



Name of farmer: M. K. Vijayan

Address: Mungathankundil, Parappanagadi P.O.

Kerala:

Age: 60

Education: SSLC

Size of land holding (in acre): 4.5 acre

1) Before intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana (Nendran)	3 acre (2500nos)	320Q	480000	105000
Hort. Crop 2	Vegetables Amaranth, bottle gourd,	1.5 acre	2.18Q 19 Q	3281 28500	2188 6100
Total		4.5 Acre		511781	113288

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana (Robusta, Nendran)	3 acre (300 nos 3000 nos)	60Q 420Q	57000 756000	37200 166000	>100 31.25	>100 48.57
Hort. Crop 2	Vegetables Amaranth, bottle gourd	1.5 acre	3 Q 24Q	6000 43200	3655 20800	37.61 26.31	67.04 240.9
Total		4.5 Acre		862200	227655		100.9

Brief: The farmer used to get annual income of Rs. 113288/- from banana, vegetables like amaranth, bottle gourd, etc. He faced problems like pest and disease incidence in banana, labour charge for fertilizer application and irrigation, etc. With DFI interventions like fertigation, integrated pest management, secondary nutrient application etc., he is getting annual income of Rs. 227655/-.



Fertigation unit installed in Banana field



Practice of precision farming in banana field



Vegetable - Amaranth



Name of farmer: K. P. Mohammed

Address: Kaavancheri.

Kerala:

Age: 65

Education: SSLC

Size of land holding (in acre): 2 acre (on lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	2	34.8 Q	69600	19600
Hort. Crop 1	Bhindi	2 (summer crop)	80 Q	168000	82848
Total		2 Acre		237600	102448

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	2	45.52 Q	113800	48870	30.8	149.33
Hort. Crop 1	Bhindi	2 (summer crop)	120Q	298056	166538	50	101.01
Total		2 Acre		411856	215408		110.2

Brief: The farmer used to get annual income of Rs. 102448/- from paddy and bhindi (summer crop). He faced problems like low yield and pest and disease incidence in paddy and bhindi etc. With DFI interventions like scientific nutrient management, integrated pest and high yielding YMD resistant bhindi variety CoBhh1., he is getting annual income of Rs. 215408/-.



Rice fallow



Cultivation of High yielding bhindi variety in rice fallow



Name of farmer: Basheer K. P.

Address: Kannamparambil House, Thavanur

Kerala:

Age: 56

Education: tenth

Size of land holding (in acre): 1.3 acre (on lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	0.40 Acre	4.5Q	9450	4839
Hort. Crop 1	Coconut	0.90 Acre	620nuts/year	7440	3440
Total		1.3 Acre		16890	8279

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	0.4 Acre	5.7 Q	16245	6245	26.67	29.11
Hort. Crop 1	Coconut	0.9 Acre (105 palms)	4500nuts/year	63000	13000	625.8	277.9
Total		1.3 Acre		79245	19245		132.4

Brief: The farmer used to get annual income of Rs. 8279/- from paddy, coconut etc. He faced problems of low productivity and pest and disease incidence due to lack of scientific management of crops. With DFI interventions like integrated nutrient management, bio control of rice bugs with entomopathogenic fungi, diagnostic visits and timely advisory services, he is getting annual income of Rs. 19245/-.



Coconut garden



Paddy field



Name of farmer: Hamza moolathil
Address: Moolathil House, Paloor, Pulamanthole
Kerala:
Age: 64
Education: SSLC
Size of land holding (in acre): 2.8acre (lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.80 Acre	32.4Q	64800	16800
Hort. Crop 1	Coconut	0.5+0.5Acre	2275nuts/year	27300	12625
Hort. Crop 2	Arecanut	(Intercrops)	1.2Q	24000	4500
Total		2.8 Acre		116100	33925

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.8 Acre	41.4 Q	117990	65790	27.77	291.6
Hort. Crop 1	Coconut	0.5+0.5Acre	3690nuts/year	48100	18100	62.1	43.3
	Arecanut		1.5Q	45000	22000	25.0	388.8
Total		2.8 Acre		211090	105890		212.1

Brief: The farmer used to get annual income of Rs. 33925/- from Paddy, Coconut, Arecanut etc. He faced problems like low productivity, pest and disease incidence etc. With DFI interventions like awareness on Integrated nutrient management, diagnostic services, management of diseases and supply of biocontrol agents through FLD etc., he is getting annual income of Rs. 1,05,890.



Paddy field



Coconut and arecanut garden



Name of farmer: Sivasankaran U. P.
Address: Urangattu parambil House, Paloor, Pulamanthole
Kerala:
Age: 68
Education: High School
Size of land holding (in acre): 4.4 acre (on lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3.50 Acre	66.5 Q	133000	48350
Field Crop 2	Tapioca	0.5 Acre	14.5Q	11600	3350
Hort. Crop 1	Vegetables	0.4 acre	12.5Q	38500	18500
Total		4.4 Acre		183100	70200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3.5Acre	75.75Q	215887	102137	13.9	111.25
Field Crop 2	Tapioca	0.5 Acre	25Q	42500	22500	72.4	571.64
Hort. Crop 1	Vegetables	0.4 Acre	22Q	75000	43000	76.0	132.43
Total		4.4 Acre		333387	167637		138.89

Brief: The farmer used to get annual income of Rs. 70200/- from Paddy, Tapioca, vegetables etc. He faced problems like low production, pest and disease incidence etc. With DFI interventions like advisory on scientific nutrient management, supply of biocontrol agents and know how on new technologies through FLD etc., he is getting annual income of Rs. 167637/-.



Spraying cowdungslurry + pseudomonas solution to manage bacterial leaf blight



Harvesting of Tapioca



Name of farmer: Velayudhan U.P.
Address: Urangattu Parambil, Paloor, Pulamanthole
Kerala:
Age: 63
Education: SSLC
Size of land holding (in acre): 3.5 acre (lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.5 Acre	22Q	44000	22000
Hort. Crop 1	Banana	0.5 Acre	24Q	36000	14000
Total		2.0 Acre		80000	36000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3 Acre	58.5 Q	163800	85500	165.9	288.64
Hort. Crop 1	Vegetables	0.5 Acre	17Q	39100	21100	>100.00	>100.00
Total		3.5 Acre		202900	106600	25.0	196.11

Brief: The farmer used to get annual income of Rs. 36000/- from Paddy, banana, etc. He faced problems like low productivity, loss of crop in flood. With DFI interventions like scientific nutrient management, selction of suitable crops etc., he is getting annual income of Rs106600/-.



Vegetable plot – cucumber, Ridge gourd etc.

Paddy field



Name of farmer: **Rajesh K.**

Address: **Kottarakuthu, Elamkulam**

Kerala:

Age: **41**

Education: **SSLC**

Size of land holding (in acre): **1.59acre (lease)**

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Banana	0.59 Acre	41.6 Q	62400	30400
Field Crop 2	Tapioca	0.5 Acre	24Q	28800	14800
Total		1.09 Acre		91200	45200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Banana	0.59 Acre	54.4Q	141440	77440	30.7	154.7 4
Field Crop 2	Tapioca	0.5 Acre	32Q	54400	31900	33.33	115.54
Hort. Crop 1	Vegetables	0.5 Acre	12Q	28000	13000	>100.0	>100.00
Total		1.59 Acre		223840	122340	50.0	170.66

Brief: The farmer used to get annual income of Rs. 45200/- from banana, Tapioca, etc. He faced problems like low production, pest and disease incidence, less price to the product etc. With DFI interventions like advisory service on scientific nutrient management through out the cultivation, cultivation of more crops in available land etc., he is getting annual income of Rs. 122340/-.



Banana field



Harvested tapioca



Vegetables



Name of farmer: Faez

Address: Marangeri

Kerala:

Age: 32

Education: intermediate

Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	4	28800 nuts	64800	14800
Hort. Crop 2	Banana	1	72.00 q	171000	56000
Total				235800	70800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	4.0	37440 nuts	112320	57320	30	287.29
Hort. Crop 2	Banana	2.50	315 q	472500	101250	337	80.8
Hort. Crop 3	Vegetables	0.50	22 q	18500	12000	>100.00	>100.00
Hort. Crop 4	Tapioca	0.50	70 q	49000	23375	>100.00	>100.00
Hort. Crop 5	Turmeric	0.50	6 q	20800	18565	>100.00	>100.00
Total				673120	212510		200.15

Brief: The farmer used to get annual income of Rs. 70800 from sole cropping of coconut and banana. He has neglected growing intercrops and coconut also poor yielding due to lack of proper management. With DFI interventions like scientific management of coconut, establishing intercrops like vegetables and high yielding varieties of tubers and spices etc., he is getting an increased annual net income of Rs. 79560 from coconut by adopting scientific management practices. In addition, he is getting additional net income of Rs. 212510 in the production of other crops by utilizing the interspaces effectively.



Coconut garden



Effective utilisation of interspaces in coconut garden





Name of farmer: Narayanan

Address: Parappanagadi

Kerala:

Age: 67

Education: SSLC

Size of land holding (in acre): 2

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	2.00	19250 nuts	76992	43492
Hort. Crop 2	Vegetables	0.20 (as intercrop)	17.6 q	21120	13880
Total				98112	57372

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	2.00	23800 nuts	95196	59696	23.66	37.25
Hort. Crop 2	Vegetables	0.50	25 q	30000	14211	42.04	2.38
Hort. Crop 3	Ginger & Turmeric	1.00	48 q	153600	94500	>100.00	>100.00
Hort. Crop 4	EFY & Sweet potato	0.50	8 q	6400	3900	>100.00	>100.00
Total				285196	172307		200.32

Brief: The farmer used to get annual income of Rs. 98112 from coconut and intercropping vegetables in small portion. He faced problems like pest and disease infestation in his coconut garden and non utilization of available interspaces properly. With DFI interventions like scientific coconut management and intercropping by utilizing the available space with suitable crop components using improved varieties, he is getting annual income of Rs.285196. in addition to this, he is planning to include animal component also to shift his farming activity towards more sustainable manner.



Effective utilisation of coconut garden by intercropping spices, tubers and vegetables



Name of farmer: Uvais C.K
Address: Cherukad House, Anakkayam
Kerala:
Age:23
Education: Plus two
Size of land holding (in acre):0.05

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Other enterprise	Editing & Photography	-	-	-	102000
Total		-	-	-	102000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other enterprise (Oyster and Milky Mushroom)	Oushadi Mushrooms	1000 sq.ft	12q	360000	204000	100	100.00
Total		1000 sq.ft	12q	360000	204000		100

Brief: The farmer used to get annual income of Rs. 1,02,000/- from photography works. He faced problems due to lock down. With KVK interventions like technical guidance and training in mushroom cultivation and regular supply of spawn, he is getting annual income of Rs.2,04,000. In addition to this, he is planning to widen the mushroom cultivation and trying for value addition.





