

Overview of the Project

- ✚ The Sustainable Sugarcane Initiative technologies has been demonstrated
- ✚ Beneficiaries are farmers in the operational areas of Subramania Siva Cooperative sugar Mill, Gopalapuram, Harur, Dharmapuri District Cooperative Sugar Mill, Palacode, Dharmapuri and Thirupattur Cooperative Sugar Mill, Kethandapatty, Thirupattur.
- ✚ SSI demonstration plots @ 1.25acre / plot were laid out in these sugramill operational areas and shade net for the quality chipbud seedling production were erected I two sugar mill premises through this scheme.
- ✚ Two field days and six training were conducted to create awareness among the farmers about the SSI technology. This scheme made 500 farmers competent to practice SSI technology.

About 30% of the Sugarcane area in Dharmapuri District is under SSI



NADP - Training to beneficiary farmers of Sustainable Sugarcane Initiative

Funding agency	NADP
Budget (Rupees in lakhs)	3.16
Duration	2013 – 14 and 2014-15

Overview of the Project

- ✚ The sustainable sugar cane initiative training (SSI) was given to the beneficiary farmers of Agriculture department.
- ✚ The SSI technology viz., chipbud seedling production, varieties, plating at optimum spacing, drip cum fertigation technology, integrated weed management and integrated pest management technology were taught to the farmers.
- ✚ The chipbud seedling production technology, fertigation techniques and white grub management methods were demonstrated to the farmers.
- ✚ The farmers were taken to the successful farmer's field to know the technologies used by the successful farmer.

Adoption of SSI technology led to 20-25 per cent increase in sugarcane yield



Management of Papaya Mealy Bug *Paracoccus marginatus* using parasitoid *Acerophagus papayae* in Dharmapuri district

Funding agency	ATMA
Budget (Rupees in lakhs)	5.96
Duration	2013 - 14

Overview of the Project

- ✚ Papaya mealy bug *Paracoccus marginatus* causes heavy yield loss in Papaya, Tapioca, Cotton
- ✚ As the chemical control doesn't provide enough control the imported parasitoids *Acerophagus papayae* was mass multiplied through this scheme and distributed to the farmers.
- ✚ Throughout the district 24 awareness programmes were conducted to educate the farmer on the PMB damage, various types of mealybugs & their identification and management using parasitoids.
- ✚ Through this scheme about one lakh parasitoids were produced and distributed to about 2000 farmers.
- ✚ Apart from direct distribution the lateral spread method was also taught to the farmers and they distribute the parasitoids to the nearby needy farmers. The use of parasitoid reduced the PMB incidence up to 60% in this district.

About 100000 parasitoids were produced and distributed and though this 60 per cent control was achieved



Training cum Awareness programme on Creation of Awareness among farmers on Protection of Plant Varieties and Farmers

Funding agency	GOI
Budget (Rupees in lakhs)	0.80
Duration	2013 - 2014and 2014-15

Overview of the Project

- ✚ The training programme was designed with the objective to create awareness among the farmers about the Protection of Plant Varieties and Farmers Rights Act 2001
- ✚ The training included
 - Exhibition of traditional varieties of native crops of Dharmapuri district viz. Paddy, Ragi, Samai, Tenai, Sorghum, Greens and Gourds.
 - The farmers are made aware of the registering procedure to protect their varieties.
- ✚ About 100 farmers were trained on this aspect in 2013 – 14
- ✚ Budget has been received for the conduct for the same training programme in the current year.

About 5 traditional variety seeds has been sent for registration under this act



Initiative for Nutritional Security through Intensive Millets Promotion (INSIMP)- Installation of Millet Processing Unit

Funding agency	GOI
Budget (Rupees in lakhs)	6.74
Duration	2012-13

Overview of the Project

- ✚ Installation of millet processing unit in four spots of Dharmapuri where millet production is concentrated was done
- ✚ One of the model units is established at KVK, Dharmapuri and other at Mookanahalli, Gowrichetty and Damanikombai villages
- ✚ The processing unit comprises of Destoner cum grader, Dehuller and Pulverizer
- ✚ The project aims to improve the livelihood of the millet farmers by selling their products value added
- ✚ This will assure a higher income to them than selling the millets as raw grain.
- ✚ Involvement of all the group members is assured for the sustainability of the model processing unit.

