

INTEGRATED FARMING SYTSEM

1.	Name of the farmer	:	Th. R.Vellappagounder
2.	Address of the farmer	:	Th.R.Vellappagounder S/o. Th.Ramasamy No.9/93, Tirumalaigiri, Kalappanaikanpatty(PO) Sendamangalam(TK) Namakkal(DT), Pin code:637404 Mobile No: 9943717562 Aadhar No: 4719 6002 7184 Age:80 years
3.	Type of primary activity	:	Integrated farming with crops, livestock and poultry Total area: 4.0 acres (Paddy, Sorghum, Green gram, Banana, vegetable crops, Coconut, Cumbu Napier fodder grass, Fodder Sorghum seed production, Fodder Cowpea seed production, Agro- forestry (Ailanthus excelsa + Desmanthus fodder grass), Dairy – 2 No., Desi birds – 10 Nos., Vermicompost and organic manures) Traditional farm started during the year of 1955. Integrated farming with allied enterprises started during 2011.
4.	Date of start of the farm	:	1955
5.	Details of Training undergone at VUTRC / FTC	:	<ul style="list-style-type: none"> • Conducted front line demonstration on fodder sorghum (COFS 29) and ICM practices (2011) • Imparted training on integrated crop management in SRI paddy, integrated farming system, fodder production, organic manures

		<p>production, scientific dairy farming, backyard poultry farming (2009, 2010, 2011)</p> <ul style="list-style-type: none"> • Trained for fodder seed production technology and enrolled in PPP mode (2012) • Interstate exposure visit to integrated farming farm (2013) • Demonstrated IFS model in his farm for effective recycling of farm waste (2015) • Frequent Farm advisory services offered.
6.	Advice received from VUTRC / FTC	<p>:</p> <ul style="list-style-type: none"> • Integrated farming system for effective recycling of farm waste & higher farm income • SRI Method of paddy cultivation • Drip irrigation system for coconut • Agro-forestry model with fodder seed production • Low cost vermicompost production technology • Panchagaviya preparation • Vegetable kitchen gardens • Oral pellet vaccine for poultry • Mineral mixture supplementation to dairy cows • Introduction of cumbu napier grass variety (CO-4 & CO-5)
7.	Sustainability of the farm	<p>:</p> <ul style="list-style-type: none"> • Farmers practicing organic farming methods for cultivation of paddy production, green fodder seed production, vegetable kitchen gardens without chemical fertilizers and pesticides. He was

			recorded higher productivity in different crops, reducing cost of cultivation with less labour required.
8.	Income generated / annum	:	<ul style="list-style-type: none"> • Direct income from paddy production, fodder seed production, agro-forestry, banana, dairy cows, desi birds in 4.0 acres of land per year • Total cost of cultivation - Rs.96000/- • Total gross income - Rs.260000/- • Net income - Rs.164000/- • BCR: 2.70:1
9.	Diversification of the farming activity	:	<ul style="list-style-type: none"> • Instead of regular traditional farming production, the farmer cultivated fodder for seed production, agro-forestry model, organic manure production, adopting drip irrigation system for coconut and ailanthus excels for effective recycling of farm water and natural resources with available family labour.
10.	Innovative package of practice adopted	:	<ul style="list-style-type: none"> • Fodder seeds /setts production (Cumbu Napier hybrid grass-CO.4, Fodder sorghum COFS.29, Fodder cowpea CO-8) • Agro-forestry system (Ailanthus excelsa + Desmanthus fodder seed production) • Prepared Cowdung slurry and applied to fodder crops along with irrigation water • Heaping of dried coconut fronts around the coconut trees for soil moisture conservations • Organic vegetable kitchen garden • Cage rearing of desi chicken