Name of farmer: Babini
Address: Panekkatt House, Sukapuram, Naduvattam
Kerala:
Age: 35
Education: Diploma (Civil)
Size of land holding (in acre): 2 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.5	18Q	36000	21000
Hort. Crop 1	Banana	0.15	15Q	22500	12200
Total		1.65		58500	33200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.5	22Q	61600	24100	22.22	14.76
Field Crop 2	Sweet potato	0.50	2.4Q	3600	2000	>100.00	>100.00
Livestock 1	Poultry (Egg)	25 Nos.	3000 Nos.	27000	15300	>100.00	>100.00
Other enterprise (Processing unit)	Ruchi Food Processing Unit		Fruit Jam- 1q Squash-150 litre	46,000	25,000	>100.00	>100.00
Total		2.0		138200	66400		100

Brief: The farmer used to get annual income of Rs.33200 /- from paddy and banana. With timely KVK interventions and EDP trainings she is getting an annual income of Rs. 66400/-.





Name of farmer: Prince V.T
Address: Valantharayil House
Kanhiramukku Post, Ponnani
Kerala: Age:26
Education: Degree
Size of land holding (in acre): 0.06

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Income from other sources	Private Employee	-	-	90000	87000
Total		-	-	90000	87000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other enterprise (Oyster Mushroom)	Nutri Miller	400 beds	9q	270000	174000	>100.00	>100.00
Total		400 beds	9q	270000	174000		100

Brief: The farmer used to get annual income of Rs.87000/- from private job. He attended training on cultivation of mushroom and spawn at KVK, he started mushroom production and now he is getting an annual income of Rs. 174000 /-.





Name of farmer: Shanmugham
Address: Thottiyil House, Thanalur Post, Malappuram
Kerala:
Age:49
Education:7th Class
Size of land holding (in acre):0.04

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Income from other sources	(Tailoring)	-	-	144000	125000
Total		-	-	144000	125000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other enterprise	Tailoring	-	-	-	156000	-	8.3
Oyster Mushroom		350 beds	7.2q	180000	120000	>100.00	>100.00
Total		359 beds	7.2q	180000	276000	-	120

Brief: The farmer used to get an annual income of Rs.125000/- from tailoring. He approached KVK for mushroom cultivation training. He started mushroom cultivation along with tailoring and he is purchasing mushroom spawn regularly from KVK. Now he is getting an annual income of Rs. 276000 /- .





Name of farmer: Shanthi V. C
Address: Kadanchira House
Kerala: Age:54
Education: 10th
Size of land holding (in acre): 0.05

1) Before intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Income from other sources	Daily wage	-	-	-	36000
Total		-	-	-	36000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other enterprise (Oyster Mushroom)	Naveen Mushrooms	50 beds	3.6q	108000	90000	100	150.0
Total		50 beds	3.6q	108000	90000		150.0

Brief: The farmer used to get annual income of Rs.36000/- from daily wage labour. With KVK interventions like mushroom cultivation training and regular supply of mushroom spawn, she started enterprise and now she is getting an annual income of Rs. 90000 /-.





Name of farmer: Silpa P.
Address: Puthillan House, Anakkayam Post
Kerala:
Age: 26
Education: B.Sc. Physics
Size of land holding (in acre):0.65 Acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	0.50	2250 Nuts	33750	21250
Income from pvt. job	-	-	-	-	24000
Total		0.50	2250 Nuts	33750	45250

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	0.50	2500 Nuts	40000	27500	11.11	29.4
Other enterprise (Oyster Mushroom)	Mycoon Mushrooms	500 beds	7.3q	1,92,000	107520	>100.00	>100.00
Total		0.50	-	232000	135020	-	198.4

Brief: The farmer used to get annual income of Rs.45,250/- from coconut and private job. Upon interest she started mushroom cultivation. With KVK interventions like technical guidance and regular supply of mushroom spawn, she is getting an annual income of Rs. 1,35,020 /-.





Name of farmer: Abdu Palliyalil

Address: Palliyalil house , Valappuram, Pulamanthole ,

Kerala:

Age: 68

Education: Primary

Size of land holding (in acre): 2.5 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2.5 acre	25 Q	47500	22500
Total		2.5 acre	25 Q	47500	22500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2.5	47.5 Q	118750	73750	90	227.78
Total		2.5	47.5 Q	118750	73750		227.78

Brief: The farmer used to get annual income of Rs. 22500 from rice cultivation . He faced problems like high acidity, pest & diseases, low yield from paddy cultivation . With DFI interventions like adoption of soil test based nutrient management protocol , soil health rejuvenation by insitu green manuring by daincha, adoption of high yielding paddy varieties, use of bio control agents for pest management, diagnostic field visits and timely advisory services, he is getting annual income of Rs73750.



Pseudomonas for effective plant protection



Soil health rejuvenation by green manuring



Name of farmer:Hamza Kuppottil
Address:Kuppottil House, Pariyappuram, Anamangad
Kerala:
Age: 70
Education: Primary
Size of land holding (in acre): 3.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	3.5	14259 nuts	122220	30361
Total		3.5	14259	122220	30361

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	3.5 acre	14357 nuts	123060	47051	0.7	55
Hort. Crop 2	Banana	0.2 acre 200 nos (intercrop)	30 Q	54525	24525	>100.00	>100.00
Total		3.5 acre		177585	71576		135.7

Brief: The farmer used to get annual income of Rs. 30361 from coconut cultivation. He faced problems like low productivity of coconut, severe button shedding, incidence of rhinoceros beetle and severe drought in his homestead. With DFI interventions like scientific nutrient management, moisture conservation techniques by husk burial, intercropping by high value crop i.e., *Njalipoovan* banana, use of *Trichoderma* rich organic manure, use of micronutrient mixtures, advisory services, he is getting annual income of Rs. 71576 from 3.5 acre from his farm. He also started recycling of waste by vermicomposting techniques.



Low productive coconut yield- before DFI intervention



Multi-storied cropping in coconut- after DFI intervention



Name of farmer: Khalid Kallethodi

Address: Kallethodi House, Valappuram, Pulamanthole

Kerala:

Age: 65

Education: Primary

Size of land holding (in acre): 12 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	6 acre	66Q	118800	62500
Total		6 acre	66 Q	118800	62500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Rice	12 acre	216 Q	475200	175000	227	180
Field Crop 2	Pulse (green gram cowpea)	2 acre (summer crops)	5 Q	24000	10000	>100.00	>100.00
Hort. Crop 1	Vegetable cowpea	0.5 acre (Summer crop)	4 Q	450000	20000	>100.00	>100.00
Total		12 acre	225 Q	949200	205000		228

Brief: : The farmer used to get annual income of Rs. 62500 from paddy cultivation. He faced problems like pest & incidence, soil acidity, poor soil health, flood etc. With DFI interventions like, adoption of protocols for scientific cultivation of paddy, in-situ green manuring, soil test based nutrient management, timely advisories, he is getting annual income of Rs 205000/-



Low productivity & poor crop health in rice ecosystem – before DFI



Soil health rejuvenation by in-situ green manuring





Name of farmer: Hussain P T

Address: Pulakkattuthodi House Valappuram, Pulamanthole

Kerala:

Age: 45

Education: SSLC

Size of land holding (in acre): 7 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4 acre	52 Q	119600	39600
Total		4 acre	52 Q	119600	39600

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	5	100.5 Q	251250	96250	93	143.06
Hort. Crop 1	Amorphophallus	1	162 Q	131200	61200	>100.00	>100.00
Hort. Crop 2	Banana	1	135 Q	375000	115000	>100.00	>100.00
Total		7acre		757450	272450		588.01

Brief: The farmer used to get annual income of Rs. 39600 from paddy cultivation. He faced problems like low yield & high pest & disease incidence. With DFI interventions like Good Agricultural practices in Paddy cultivation, crop diversification by high value crops & Integrated nutrient management, he is getting annual income of Rs 272450



Farmer participatory paddy seed production plot

Banana – Amorphophallus intercropping model plot



Name of farmer:Kadeeja PT

Address:Pulakattuthodi House Valappuram, Pulamanthole

Kerala:

Age: 55

Education: SSLC

Size of land holding (in acre): 4 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4 acre	44 Q	101200	29200
Total		4 acre	44 Q	101200	29200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4 acre	72 Q	180000	80000	63.64	173.97
Field Crop 2	Greengram/cow pea	1 acre (intercrop)	4 Q	30000	19000	>100.00	>100.00
Total		4 acre		210000	99000		239.04

Brief: The farmer used to get annual income of Rs. 29200 from paddy cultivation . She faced problems like low yield, pest & diseases, poor soil health . With DFI interventions like adoption of scientific production protocol for paddy cultivation , high yielding variety, crop rotation by pulse, she is getting annual income of Rs 99000.



Brown leaf spot affected field- before DFI intervention



Direct sown paddy crop- variety Jyothi



Name of farmer: Kuttan Vengattupalliyalil

Address: Vengattupalliyalil house, Valapuram, Pulamanthole

Kerala:

Age: 54

Education: 8th standard

Size of land holding (in acre): 8.5 acre(lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4.5	70 Q	160000	65000
Total		4.5	70 Q	160000	65000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy	6	100 Q	260000	90000	43	38
Hort. Crop 1	Tapioca	2	120 Q	96000	56000	>100.00	>100.00
Hort. Crop 2	Amorphophallus	0.5	82 Q	65600	28600	>100.00	>100.00
Total		8.5	302 Q	421600	174600		169

Brief: The farmer used to get annual income of Rs.65000 from paddy and tapioca cultivation. He faced problems like high fluctuation in market price of tapioca, low yield in paddy, high diseases and pest incidence in paddy, high soil acidity. With DFI interventions like soil test based nutrient management protocol in paddy, new high yielding varieties, crop diversification, soil health rejuvenation by in-situ green manuring., he is getting annual income of Rs 174600.