The model millet processing units ensures the livelihood improvement of the group members & stands as awareness sign for the other millet farmers



Training on Promotion of processing and value addition of millet based entrepreneurship development

Funding agency	GOI
Budget (Rupees in lakhs)	5.00
Duration	2014 - 2015

Production and Supply of foundation seed production of Pulses

Funding agency	NADP
Budget (Rupees in lakhs)	1.31
Duration	2013–2014
Target achievement	400 kg of Black gram foundation seed produced and distributed

Promotion of quality seed production in green manures

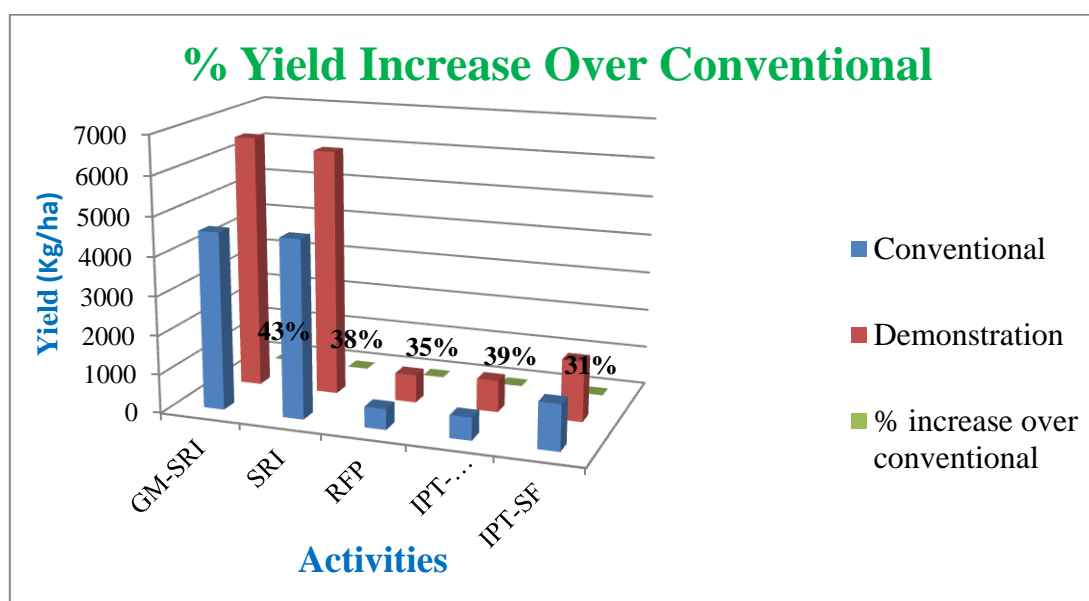
Funding agency	NADP
Budget (Rupees in lakhs)	2.42
Duration	2013 - 2015
Target achievement	900 kg of sunhemp and 300 kg of daincha seeds were produced and distributed

IAMWARM - KAMBAINALLUR SUB BASIN

The implementation area of Kambainallur sub-basin spread over in 5 blocks viz., Dharmapuri, Nallampali, Palacode, Karimangalam and Morappur. The important crops grown in this sub-basin are paddy, Sugarcane, Cotton, Pulses, Groundnut, Banana, Tapioca, Tomato, Brinjal, Bhendi, Radish, Turmeric and Loose flowers.

Interventions

Technology		Demo Area	Impact Area	Mean		% of increase
				Control	Treatment	
SRI	GM-SRI	6	30	4551.86	6515.00	43.13
	SRI	24	120	4562.38	6297.14	38.02
	RFP	30	120	535.36	722.90	35.03
IPT in Pulses		60	300	584.01	816.44	39.79
IPT in Sunflower		40	400	1181.07	1558.33	31.94



Interventions carried out in Precision Farming

Crop	2010-11		2011-12		2013-14		Total	
	Area (ha)	No. of Beneficiaries	Area (ha)	No. of Beneficiaries	Area (ha)	No. of Beneficiaries	Area (ha)	No. of Beneficiaries
Vegetables	10	11	10	13	250	237	270	261
Sugarcane	10	11	25	26	30	27	65	64
Tapioca	5	4	10	12	-	-	15	16
Turmeric	10	11	10	13	5	5	25	29
Banana	-	-	-	-	5	6	5	6

Machineries demonstrated

Sl.No.	Name of the implement
1.	Tractor drawn chisel plough
2.	Broad Bed furrow former
3.	Tractor drawn rotavator
4.	Tractor drawn Ridger cum mulching sheet spreader

Interventions carried out in the sub basin

SRI :

- Reduction in nursery area and seed rate
- Reduction in labour through mechanized weeding
- Savings in water to an extent of 30 % besides in electricity costs for irrigation
- Need based fertilizers and thereby sustenance of the soil fertility

Precision Farming :

- Reduces the costs through more efficient applications of crop inputs
- Reduces environmental impacts by allowing farmers to apply inputs only where they are needed at the appropriate rate
- Yield and the income of the farmers increased to three fold, apart from increasing the area under irrigation
- The use of high yielding hybrids, pro tray nursery seedlings, integrated crop and pest management strategies and market intelligence gave high yield & quality products which paved good price.
- Plastic mulching usage in vegetable precision farming paved the way to raise three crops in a year with zero ploughing, 20% water saving, 50% reduction in weeding cost and 20-30% increased yield.