		<ul style="list-style-type: none"> • Dairy farming (Housing, Feeding, Clean milk production & Disease management) • Purchased buffalo calf (Murrah) from VC&RI, TANUVAS, Orathanadu for rearing. • Agathi and Subabul tree fodder planted around the farm field bund
11.	TANUVAS technologies adopted	<ul style="list-style-type: none"> • Mineral mixture supplementation to dairy cows • Oral pellet vaccine for desi birds • Regular deworming for dairy cows • Green fodder production and fodder seed production technology • Chaff cutter for fodder grass cutting
12.	Details of saving of resources and inputs	<ul style="list-style-type: none"> • 40% of farm water saving through SRI Paddy, drip irrigation, moisture conservation practices, diversified crops like fodder sorghum and agro-forestry models, avoid complete chemical fertilizers due to organic manures, 85 employment man days reduced per annum for integration of different components. Hence more net income recorded form IFS system.
13.	Strategies adopted for control of disease	<ul style="list-style-type: none"> • Panchagavia, Amirth karaisal, Cow urine, Trichogramma egg parasitoids card, Neem oil, Pungan oil, herbal leaf extract for controlling pest and diseases in agricultural and horticultural crops.

14.	New technologies adopted	:	<ul style="list-style-type: none"> • Integrated farming system for irrigated upland • SRI Method of paddy cultivation • Introduction of new varieties (Paddy – TKM-13, Banana – Udhayam, cumbu napier grass variety CO-4 & CO-5, Fodder sorghum – COFS 31) • Drip irrigation system for wider spaced crops • Agro-forestry model with fodder seed production • Vermicompost production technology • Panchagaviya preparation • Oral pellet vaccine for poultry • Mineral mixture supplementation to dairy cows
15.	Number of employment created	:	<ul style="list-style-type: none"> • 195 employment man days created in IFS system per annum in our farm
16.	Tie up with other agencies	:	<ul style="list-style-type: none"> • Farmer tie uped with KVK Namakkal and Agricultural department for production of agricultural crops (paddy) and fodder crops seeds (Fodder sorghum CO-31, fodder cowpea CO-8, Desmanthus – CO1) through PPP Mode and supplied large quantity of seeds.
17.	Economic empowerment of the farmer	:	<ul style="list-style-type: none"> • Compared to traditional agricultural farming, Currently earned more net income and without getting any agricultural loan from banking. Now a days year round income generated for

			sustainability of our farm and family
18.	Cost effectiveness of the practices adopted		<ul style="list-style-type: none"> In over all, 45% of production and cultivation expenses was reduced in our farm due to implementation of IFS system
19.	Dissemination of information to other farmers	:	<ul style="list-style-type: none"> He trained 3 farmers in nearby village for IFS adoption, supplied fodder seeds to 55 farmers for fodder production and seeds production purpose in and around village He supplied fodder sorghum - 2400 kg, hedge lucerne - 1450 kg, fodder cowpea - 950kg and subabul - 425 kg to KVK, Namakkal through PPP mode. He also supplied to needy farmers nearby areas.
20.	Recognition/ Awards by block/district/state Government & NGO agencies (if any)	:	<ul style="list-style-type: none"> Outstanding farmer award for successful adoption and dissemination of technologies in fodder cultivation issued by KVK, Namakkal and State Planning commission (Land use board) during 2008. Best farmers award for PPP fodder seed producer issued by KVK, Namakkal during 2012.
21.	Success stories/feature articles/papers published in newspapers / internet / journals, magazines etc.		<ul style="list-style-type: none"> Success story on green fodder seed production thorough PPP mode published in KVK booklet
22.	Future plan	:	<ul style="list-style-type: none"> Addition of 3 more jersey cross bred and 200 desi birds in our IFS farm. Also planned for CO-52 new paddy variety seed production

			and VBN-8 black gram seed production and establish biogas unit.
23.	Any other information	:	Nil
24.	Recommendation of the faculty attending to the farmer	:	He is a sincere and senior innovative farmer for new technology adoption and implementation in the field of agricultural and allied sectors. He also act as “Farmer Teacher” in KVK fodder seed production and ATMA programmes. He is a playing major role in horizontal spreading of new technologies in and around Sendamangalam block. Hence, He is eligible for getting TANUVAS BEST FARMER Award during TANUVAS Foundnation day.



Th. R.Vellappagounder



Fodder crops (CN Grass)



Organic vegetable kitchen garden



Cowdung slurry preparation



Honey bee rearing



Mulching for moisture conservation



Agro-forestry model



Agro-forestry with Desmanthus



Dairy farming



Desi poultry in Cage