Low productive field – before DFI intervention



- Amorphophallus field – new crop introduction
- In-situ green manuring
- Scientific production protocol for paddy
- – After DFI intervention



Name of farmer: Abdul Latheef Parambil Peediyekkal

Address: Parambil peediyekkal house, Kuruvambalam , Pulamanthole

Kerala:

Age: 37

Education: Pre Degree

Size of land holding (in acre): 5.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1 .25	12.4 Q	22320	4320
Hort. crop 1	Tapioca	1.5 acre	110 Q	77000	44000
Total		2.75 acre		99320	48320

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2.5	45.60 Q	114000	40000	267	825.93
Hort. crop 2	Tapioca	3	260 Q	182000	77000	136	75
Total		5.5 acre		296000	117000		142.14

Brief: The farmer used to get annual income of Rs. Rs 48320 from tapioca and paddy (short duration). He faced problems like water shortage in paddy crop, soil acidity , poor yield, high market price fluctuation in tapioca,. With DFI interventions like soil test nutrient management, High yielding long duration variety, adoption of scientific management practices , he is getting annual income of Rs 117000/. In addition his leadership as a farm leader could able to construct VCB in *Kuruvambalam Padasekharam* with financial assistance from state Agriculture department that leads to substantial increase in the paddy area from 2 ha to 20 ha & shift in short duration paddy to Long duration Paddy variety in *Kuruvambalam Padasekharam*.



VCB – Kuruvambalam padasekharam

Mechanical harvesting of paddy crop



Name of farmer: Ummer P T

Address: Pulakkattuthodi house , Pulamanthole, Malappuram

Kerala:

Age:

Education: SSLC

Size of land holding (in acre): 2 .5 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2 acre	24 Q	64400	22400
Total		2 acre	24 Q	64400	22400

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2 acre	40 Q	100000	44000	66 .67	96.43
Hort Crop 2	Banana (Nendran)	0.5 acre	49 Q	122500	62500	>100.00	>100
Total		2.5 acre		222500	106500	270	375 .45

Brief: The farmer used to get annual income of Rs. 22400 from paddy cultivation . He faced problems like low yield, poor soil health , high pest and diseases incidence in paddy cultivation. With DFI interventions like in situ green manuring by Daincha , soil acidity management, good agricultural practices & crop diversification with high value crop, he is getting annual income of Rs106500 .



Insitu green manuring by Daincha- DFI intervention



GAPs adopted Paddy cultivation- DFI intervention



Name of farmer:Aboobacker Thekkethil
Address:Thekkethil house, Pulamanthole
Kerala:
Age: 65
Education: SSLC
Size of land holding (in acre): 10.5 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	6 acre	90 Q	216000	108000
Total		6 acre	90 Q	216000	108000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Paddy	10 acre	220Q	550000	300000	144	177.78
Hort. Crop 1	Banana	0.5 acre	60 Q	150000	100000	>100.00	>100.00
Total		10.5 acre		700000	400000		270.37

Brief: The farmer used to get annual income of Rs. 108,000 from paddy cultivation . He faced problems like low paddy yield , high pest and diseases, poor soil health & flood . With DFI interventions like soil test based nutrient management & micronutrient and acidity correction, introduction of high value horticultural crop *ie.,Nendran* banana cultivation, he is getting annual income of Rs 400000/-



Flood affected paddy field



After DFI intervention- GAPs adopted rice field



Name of farmer: SHAJAHAN P

Address: Puthrukkavil (H), Perumukku, Alamkode P.O., Malappuram

Kerala:

Age: 51

Education: Deploma(Incomplete)

Size of land holding (in acre): 8 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3 acres	46.75Q	106800	31905(10635/acre)
Hort. Crop 1	Coconut	2.5 acres	15800 nos.	103200	82906
Total				210000	114811

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy (Mechanized)	5 acres	105 Q	262500	104700 (20940/ace)	34.79	228.16
Hort. Crop 1	Coconut	2.5 acres	18200 nos	145600	117000	15.19	41.12
Hort. Crop 2	Vegetables with Precision Farming Techniques					>100.00	>100.00
	Watermelon	50 cents	35Q	63000	32500		
	Cucumber	30 cents	21 Q	25200	7200		
	Bhindi	20 cents	15.5Q	23250	11250		
Total				519550	272650		137.48

Brief: The farmer used to get annual income of Rs. 114811/- from paddy and coconut etc. He faced problems like nutrient deficiency, lack of mechanization, lack of awareness about precision farming techniques in vegetables etc. With DFI interventions like nutrient management and mechanization in paddy and coconut, precision farming techniques in vegetables, he is getting annual income of Rs. 2,72,650/- . In addition, there is cost saving of Rs. 4500- /- per acre in the production of paddy straw.



Precision farming techniques in vegetables



Wild boar repellent equipment in the vegetable filed



Name of farmer: **JAYASREE A**

Address: **Karuvattumana, Sukapuram P.O., Naduvattom, Edapal**

Kerala:

Age: 52

Education: Degree (Incomplete) Size of land holding (in acre): 6 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.5 acre	28 Q	28000	12300
Livestock 1	Cow	2 Nos.	4320L 48 L/day	172800	88850
Other enterprise (Specify)	Food Processing		1.5q 150 kg/yr	18000	6000
Total				218800	1,07150

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	1acre	64 Q	96000	36000	14.29	192.68
Hort. Crop 2	Turmeric	0.5 acre	35 Q	105000	85000		
Livestock 1	Cow	4 Nos	11025 L	441000	222000	2.08	149.85
Other enterprise (Specify)	Food Processing		6q	90000	30000	300.0	400.00
Total				732000	373000		248.11

Brief: The farmer used to get annual income of Rs. 107150/- from vegetable cultivation, livestock, food processing etc. He faced problems like low yield, lack of machineries for food processing, water scarcity etc. With DFI interventions like training on food processing, awareness of precision farming techniques etc., he is getting annual income of Rs373000/-. In addition, there is cost saving of Rs. 20/- per day by using biogas plant as cooking gas.



Turmeric cultivation



Jayasree with processed food products



Name of farmer:Azees

Address:Konkayath

Kerala:

Age: 61

Education: 4th

Size of land holding (in acre): 13 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	11	77	177100	107100
Hort. Crop 2	Coconut	2	6400	160000	100000
Total		13 Acre			207100

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	11	132	369600	269600	71	150
Field Crop 2	Cowpea	3	50	140000	100000	100	100
Hort. Crop 1	Coconut	2	8000	200000	120000	25	20
Hort. Crop 2	Banana	1	70	210000	110000	>100.00	>100.00
Livestock 1	Chicken	30	3000	30000	30000	>100.00	>100.00
Livestock 2	Duck	12	1500	18000	18000	>100.00	>100.00
Total		13 Acre		967600	647600		212.00

Brief: The farmer used to get annual income of Rs. 207100 from Paddy cultivation, etc. He faced problems like lack of technical support, Pest & diseases, labour shortage etc. With DFI interventions like recommendation of high yielding varieties, summer fallow cultivation of cowpea, introduced banana in his coconut garden, Integration of chicken & Duck in homesteads etc., he is getting annual income of Rs.647600





Name of farmer:Achuthan
Address:Chakkath
Kerala:
Age: 64
Education: Pre degree
Size of land holding (in acre):2.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	2.5	20	103500	73500
Total		2.5 Acre		103500	73500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	2.5	50	160000	110000	150	50
Field Crop 2	Sesame	2.5	18	162000	122000	>100.00	>100.00
Total		2.5 Acre		322000	232000		215.65

Brief: The farmer used to get annual income of Rs. 73500 from Paddy cultivation. He faced problems like low production from local cultivar, labour shortage, lack technical support etc. With DFI interventions like recommendation of high yielding varieties, sesame cultivation in summer rice fallows, Agromet advisories for crop management etc., he is getting an annual income of Rs.232000.





Name of farmer: Alavi Srmbikkal
Address: VattapprakunnuHouse,
 Palakathode, Pulpatta
Kerala:
Age: 54
Education: SSLC
Size of land holding (in acre): 60 cent

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Cowpea	0.3	13 Q	36400	27000
Hort. Crop 2	Bitter gourd	0.3	17 Q	37400	26000
Livestock 1	Goat	2	Meat production purpose	30000	15000
Livestock 2	Buffalo	1	Meat production purpose	50000	25000
Total		0.6 Acre		153800	93000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Hort. Crop 1	Cowpea	0.3	24 Q	60000	45000	84.62	66.67
Hort. Crop 2	Bittergourd	0.3	25 Q	57500	40000	47	53.85
Livestock 1	Goat	5		125000	60000		
Livestock 2	Buffalo	1		75000	40000		
Livestock 3	Duck	25	3200 eggs	32000	20000	>100.00	>100.00
Livestock 4	Fish	100	75	9000	5000		
Total		0.6 Acre		358500	210000		125.81

Brief: The farmer used to get annual income of Rs. 93000 from Cowpea, Bitter gourd, Goat and Buffalo etc. He faced problems like pest and diseases, wild boar attack, low yield, lack of technical support etc. With DFI interventions like Cue lure pheromone trap, Boarub, Rhizobium inoculation lime pelleting in Cowpea, recommendation of High yielding varieties etc., he is getting annual income of Rs 210000.





Name of farmer:Unnikrishnan

Address:Vallarpadath

Kerala:

Age: 68

Education: 7th

Size of land holding (in acre): 5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	5	45	103500	63500
Total		5 Acre		103500	63500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	5	60	168000	108000	33.33%	70.08
Field Crop 2	Sesame	2.5	40	360000	320000	>100.00	>100.00
Total		5 Acre		528000	428000		574.01

Brief: The farmer used to get annual income of Rs. 63500 from paddy cultivation. He faced problems like low yield from local cultivar, lack of technical support, pest and diseases, labour shortage etc. With DFI interventions like recommendation of high yielding varieties, sesame in summer rice fallows, agromet advisories etc., he is getting annual income of Rs. 428000.





Name of farmer: Abdul Latheef E

Address: Erooth House, Chembrasserri East.

Kerala:

Age: 62

Education: Diploma

Size of land holding (in acre): 1.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.5 Acre	40 Q	180000	100000
Field Crop 2	Coconut	0.5	900	19800	9000
Total		1 Acre		199800	109000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.5 Acre	70 Q	280000	200000	75	100
Field Crop 2	Coconut	0.5	1650	36300	20000	83	122
Hort. Crop 2	Banana	0.1 acre 100 Nos	7 Q	30000	18000	>100.00	>100.00
Total		1.5 Acre		346300	238000		118.35

Brief: The farmer used to get annual income of Rs. 109000 from coconut and tapioca. He faced problems like Lack high yielding varieties of tapioca, Lack of scientific nutrient management in coconut, Lack of effective utilization of available land etc. With DFI interventions like Introduction of high yielding tapioca varieties, Scientific nutrient management in coconut, Introduction of banana as an intercrop in arecanut garden etc., he is getting annual income of Rs238000.





