

A Success story on Integrated Farming System

Name & Address of the Farmer: Mr.D.Manivannan
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Problem Statement:

Shri.D.Manivannan, a dedicated and innovative farmer, hails from the village Sathuperipalayam of Arni block, Thiruvannamalai district in Tamil Nadu. He completed his S.S.L.C and chosen agriculture as profession and started devoting his time focusing on a better farming. He is having 4.0 acres of garden land. Though he was cultivating paddy, groundnut and pulses in his farm regularly, he was not getting the expected income. He felt that doing agriculture through conventional method minimized the yield and income. It is also associated with low productivity, increased cost on agriculture inputs and poor or no utilization of existing farm resources available in the farm. The conventional method also produced ecological problems on crop diversity, animals and poultry as well as soil and water pollution.



Plan, Implementation & Support :

To overcome the problems faced by him, he started searching the new method which improves the farm productivity, soil health and income. He had visited Tamil Nadu Agricultural University, Coimbatore during 2009; he has got the chance to learn about the Integrated Farming System models. He was then immediately established poultry and goatary units in his farm and still he was searching for other components by visiting various other farms on his own. From 2013 onwards, he is having close contacts with the KVK for the technical help, up gradation of new components and guidance. He has been attending lot of trainings, seminars, workshops conducted by the KVK.

With the guidance of KVK, in a total of 4.0 acres of land area, he practices Integrated Farming. He was growing field crops like Paddy, groundnut, pulses and vegetable crops. He was the one who introduced sweet orange in the district. He was also cultivating the fruit species of Mango and Lime along with seasonal vegetables and flowers. He maintains a poultry unit with 1000 desi birds, goatary unit (50 goats in a single time) and a small brooding unit with a capacity of 900 chicks a month. He has also established a vermicompost production unit with a capacity of 2 tonnes per month and a fish pond with the production capacity of 1000 fishes in 90 days cycle.

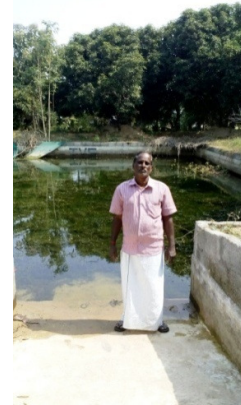


As a progressive farmer he always tries to improve his skill and eager to know every aspects of farming from various sources, trainings, experts, department personnel etc. He eventually set a good example of improved cultivation/farming by incorporating those knowledge with his own innovation in front of other farmers. He adopted so many new technologies in farming. Mr.D.Manivannan is integrating all the existing resources available in his farm completely for the economic and ecological improvements for the past 4 years.

Output :

The adoption of integrated Farming System involving minimum use of external inputs, crop residue recycling and organic practices can improve economic and ecological issues. With this challenge, Mr.D.Manivannan is integrating all the existing resources available in his farm completely for the economic and ecological improvements for the past 4 years. The Major outcome of Integrated Farming System found by Mr.D.Manivannan is

- The Integrated Farming System increased the sustainable income from various components round the year.
- The cost of production has been drastically reduced due to reduction in external output purchase as the recycling of most of the available resources was done for the production.
- The environmental, soil and water pollution have been decreased considerably as the farm and other wastes were recycled effectively.



Outcome:

With the help of KVK, he has been promoted as one of the key trainers on IFS in Thiruvannamalai District. He is giving training to other farmers who are really interested in setting up of IFS models in the district as well as in other parts of Tamil Nadu.

His success influenced neighbouring farmers so much that many other farmers get interested and adopted the IFS models in their farm. So far 8 IFS models have been established in Arni, Vandavasi and Vembakkam blocks of Thiruvannamalai district under the able guidance of Mr.Manivannan. He became the role model for establishing a successful Integrated farming System in the block.

To recognize Mr.D.Manivannan's effort in the field of IFS, the Tamil Nadu Agricultural University, Coimbatore has awarded him the best innovative farmer title during the farmer's day celebration in Feb 2018. The ICAR, ATARI, Zone X, Hyderabad also praised him during the farm innovators meet held at Hyderabad during April 2018.

S.No	Component	Area in acre	Expenditure	Income
1.	Field Crops			
	Paddy	0.75	18000.00	30000.00
	Groundnut	0.50	6000.00	18000.00
2.	Horticulture	-	-	-
	Mango	1.5	12000.00	40000.00
	Sweetlime		15000.00	75000.00
	Lime		3000.00	10000.00
	Vegetable & flowers	0.5	4000.00	30000.00
	Horticulture Nursery		15000.00	150000.00
3.	Poultry	-	-	-
	Brooding unit	0.25	25000.00	75000.00
	Backyard poultry birds		-	-
4.	Goatary unit	0.1	6000.00	25000.00
5.	Fish Pond	0.20	24000.00	60000.00
6.	Vermicompost	0.02	3000.00	10000.00
7.	Buildings & other infrastructure	0.18	-	-
		4.0	131000.00	523000.00

Impact:

- About 8 IFS models have been successfully established in Arni, Polur, Vandavasi and Kalasappakkam block after seeing its benefits and revenue by the farmers. Many such model farms are planned during 2017-18 by the KVK in collaboration with state department of agriculture and other NGO's in the district.
- The NABARD also promoting such models which has greater impacts on soil health and sustainable income through various projects.
- The state department of agriculture through its scheme i.e Farmers Producer Group has been promoting large numbers of IFS models in the district since 2017.