Name of farmer: Prajod
Address: Puthanpulli (H), Madirasseri
Kerala:
Age: 36
Education: SSLC
Size of land holding (in acre): 0.3

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Fodder	0.05 Acre	Used as feed	-	-
Hort. Crop 1	Coconut	0.3 acre 45 Nos	800 nuts	17600	10000
Livestock 1	Goat	15 Nos	4 Nos	36000	20000
Livestock 1	Duck	70 Nos	7500 Eggs	75000	40000
Livestock 3	Fish	300 Nos	200 Nos	20000	10000
Total		0.3 Acre		148600	80000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Fodder	0.1	Used as feed	-	-	-	-
Hort. Crop 1	Coconut	0.3 acre 45 Nos	1800 Nos	40000	25000	125	150
Livestock 1	Goat	25 Nos	8 Nos	80000	50000	100	150
Livestock 2	Duck	150 Nos	18000 Eggs	180000	120000	140	200
Livestock 3	Fish	1000 Nos	8q	80000	45000	300	350
Total		0.3 Acre		380000	240000		200

Brief: The farmer used to get annual income of Rs. 80000 from Goat, Duck & Fish farming, Coconut cultivation etc. He faced problems like low productivity, limited availability of health services, pest and diseases, inadequate feed and fodder etc. With DFI interventions like veterinary support, introduction of high yielding breeds, provision of feed, high yielding fodder varieties etc.. he is getting annual income of Rs. 240000.





Name of farmer: Mohandas
Address: Padalil House, Tavanur
Kerala:
Age: 66
Education: SSLC
Size of land holding (in acre): 4.4 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	3.30	20 Q	46000	25000
Hort. Crop 1	Coconut	1.2	2000	25000	10000
Hort. Crop 2	Banana	0.2	10 Q	30000	18000
	Turmeric	0.2	16Q	56000	38000
Livestock 1	Cow	1	2100 L	79800	35000
Other enterprise (Specify)	Ayurvedic shop	1		120000	70000
Total		4.4 Acre			196000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	3.30	42 Q	117600	75000	110	200
Field Crop 2	Sesame, Cowpea	1.0	5.5 Q	27000	23500	>100	>100
Hort. Crop 1	Coconut	1.2	3000	50000	30000	50	200
Hort. Crop 2	Banana	0.2	14 Q	42000	29000	40	61
	Turmeric	0.2	20Q	80000	70000	25	56
Livestock 1	Cow	1	3000 L	150000	85000	33	142
Other enterprise	Ayurshop	1		120000	80000		
Total		4.4 Acre			392500		100

Brief: The farmer used to get annual income of Rs. 196000 from Rice, sesamum, cowpea, coconut, banana, cow etc. He faced problems like Pest & Diseases, labour shortage, flood, Instability in market price etc. With DFI interventions like Scientific nutrient management, Integrated pest and disease management, Mechanization, Agromet advisories etc., he is getting annual income of Rs 392500.





Name of farmer: Moideenkutty

Address: Ponnathu valappil Vattamkulam PO

Kerala:

Age: 65

Education: 5th

Size of land holding (in acre): 0.60 + Leased 15 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	6	102 Q	163200	73200
Hort. Crop 1	Coconut	0.6 A 40	3000 nuts	22500	14500
Hort. Crop 2	Arecanut	0.6 A 200	0.75 Q	16500	6500
Livestock 1	Cow	2	7300 litres	244800	98800
Total				447000	193000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	15	375 Q	1012500	562500	267	684
Hort. Crop 1	Coconut	0.6 A(40)	5500 nuts	82500	70500	83	386
Hort. Crop 2	Arecanut	0.6 A (300)	1.19 Q	38080	15580	58	139
Livestock 1	Cows	5	17600 litres	809600	353350	141	257
Total				1942680	1001930		419

Brief: The farmer used to get annual income of Rs. 1,93,000 from rice, coconut, arecanut and cow rearing. He faced problems like low rice productivity in rice and coconut, lack of recycling, low mechanization etc. With DFI interventions like _use of seed drum, Paired row system and SRI system in rice , use of PPFM and integration of biogas technology, he is getting annual income of Rs_1001930 . The milk being superior in quality, the MILMA offers premium price@46/- per litre. The total production of rice at base year was 102Q from 6 A and has reached at 375Q in 2020 from 15 acres.



Rice fields before intervention



Adoption of paired row system in rice

Effect of DFI intervention**Name of KVK: Malappuram****Name of farmer: Ibraheem****Address: Ponnani****Kerala:****Age: 65****Education: SSLC****Size of land holding (in acre): 3****1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	1 (1 season)	15	27000	9000
Hort. Crop 1	Coconut	2.00	17000 nuts	68000	53000
Total				>100.00	>100.00

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	1	20	50000	24000	33.33	166.00
Field Crop 2	Summer Pulse	1 (summer crop)	2	12000	7000	>100.00	>100.00
Hort. Crop 1	Coconut	2.00	20400 nuts	115600	85600	20.00	61.50
Hort. Crop 2	Vegetables	0.20	15	44000	28000	>100.00	>100.00
Total				221600	144600		133.23

Brief: The farmer is having low land for rice cultivation and 2 acres of coconut garden and he used to get annual income of Rs. 62000 from his land. He had not utilized his low land properly. In his upland he faced problems like pest and disease infestation in his coconut garden and non utilization of available interspaces properly. With DFI interventions, he has started raising pulse crops like cow pea and green gram as summer fallow crop after the rice crop. He started practicing scientific coconut management and intercropping using high yielding vegetables by utilizing the available space, he is getting annual income of Rs.144600 in addition to this, he is planning to include animal component in future.

1st season Rice

Vegetables in coconut garden



Summer pulse



Name of farmer: Vasudevan

Address: tirur

Kerala:

Age: 54

Education: graduate

Size of land holding (in acre): 2.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	0.50 (1 season)	6	18800	8500
Hort. Crop 1	Coconut	1.00	6800 nuts	20400	8400
Hort. Crop 2	Black pepper	100 nos.	5	75000	50000
Total				114200	66900

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	0.50	10	25000	15500	66.66	82.35
Field Crop 2	Vegetables	0.50	25	30000	17000	>100.00	>100.00
Hort. Crop 1	Coconut	1.00	9350 nuts	56100	34100	37.5	305.95
Hort. Crop 2	Black pepper	125 nos.	10	220000	195000	100.00	290.00
Total				331100	261600		291.03

Brief: The farmer used to get annual income of Rs. 66900 from rice, coconut and intercropping black pepper. He faced problems like pest and disease infestation in his coconut garden. He was raising only one rice crop and keeping the land fallow for remaining summer months. With DFI interventions like scientific coconut management and intercropping by utilizing the available space, he is getting annual net income of Rs.261600. in addition to this, he has started growing vegetables like, cowpea, tomato, ash gourd etc. in the summer fallow. He is cultivating cabbage and cauliflower during winter. and getting an additional net income of Rs. 261600.



Effective utilisation of coconut garden by intercropping vegetables , black pepper



Name of farmer: Kunjoudu

Address: Rangatoor

Age: 51

Education: eighth

Size of land holding (in acre): 1.5 (leased land) + 0.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	1.50	140.50	309100	91600
Hort. Crop 2	Coconut	0.50	3150 nuts	14700	6200
Total				323800	97800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	1.5 (lease land)	210.25	525625	225625	49.64	146.31
Hort. Crop 2	Coconut	0.50	3950 nuts	19750	9800	25.39	58.06
Total				545375	235425		140.73

Brief: The farmer used to get annual income of Rs. 97800 from his banana crop and which mostly cultivating in lease land. The banana yield levels are not in line with the production performance of Nendran variety. He faced problems like pest particularly the weevil, and several diseases. With DFI interventions he undergone training at KVK and conducted demonstrations like scientific management of banana rhizome and pseudostem weevil, and integrated disease management in banana, integrated nutrient management protocols including the use of micronutrients formulations like sampoorana and ayar improved the production potential considerably. The market oriented cultivation has improved his earnings from banana crop to 146 percent. He also has small area of coconut based homestead. He is getting annual income of Rs.235425.



Scientific management of banana



Scientific management of banana



Name of farmer: Abdulla

Address: Rangatoor

Kerala:

Age: 61

Education: SSLC

Size of land holding (in acre): 2

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Banana	2.00	119	261800	108800
Total				261800	108800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Banana	2.0	220	484000	275500	84.87	153.21
Total				484000	275500		153.21

Brief: The farmer used to get annual income of Rs. 108800 from banana crop. The banana yield levels are not in line with the production performance of Nendran variety. He faced problems like pest particularly the weevil, and several diseases. With DFI interventions he undergone training at KVK and conducted demonstrations like scientific management of banana rhizome and pseudostem weevil, and integrated disease management in banana, integrated nutrient management protocols including the use of micronutrients formulations like sampoorana and ayar improved the production potential considerably. The market oriented cultivation has improved his earnings from banana crop to 153 percent. He is getting annual income of Rs.275500.



Scientific cultivation of banana

Name of farmer: Alavikutty

Address: Kalodi, Kalpakangery, Malappuram

Kerala:

Age: 57

Education: SSLC

Size of land holding (in acre): 1.40

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	1.0	4200 nuts	38496	21746
Hort. Crop 2	Arecanut	1.0 (intercrop)+ 0.20 (sole crop)	10.50	126000	66000
Hort. Crop 3	Betel vine	1.0 (in most of arecanut palms)	1200 bundles	24000	7000
Total				188496	94746

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	1.0	12300 nuts	90200	65200	192.85	199.82
Hort. Crop 2	Arecanut	1.0+ 0.20	11.20	425600	305600	6.66	363.03
Hort. Crop 3	Betel vine	0.30	500 bundles	12500	7125	-58.33	1.70
Hort. Crop 5	Banana (ic)	0.30	36.00	72000	50400	>100.00	>100.00
Livestock 1	Cow	2 nos	3600 L	187200	67200	>100.00	>100.00
Others	Honey bee	6 box	-	2500	500	>100.00	>100.00
Total				790000	496025		423.53

Brief: The farmer used to get annual income of Rs. 94746 from his 1.5 acre land and coconut and arecanut with betel vine was the major crops. He faced problems like pest and disease infestation in his coconut garden and non utilization of available interspaces properly. With DFI interventions like scientific coconut management and intercropping banana, by utilizing the available space, incorporation of bee hives and rearing of livestock in the farming system he is getting annual income of Rs.496025. in addition to this, he is getting assistance from the agriculture department as part of 'jaivagriham' scheme.



Effective utilisation of coconut garden



Name of farmer: Muhamed Musthafa

Address: Padathodi, Malappuram

Kerala:

Age: 33

Education: graduate

Size of land holding (in acre): 2.5 (lease land)+

0.50 (own land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	0.50	2700 nuts	14400	6150
Hort. Crop 2	Arecanut	0.50 (intercrop)	0.40	72000	46800
Hort. Crop 3	Betel vine	100 nos. (in most of arecanut palms)	480 bundles	10560	3000
Hort. Crop 4	Vegetables	2.5	175	195000	87750
Total				291960	143700

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	0.50	5400 nuts	43200	25200	100.00	309.75
Hort. Crop 2	Arecanut	0.50	0.60	228000	166000	50.00	254.70
Hort. Crop 3	Betel vine	100 nos.	600 bundles	13200	6075	25.00	102.50
Hort. Crop 4	Vegetables	2.5	250	312500	158500	42.85	80.62
Livestock 1	Goat	10 nos.	2.50	72000	48000	>100.00	>100.00
Total				668900	403775		180.98

Brief: The farmer used to get annual income of Rs. 143700 from his farming activity and his major production and income is generated from vegetable cultivation. He faced problems in synchronization of various crops and lack of management of intercrops lead to low yield. With DFI interventions like scientific coconut management and management of intercrops like arecanut and betel vine by utilizing the available land with sequenced vegetable cultivation, and rearing of goat, he is getting annual income of Rs.403775. He also started on farm composting which helps to reduce the input cost of manures.



Effective utilisation of coconut garden



Vegetable cultivation

Name of farmer: Kunjithukutty

Address: Randathani, Malappuram

Kerala:

Age: 48

Education: SSLC

Size of land holding (in acre): 2.0 (lease land)+

2.1 (own land)

1) Before intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	2.00	12700 nuts	76200	50200
Hort. Crop 2	Arecanut	0.50 (intercrop)	2.70	67500	32500
Hort. Crop 3	Betel vine	50nos.	80 bundles	2560	1200
Hort. Crop 4	Vegetables	1.0 (low land)	175.00	210000	122000
Total				356260	205900

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	2.00	18600 nuts	181600	125800	46.45	150.59
Hort. Crop 2	Arecanut	0.50	3.5	133000	96000	29.62	195.38
Hort. Crop 3	Tapioca	1.00	220	198000	110000	46.85	11.06
Hort. Crop 4	Vegetables	0.50	37.0	44400	25500	-57.71	20.25
Livestock 1	Cow	2nos.	1800 L	93600	57100	>100.00	>100.00
Total				650600	414400		101.26

Brief: The farmer used to get annual net income of Rs. 205900 from coconut intercropped arecanut and betel vine and low land having vegetables. He was using local vegetable types which lead to low yield. In coconut cropping system he faced problems like pest and disease incidence and poor yield. With DFI interventions like scientific coconut and arecanut management particularly the yellow disease of arecanut his total crop yield from the garden land was improved over the years. In the low land the introduction of few short duration cassava varieties in sequence with improved varieties of vegetables lead to increased output efficiency. He also started raising livestock and now he is getting assistance from the agriculture department as part of 'jaivagriham' scheme. he is getting annual income of Rs 414400



Effective utilisation of coconut garden



Goat unit



Tapioca

Name of farmer: Saidalikutty
Address: Poolakoden Malappuram
Kerala:
Age: 48
Education: SSLC
Size of land holding (in acre): 1.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	0.50	4200 nuts	22400	14250
Hort. Crop 2	Arecanut	0.50 (intercrop)	0.90	16200	11750
Hort. Crop 3	Tapioca	0.50	50.00	40000	26500
Total				78600	52500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	0.50	5300 nuts	44166	26666	26.19	87.12
Hort. Crop 2	Arecanut	0.50 (intercrop)	1.2	45600	31600	33.33	168.93
Hort. Crop 3	Nutmeg	35 nos. (intercrop)	0.90	31000	21000	>100.00	>100.00
Hort. Crop 4	Tapioca/ Vegetables	0.50	126	100800	66800	152.00	152.07
Hort. Crop 5	Banana	0.10	12.00	24000	12000	>100.00	>100.00
Total				245566	158066		201.07

Brief: The farmer used to get annual income of Rs. 52500 from one acre land where the main crops includes coconut, arecanut (intercrop) and tapioca in small portion. He lacuna include lack of proper awareness about scientific management of land and the palms also poor yielding. With DFI interventions like scientific coconut management and intercropping by utilizing the available space with suitable crop components like cultivating nutmeg, vegetables after short duration tapioca and banana by tapping the seasons properly, he is getting annual net income of Rs.158066.



Effective utilisation of coconut garden



Scientific cultivation of banana

Name of farmer: Abdu Rahiman

Address: Randathani, Malappuram

Kerala:

Age: 62

Education: SSLC

Size of land holding (in acre): 1.5



1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	1.50	10250 nuts	51240	28940
Hort. Crop 2	Nutmeg	0.50 (intercrop)	1.50	33000	17530
Livestock 1	Cow	2 nos. (1 calf)	2200L	77000	40500
Total				161240	86970

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	1.50	14375 nuts	114984	82984	40.24	186.74
Hort. Crop 2	Nutmeg	0.50 (intercrop)	2.0	68000	46000	33.33	162.40
Hort. Crop 3	Vegetables	0.25	15	21000	9000	>100.00	>100.00
Hort. Crop 4	Banana	0.50	60.00	120000	50000	>100.00	>100.00
Livestock 1	Cow	2 nos. (1 calf)	2700 L	135000	80500	22.72	98.76
Total				458984	268484		208.70

Brief: The farmer used to get annual income of Rs. 86970 from coconut intercropped nutmeg and a livestock. He faced problems like low yield of coconut due to pest and disease infestation and low yield of nutmeg. With DFI interventions like scientific coconut management and intercropping by utilizing the available space with suitable crop components like banana and vegetables, he is getting annual net income of Rs.268484. in addition to this, he is planning to include more livestock as it provide considerable income to the family.



Vegetable cultivation in interspaces of coconut garden



Scientific cultivation in coconut garden



Name of farmer: Ali Neduvanchery
Address: Randathani, Malappuram
Kerala:
Age: 58
Education: SSLC
Size of land holding (in acre): 4

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	4.00	14200 nuts	96262	60262
Hort. Crop 2	Black pepper	1.50 (intercrop)	3.4	85000	63000
Hort. Crop 3	Vegetables	0.25	15	21000	13200
Livestock 1	Cow	2 nos.	1600 L	56000	32000
Livestock 2	Poultry	20	2500 eggs	17500	12500
Total				275762	180962

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	4.00	18000 nuts	162000	87000	26.76	44.36
Hort. Crop 2	Black Pepper	1.50 (intercrop)	4.5	144000	99500	32.35	57.93
Hort. Crop 3	Vegetables	1.00	80	112000	64000	433.33	384.84
Hort. Crop 4	Banana	1.00	140	308000	99000	>100.00	>100.00
Livestock 1	Cow	7 nos.	3600 L	180000	42000	125.00	31.25
Livestock 2	Poultry	75	7000 eggs	70000	45000	180.00	260.00
Livestock 3	Goat	15	3.75	93750	73750	>100.00	>100.00
Total				1069750	510250		181.96

Brief: The farmer used to get annual income of Rs. 180962 from coconut intercropped black pepper and a livestock. He faced problems like low yield and improper resource utilization which resulted in the low output. With DFI interventions like scientific coconut management and intercropping by utilizing the available space with suitable crop components like banana and vegetables, he is getting annual net income of Rs.349500. in addition to this, he has increased the number of livestock and started raring goat, and able to earn a net income of Rs.510250.



Vegetable cultivation in interspaces of coconut garden



Scientific cultivation in fodder grass in coconut

Name of farmer: Abhilash P.P

Address: Chakkamparambil

Kerala: Age: 30

Education: B.com

Size of land holding (in acre): 3.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2.5	15	30000	10000
	Cucumber	0.5	15	18000	8000
	Bhindi	0.5	22	33000	22000
Total				81000	40000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2.5	30	84000	40000	>100.00	>100.00
	Amorphophallus	1.5	70	84000	55000	>100.00	>100.00
	Cowpea	0.5	36	108000	75000	>100.00	>100.00
	Cucumber	0.5	32	45000	30000	113.33	275
	Bhindi	0.5	42	75600	45000	90.91	104.55
Total				396600	245000		512.50

Brief: The farmer used to get annual income of Rs. 40000 from Paddy cultivation & Vegetables etc. He faced problems like lack of technical support, Pest & diseases, labour shortage etc. With DFI interventions like recommendation of high yielding varieties, summer fallow cultivation of cowpea, recommendation of Gajendra variety Amorphophallus etc., he is getting annual income of Rs.245000





Name of farmer: Rathnavathi

Address: Poothalassery, Athaloor

Kerala:

Age: 55

Education: Plus two

Size of land holding (in acre): 6 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	28.8	57600	30000
Hort. Crop 1	Banana	1	10	15000	7000
Hort. Crop 2	Coconut	1	2450 nuts	29400	15000
Total		6 Acre		102000	52000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	52	145600	80000	80.56	166.67
Hort. Crop 1	Sesame	1.5	2.8	25200	20000	>100.00	>100.00
Hort. Crop 2	Coconut	1	4900 nuts	64650	50000	100	233.33
Hort. Crop 3	Banana	1	12	28800	10800	20	54.29
Hort. Crop 4	Chilly, Tomato	0.5	60	90000	50000	>100.00	>100.00
Hort. Crop 5	Bhindi	0.5	40	70000	40000	>100.00	>100.00
Total		6 Acre		424250	250800		382.30

Brief: The farmer used to get annual income of Rs. 52000 from Paddy, Banana & Coconut etc. She faced problems like lack of knowledge on high yielding varieties, Pests and disease management etc. With DFI interventions like recommendation of high yielding varieties, summer fallow cultivation Sesame, recommendation of other summer vegetables in rice fallows etc., she is getting annual income of Rs.250800



Name of farmer: Ramani N P

Address: Chaithanya, Thavanur

Kerala: Age: 60

Education: BA

Size of land holding (in acre): 7 Acre



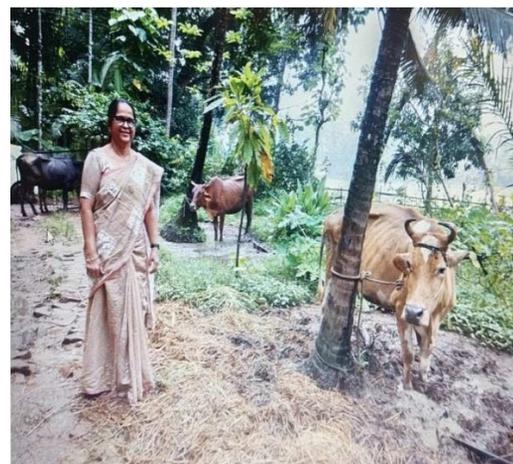
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	30	60000	30000
Hort Crop 1	Vegetables	4	184	200000	50000
Hort crop 2	Coconut	1.5	4200nos	33600	18600
Total		7 Acre		293600	98600

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	55	154000	80000	83	166.67
Hort Crop 1	Sesame. Cowpea	4	8	72000	60000	>100.00	>100.00
Hort crop 2	Coconut	1.5	6000	84000	44000	1052	136.36
Hort Crop 3	Vegetables	4	250	250000	100000	90	100.00
Livestock	Cattle	7Nos	14000L	500000	200000	>100.00	>100.00
Poultry	Poultry	40nos	3600 eggs	18000	8000	>100.00	>100.00
Total		7 Acre		1078000	492000		398.99

Brief: The farmer used to get annual income of Rs. 98600 from Paddy ,vegetables, coconut etc. She faced problems unfavorable weather, lack of high yielding varieties, labor shortage etc. With DFI interventions like recommendation of summer fallow cultivation of sesame, cowpea, summer vegetables, integrated farming system etc., she is getting annual income of Rs.492000





Name of farmer: Sasidharan T
Address: Thottathil, Thavanur
Kerala: Age: 60
Education: Degree
Size of land holding (in acre): 4 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	25	50000	30000
Total		4 Acre		50000	30000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	54	151200	80000	116	166.67
	Vegetables	4	192	230400	180000	>100.00	>100.00
Total		4 Acre		381600	260000		766.67

Brief: The farmer used to get annual income of Rs. 30000 from Paddy cultivation, etc. He faced problems like lack of technical support, marketing problems etc. With DFI interventions like recommendation of high yielding varieties, marketing of his produce through eco shops, Nattuchanda etc. he is getting annual income of Rs.260000





Name of farmer: Subramanyan

Address: Thavanur

Kerala:

Age: 62

Education: SSLC

Size of land holding (in acre): 10 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	10	76	152000	75000
Total		10 Acre		152000	75000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	10	160	448000	390000	110	420
Total		10 Acre		448000	390000		420

Brief: The farmer used to get annual income of Rs. 75000 from Paddy cultivation, etc. He faced problems like lack of technical support, labour shortage etc. With DFI interventions like recommendation of high yielding varieties, machine transplantation of paddy etc., he is getting annual income of Rs.390000





Name of farmer: Abbas K.

Address: Kambrath House, S/o Unnen Aalipparambu

Kerala:

Age: 40

Education: S S L C

Size of land holding (in acre): 1.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1 acre	18 Q	36000	19000
Total					

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Paddy	1	25	67500	39000	38	105.26
Hort. Crop 1	Amorphophallus	1 acre (sequential cropping)	180	270000	195000	>100.00	>100.00
Hort. Crop 2	Banana Nendran	0.5 acre	60	180000	90000	>100.00	>100.00
Total		1.5 acre	265	517500	324000		1605.26

Brief: The farmer used to get annual income of Rs19000 from paddy cultivation. He faced problems like poor yield , low soil health & low income, etc. With DFI interventions like rice based sequential cropping with Amorphophallus & introduction high yielding Nendran Banana with good Agricultural practices., he is getting annual income of Rs 324000.





Effect of DFI intervention

Name of KVK:Malappuram

Name of farmer:Abdul naser P

Address: S/o Aboobacker ,Pallathodi House, Kattuppara, Pulamanthole, Malappuram

Kerala: Age: 50

Education: Pre degree

Size of land holding (in acre): 8 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Tapioca	4 acre	280 Q	224000	198000
Total		4 acre	280 Q	224000	198000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Tapioca	6 acre	800 Q	480000	230000	90.48	16.16
Hort. Crop 2	Vegetables					>100.00	>100.00
	Cowpea	6 acre	36 Q	108000	58000		
	Bhindi (intercrops)	(intercrops)	12 Q	36000	16000	>100.00	>100.00
Hort. Crop 3	Banana	2 acre	340 Q	448000	188000	>100.00	>100.00
Total		8 acre	1188 Q	1072000	492000		148

Brief: The farmer used to get annual income of Rs. 198000 from tapioca cultivation. He faced problems like high pest & diseases , low yield, flood, drought, high acidity of soil etc. With DFI interventions like new high yielding short duration tapioca varieties , soil test based nutrient management, biofertilizer application, technical advisories, he is getting annual income of Rs 492000/-



VAM application in field

Harvest of high yielding *Sree Suvarna tapioca variety*



Name of farmer: Hassan Kambrath
Address: S/O Unnen Kambrath house , Aalipparambu
Kerala:
Age: 57
Education: 7th
Size of land holding (in acre): 2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2	30 Q	60000	22000
Hort. Crop 1	Vegetables Cucurbits	2(intercrop)	180 Q	113000	65000
Total		2 acre	210 Q	173000	87000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2	50	135000	78000	67	254.55
Hort. Crop 1	Amarphophallus (2	360	540000	290000	>100.00	>100.00
Hort. Crop 2	vegetables Cucurbits	2 (intercrops)	212	170000	90000	17.78	38.46
Total		2	622 Q	845000	458000		426.44

Brief: The farmer used to get annual income of Rs. 87000 from etc. He faced problems like low yield in paddy, high pest and diseases. With DFI interventions like cropping system management by introducing paddy- amorphophallus sequential cropping , Amorphophallus - cucurbits intercropping organic nutrient management . he is getting annual income of Rs 458000.





Name of farmer: Moideen A.

Address: S/O Pokker, Aripa House, Aalipparambu

Kerala:

Age: 58

Education: 5^h

Size of land holding (in acre): 0.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	0.5	8 Q	15000	6500
Hort crop	vegetable	0.5 acre	55Q	43250	30500
Total		0.5 acre	63Q	58250	37000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Paddy	0.5	12.5	33750	19500	56.25	200.00
Hort. Crop 1	Amarphophallus	0.5	95	135000	72500	>100.00	>100.00
Hort. Crop 2	vegetables Cucurbits	0.5(intercrop)	65	42500	37500	18.18	22.95
Total		0.5	172.5 Q	211250	129500		250

Brief: The farmer used to get annual income of Rs. 37000 from paddy cultivation. He faced problems like low yield in paddy, high pest and diseases & low income. With DFI interventions like inclusion of Amorphophallus in rice based cropping system, cucurbitaceous vegetable in intercropping in Amorphophallus and adoption of GAP in crop production, he is getting annual income of Rs 129500 from 0.5 acre.





Name of farmer: Sameer Korambi

Address: Korambi House , Manalaya, Aalipparambu

Kerala:

Age: 43

Education: Pre Degree

Size of land holding (in acre): 5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	5 acre	50000 nuts	425000	150000
Total		5 acre	50000 nuts	425000	150000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	5 acre	80000 nuts	840000	390000	60	160
Hort. Crop 2	Banana (Njalipoovan)	2 acre (intercrop)	100 Q	150000	90000	100	100
Total		5 acre		990000	480000		220

Brief: The farmer used to get annual income of Rs.15000 from coconut cultivation. He is followed mono cropping of coconut cultivation. He faced problems like soil acidity, nut fall in coconut, high incidence of rhinoceros beetle etc. With DFI interventions like adoption of soil test based nutrient management protocol, in situ organic manuring, *Trichoderma* enriched manure, red palm/ rhinoceros beetle management, intercropping by Njalipoovan Banana, he is getting annual income of Rs 480000.



Supply of Trichoderma -



Field level management of redpalm weevil in coconut



Coconut field



Name of farmer: VijayaKrishnan P.

Address: Padinjakkara House, Changaramkulam

Kerala:

Age: 63

Education: Graduate

Size of land holding (in acre): 2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
	(Intercrops)	2.0Acre			
Hort. Crop 1	Coconut	(70 nos	10Q	33000	21100
Hort. Crop 2	Arecanut	300 nos	3Q	105000	69000
Hort. Crop 3	Cocoa	35 nos	0.5Q	8000	3000
Hort. Crop 4	Nutmeg	50 nos	0.3Q (nut) 0.04 Q(mace)	13800	3800
Hort. Crop 5	Banana	50nos)	7Q	10500	3000
Total			20.84	170300	99900

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
	(Intercrops)	2.0Acre					
Hort. Crop 1	Coconut	(70 nos	12.5Q	50000	36000	25	70.61
Hort. Crop 2	Arecanut	300 nos	4.5 Q	189000	138000	50	100.0
Hort. Crop 3	Cocoa	35 nos	0.3Q	4200	1700	-40	-43.33
Hort. Crop 4	Nutmeg	50 nos	0.5 Q(nut) 0.08 (mace)	27200	12200	66.67	221.05
Hort. Crop 5	Banana	70nos)	11.90 Q	28560	14560	70	385.3
Total			29.78	298960	202460		102.66

Brief: The farmer used to get annual income of Rs. 99900/- from coconut, Arecanut, Cocoa, Nutmeg, Banana etc. He faced problems of low productivity, due to lack of proper planning and scientific management of crops. With DFI interventions like integrated nutrient management, secondary nutrient application and timely advisory services, he is getting annual income of Rs. 202460/-.



Homestead garden with coconut, arecanut and intercrops, nutmeg, cocoa, banana etc



Name of farmer: Sukumaran
Address:, Paloor, Pulamanthole
Kerala:
Age: 69
Education: High school
Size of land holding (in acre): 2.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2.40 Acre	36.5Q	73000	23000
Hort. Crop 1	vegetables	0.10 Acre	3.5Q	2800	1300
Diary	Cow	2(lactating 1)	1825L	69350	18875
Total				145150	43175

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2.40 Acre	43Q	120400	44000	17.8	91.3
Hort. Crop 1	Vegetables	0.10 Acre	5Q	6000	2500	42.8	92.3
Diary	Cow	2 (lactating)	3675L	165375	67375	101.36	256.95
Total				291775	113875		163.75

Brief: The farmer used to get annual income of Rs. 43175/- from Paddy, vegetables, livestock etc. He faced problems like low productivity , pest and disease incidence etc. With DFI interventions like awareness on Integrated nutrient management, diagnostic services, management of diseases and supply of biocontrol agents through FLD etc., he is getting annual income of Rs. 113875.



Vegetable garden



Paddy



Name of farmer: Kumaran
Address: Ambalapparambil, Rangattoor
Kerala:
Age: 69
Education: High School
Size of land holding (in acre): 0.7 acre (on lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.7 acre	75Q	112500	37500
Total			75Q	112500	37500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.7 Acre	85Q	204000	104000	13.33	177.3
Total			85Q	204000	104000		177.3

Brief: The farmer used to get annual income of Rs. 37500/- from banana. He faced problems like low production due to pseudostem weevil infestation, secondary nutrient deficiency etc. With DFI interventions like advisory on scientific nutrient management, supply of biocontrol agents, secondary nutrients etc and know how on new technologies through FLD etc., he is getting annual income of Rs. 104000/-.





Name of farmer: Subrahmanyam K.
Address: Kadavath, Rangattoor
Kerala:
Age: 47
Education: SSLC
Size of land holding (in acre): 0.50acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Banana	0.50 Acre	45	67500	22500
Total			45	67500	22500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Banana	0.50 Acre	48Q	115200	55200	6.66	145.33
Total			48Q	115200	55200		145.33

Brief: The farmer used to get annual income of Rs. 22500/- from banana. He faced problems like low production due to pseudostem weevil infestation, secondary nutrient deficiency, etc. With DFI interventions like advisory service on scientific nutrient management, supply of inputs for pest management and secondary nutrients through out the cultivation, etc., he is getting annual income of Rs. 55200/-.



Banana field



Name of farmer: Kunjaidu

Address: Edayur,

Kerala:

Age: 70

Education: SSLC

Size of land holding (in acre): 2 acre (on lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Chilli	1.5 Acre	10.36Q	96700	34500
Hort. Crop 3	Banana	0.5 Acre	30Q	42000	27000
Total		2.0 Acre	40.36	138700	61500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	1.5 Acre	15.04Q	165440	90440	45.17	162.14
Hort. Crop 3	Banana	0.5 Acre	52.5Q	78750	60000	75.0	122.22
Total		2.0 Acre	67.54	244190	150440		144.62

Brief: The farmer used to get annual income of Rs. 61500/- from chilli, banana, etc. He faced problems like low productivity, sucking pest incidence, secondary nutrient deficiency. With DFI interventions like scientific nutrient management, supply of inputs like biopesticides, botanicals, secondary nutrients, continuous advisory services etc., he is getting annual income of Rs150440/-.



Banana



Chilli



Name of farmer: Safiya M.
Address: Madakkattayil House, Edappal
Kerala:
Age: 55
Education: Pre degree
Size of land holding (in acre): 2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.5 acre	18Q	36000	21000
Hort. Crop 1	Banana	150 Nos.	15Q	22500	7500
Hort. Crop 2	Coconut	450Nos.	20250Nos.	243000	130500
Hort. Crop 3	Arecanut	400 Nos.	1.2Q	24000	16000
Hort. Crop 4	Vegetables	0.20 acre	10Q	12000	4000
Livestock 1	Poultry	15 Nos.	2160 Nos.	10800	1988
Total		2.0 acre		348300	180988

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.5 acre	21Q	58800	21300	16.67	1.4
Hort. Crop 1	Banana	150 Nos.	25.5Q	63750	33750	70	350.0
Hort. Crop 2	Coconut	450Nos.	31500Nos.	472500	247500	55.56	89.7
Hort. Crop 3	Arecanut	400 Nos.	2Q	80000	70000	66.67	337.5
Hort. Crop 4	Amaranth	0.20 acre	16Q	28800	16800	60	320.0
Livestock 1	Poultry	30 Nos.	3000 Nos.	27000	15300	25	669.8
Total		2.0 acre		730850	404650		123.57

Brief: The farmer used to get annual income of Rs.180988 /- from different horticultural crops. With timely interventions like scientific management of coconut, banana, arecanut, vegetables and poultry now she is getting an annual income of Rs. 404650/-.





Name of farmer: Chandrika P.V
Address: Pattathuvalappil, Pothannoor,
Polpakkara P.O, Edappal
Kerala:
Age: 48
Education: S.S.L.C
Size of land holding (in acre):0.50 acre (own) &
1.5 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.5 acre	15 Q	30000	15000
Hort. Crop 1	Banana	0.50 acre (50 Nos.)	5Q	7000	2000
Hort. Crop 2	Vegetables	0.50acre (Intercrop)	15Q	18000	3000
Total				55000	20000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.5 acre	21Q	58800	21300	40.00	42.0
Hort. Crop 1	Banana	0.50 acre (50 Nos.)	8.5Q	21250	11250	70.00	462.5
Hort. Crop 2	Vegetables	0.50acre (Intercrop)	25Q	45000	15000	66.67	400.0
Total		2.0 acre	54.5 Q	125050	47550		137.8

Brief: The farmer used to get annual income of Rs.20000. Advisories and field visits enabled scientific management of paddy, banana and vegetables and now she is getting an annual income of Rs. 47550 /-.





Name of farmer: Raheena

**Address: Punakkathodi House Edayur North P.O,
Valanchery**

Kerala:

Age: 35

Education: S.S.L.C

Size of land holding (in acre): 1.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	150 Nos.	15Q	22500	7500
Hort. Crop 2	Coconut	110 Nos.	4950 Nos.	59400	31900
Hort. Crop 3	Vegetables	0.50 acre	25 Q	30000	10000
Livestock 1	Cattle	8 Nos.	11250 litre	393750	120000
Total		1.5 acre		505650	169400

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	150 Nos.	25.5 Q	51000	11000	70	46.7
Hort. Crop 2	Coconut	110 Nos.	7700 Nos.	115500	60500	55.56	89.7
Hort. Crop 3	Vegetables	0.50 acre	40Q	72000	17000	60	70.0
Livestock 1	Cattle	8Nos.	18000litre	810000	262500	60	118.8
Total		1.5 acre		1048500	351000		107.2

Brief: The farmer used to get an annual income of Rs.169400/- from integrated farming. She faced problems of different pests and diseases and lack of knowledge in scientific management. Frequent diagnostic visits and advisories enabled her to tackle the problem. Now she is getting an annual income of Rs.351000/-





Name of farmer: Abdul Khader
Address: Parappil House, Naduvattom P.O,
Kuttippuram
Kerala:
Age: 38
Education: S.S.L.C
Size of land holding (in acre): 2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	200 Nos.	20Q	30000	10000
Hort. Crop 2	Coconut	400 Nos.	1600 Nos.	192000	92000
Hort. Crop 3	Arecanut	60 Nos.	0.42Q	8400	7200
Hort. Crop 4	Black pepper	50 Nos.	0.15Q	3000	2000
Hort. Crop 5	Vegetables	0.20 acre	8Q	9600	1600
Livestock 1	Poultry	20 Nos.	2400 Nos.	14400	2850
Total				257400	115650

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	200 Nos.	30 Q	60000	20000	50	100
Hort. Crop 2	Coconut	400 Nos.	28000 Nos.	420000	220000	75	139.13
Hort. Crop 3	Arecanut	60 Nos.	0.6 Q	18000	16500	42.86	129.17
Hort. Crop 4	Black pepper	50 Nos.	0.35 Q	12250	9250	133.3	362.5
Hort. Crop 5	Vegetables	0.20 acre	10Q	15000	3000	25	87.5
Livestock 1	Poultry	30 Nos.	4680 Nos.	32760	3585	95	25.789
Total				558010	272335		135.48

Brief: The farmer used to get annual income of Rs.115650/- from different agriculture activities. He faced problems like unfavourable weather conditions and lack of knowledge in management of pests. Due to timely technical support now he is getting an annual income of Rs. 272335 /-.





Name of farmer: Suhraabi
Address: Valluran House, Edayur P.O
Kerala:
Age:39
Education: Pre-degree
Size of land holding (in acre): 0.40 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	40 Nos.	4Q	6000	2000
Hort. Crop 2	Coconut	20 Nos.	900 Nos.	10800	5800
Hort. Crop 3	Black pepper	10 Nos.	0.013Q	455	255
Hort. Crop 4	Vegetables	0.10 acre	5Q	6000	2000
Livestock 1	Poultry	15 Nos.	2160 Nos.	12960	4147.5
Total				36215	14202.50

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	40 Nos.	5.2Q	10400	2400	30	20
Hort. Crop 2	Coconut	20 Nos.	1400 Nos.	21000	11000	55.56	89.655
Hort. Crop 3	Black pepper	10Nos.	0.05Q	1500	900	284.6	252.94
Hort. Crop 4	Vegetables	0.10 acre	55Q	9900	3900	10	95
Livestock 1	Poultry	15 Nos.	2700 Nos.	24300	12450	25	200.18
Total				67100	30650		115.8.

Brief: The farmer used to get annual income of Rs.14202/- from coconut, banana, black pepper, vegetables and poultry. Now she is getting an annual income of Rs. 30650/- from poultry and various agriculture activities due to proper management poultry and crops.





Name of farmer: Basheer Master
Address: Chittakathe Pottammal, Tirunavaya
Kerala:
Age: 53
Education: SSLC
Size of land holding (in acre): 17 Acre (lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	17 acre	100Q	180000	80000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy	17acre	250Q	700000	300000	150	275.00
Livestock 1	Cattle	5 No.	6000 litre	300000	150000	>100.00	>100.00
Total				1000000	450000		462.5

Brief: The farmer used to get annual income of Rs.80000 from paddy. He faced problems like lack of technical knowledge, lack of high yield variety seeds, environmental disasters like flood etc. With DFI interventions like use of high yield variety seeds and with proper technical knowledge and use of machinery, he is getting annual income of Rs 4.5lakhs.





Name of farmer: Ismail

Address: Vengara, Malappuram district Kerala:

Age: 45

Education: SSLC

Size of land holding (in acre): 2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Number	Production Liter	Gross Income (Rs.)	Net Income (Rs.)
Livestock 1	cattle	4 no.	6570 litre	262800	105120

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	No	Production Liter	Gross Income (Rs.)	Net Income (Rs.)	production	income
Livestock 1	cattle	10	18000 litre	900000	360000	173.97	242.47
Livestock 2	goat	17	300 kg	170000	100000	>100.00	>100.00
Total				1070000	460000		337.6

Brief: The farmer used to get annual income of Rs. 105120 from dairy farming, etc. He faced problems like lack of technical support and scientific knowledge regarding dairy farming etc. With KVK interventions he is getting annual income of Rs 460000.





Name of farmer: Sundaran
Address: Thadanthara, kannamangalam
Kerala:
Age: 46
Education: 3
Size of land holding (in acre): 3.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	paddy	3.5 acre	35Q	70000	34500
Field Crop 2	Banana	0.4 acre	20Q	30000	10000
Livestock	cattle	4	5000	200000	80000
Total				300000	124500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Paddy	3.5 acre	45 Q	112500	62500	28.5	81.16
Field Crop 2	Banana	0.4 acre	40Q	96000	24000	100	140
Livestock	Cattle	6	12000 L	600000	240000	140	200
Total				808500	326500		162.24

Brief: The farmer used to get annual income of Rs. 124500 from paddy, banana, cattle rearing, . He faced problems like low productivity, lack of scientific knowledge etc. With DFI interventions like proper scientific advice ,introduction of high yielding variety and integrated farming approach, he is getting annual income of 326500.





Name of farmer: Haridasan

Address: Anthameettil kariparambath house, kalikandam Moonniyoor

Kerala:

Age: 51

Education: Diploma (Incomplete)

Size of land holding (in acre): 2 acre (3 acre lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	2000 Nos	240 Q	360000	150000
Hort. Crop 2	Vegetables	3 acres	216 Q	259200	97000
Total				619200	247000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	2000 Nos.	300 Q	660000	260000	25	73.5
Hort. Crop 2	Vegetables	3 Acre	310 Q	434000	234000	43.5	140.74
Total				1094000	494000		100

Brief: The farmer used to get annual income of Rs.247000 /- from banana and vegetables. He faced problems like nutrient deficiency, lack of awareness about precision farming techniques in vegetables and banana etc. With DFI interventions like nutrient management and precision farming techniques in vegetables and banana, he is getting annual income of Rs. 494,000/- . In addition, he could save water usage by 60 per cent for banana by adopting micro irrigation.



Vegetables cultivation as summer crop



Precision Farming Techniques in Banana



Name of farmer: Bijeesh Babu

Address: Vazhakkolil, Chamra Vattom, Malappuram

Kerala:

Age: 42

Education: Degree (Incomplete)

Size of land holding (in acre): 1 acre (9 Acre for lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income	Net Income (Rs.)
Field Crop 1	Paddy	0.5 Acre	10 Q	22,800	15,000
Hort. Crop 1	Coconut	1 Acre	3500 nuts/year	70,000	60,000
Hort. Crop 2	Arecanut	1 Acre	2 Q	60,000	40,000
Hort. Crop 3	Vegetables	0.5 Acre	5 Q	40,000	15,000
Total					130000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income	Net Income	production	income
Field Crop 1	Paddy	2 Acre	74 Q	1,84,200	80,000.00	85.00	433.33
Hort. Crop 1	Coconut	1 Acre	5000 nuts/year	1,10,000	75,000.0	42.86	25.00
Hort. Crop 2	Areca nut	1 Acre	3 Q	1,29,000	90,000.0	50.00	125.00
Hort. Crop 3	Vegetables	5 Acre	190 Q	2,85,000	75,000	280.00	400.00
Hort. Crop 4	Banana	1 Acre	55 Q	1,60,000	50,000.0	>100.00	>100.00
Total				868200	370000		123.08

Brief: The farmer used to get annual income of Rs. 130000/- from paddy and coconut etc. He faced problems like nutrient deficiency, lack of mechanization, lack of awareness about precision farming techniques in vegetables etc. With DFI interventions like nutrient management and mechanization in paddy and coconut, precision farming techniques in vegetables, he is getting annual income of Rs. 370000. In addition, there is cost saving of Rs. 8500/- per acre in the production of paddy straw. He is also getting an additional income of Rs. 50,000 for working as a micro irrigation technician by the training of KVK



Mechanized land preparation for vegetable cultivation



Drip Irrigation in Vegetables



Name of farmer: Abdu Razak

Address: S/o , Ahamedkoya, Parappanad, Chettippadi P.O., Parappanagadi

Kerala:

Age: 62

Education: Pre Degree

Size of land holding (in acre): 2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	10 cent (seedlings)	3000 seedlings	6000	1000
Hort. Crop 2	Medicinal Plants	150 nos.	2000 seedlings	12000	7000
Livestock 1	Poultry	10 Nos.	600 nos.(egg)	4800	3000
Other enterprise (Specify)	Ecoshop			80000	32000
Total					43000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Productio n	Income
Hort. Crop 1	Vegetables	30 cent	10000 seedlings	20000	6000	233.33	500.00
Hort. Crop 2	Medicinal	600 Nos	4800 seedlings	48000	25000	140.00	257.14
Livestock 1	Poultry	40 Nos	2000 nos.(egg) 200 nos.(chick)	26000	15000	233.3	400.00
Livestock 2	Cow	1 No.		20000	5000	>100.00	>100.00
Other enterprise	Ecoshop			432000	297000		828.12
Total				546000	348000		709.30

Brief: The farmer used to get annual income of Rs. 43000/- from selling of seedlings of vegetables and medicinal plants and also from the ecoshop owned by him. He faced problems like nutrient deficiency, lack of awareness about precision farming techniques in vegetables etc. With DFI interventions like nutrient management and precision farming techniques in vegetables, and technical support and guidance of KVK for ecoshop he is getting annual income of Rs. 348000/-.



Razak at Poultry Farm



Vegetable cultivation



Name of farmer: AbduL Latheef. E

Address: Idakkaryath , Kololamba

Kerala:

Age: 52

Education: Degree

Size of land holding (in acre):

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	6	110	189750	79750
Hort. Crop 1	Coconut	1.30A -77 nos	6160 nuts	46200	30800
Livestock 1	Cow	2	3650 litres	146000	58400
Total				381950	168950

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	9 A	233	629640	229640	112	187.9
Hort. Crop 1	Coconut	1.30 A..77 nos	8085	113190	53200	31 .25	72.72
Livestock 1	Cow	5	10000 litres	500000	200000	173.9	242.46
Total				1242830	482840		185.7

Brief: The farmer used to get annual income of Rs. 168950 from rice, coconut , cow etc. He faced problems like low productivity in rice and coconut, lack of recycling , high acidity in kole lands etc. With DFI interventions like adoption of paired row system in rice, use of PPFM, use of granulated lime and adoption of integrated farming system mode he is getting an annual income of Rs 482840 .



Paired row system adopted field



Dairy unit of the IFS



Name of farmer: Mustafa K.T.

Address: Kappatakath thekumpurath, Vettom

Kerala:

Age: 66

Education: High school

Size of land holding (in acre): 2.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	2.5 Acre	18000 nos	162000	111000
Hort. Crop 2	Nutmeg (Intercrops)		0.2 Q (kernal) 0.02 Q (mace)	8800	3200
Total					170800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	2.5 Acre	30000 nos	240000	180000	66.67	60.84
Hort. Crop 2	Nutmeg (Intercrops)		0.7 Q (kernal) 0.06 Q (mace)	36600	26600	250	731.25
Hort. Crop 3	Banana (Intercrops)		18 Q	43200	23200	>100.00	>100.00
Total				319800	229800		101.22

Brief: The farmer used to get annual income of Rs. 114200/- from coconut, nutmeg, etc. He faced problems like low productivity, pest and disease incidence etc. With DFI interventions like awareness on Integrated nutrient management, diagnostic services, management of diseases and supply of biocontrol agents through FLD and introducing an additional crop etc., he is getting annual income of Rs. 229800.



Home stead garden with coconut and inter crops



Name of farmer: Hydrose T.K
Address: Tirunavaya kalathil, chelloor
Kerala:
Age: 45
Education: intermediate
Size of land holding (in acre): 5.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	4.0Acre	35Q	112000	52000
Hort. Crop 2	Vegetables (cucurbits)	1.5 Acre	120Q	168000	93000
Total		5.5 Acre	155Q	280000	145000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	4.0Acre	50Q	200000	150000	42.85	188.46
Hort. Crop 2	Arecanut		3Q	126000	66000	>100.00	>100
Hort. Crop 3	(Intercrops) vegetables (cucurbits)	1.5 nos	330Q	396000	196000	175.00	110.75
Total		5.5 Acre	383Q	722000	412000		184.13

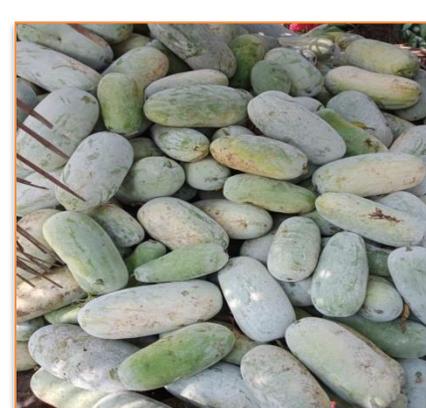
Brief: The farmer used to get annual income of Rs. 145000/- from coconut, vegetables etc. He faced problems of low productivity, pest and disease incidence etc. With DFI interventions like integrated pest management, secondary nutrient application, distribution of pheromone traps for fruit fly management, introducing arecanut as intercrop and timely advisory services, he is getting annual income of Rs. 412000/-.



Coconut and arecanut garden



Vegetable field



Harvested ash gourd



Name of farmer: Devaki

Address: Urangaattu parambil, Pulamanthole

Kerala:

Age: 58

Education: High School

Size of land holding (in acre): 0.5 acre (on lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.50 Acre	40 Q	60000	22500
Total			40 Q	60000	22500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.50 Acre	45Q	108000	58000	12.50	157.78
Total			45Q	108000	58000		157.78

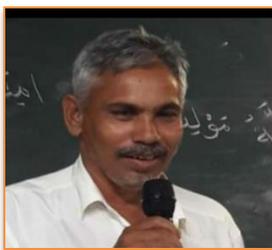
Brief: The farmer used to get annual income of Rs. 22500/- from banana. She faced problems like low production due to pseudostem weevil infestation, secondary nutrient deficiency, etc. With DFI interventions like advisory service on scientific nutrient management, supply of inputs for pest management and secondary nutrients through out the cultivation, etc., she is getting annual income of Rs. 58000/-.



Banana field



Demonstration of EPN cadaver application



Name of farmer: Muhammed Thykkottil
Address:Thykkottil House Aalipparambu
Kerala:
Age: 58
Education: 8th class
Size of land holding (in acre): 3 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3 acre	46 Q	82800	25800
Total		3 acre	46	82800	25800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Amarphophallus	3 acre	54	594000	294000	>100.00	>100.00
Hort. Crop 2	Vegetables	3 acre (intercrop)	75	112500	42500	>100.00	>100.00
Total			129	706500	336500		1204

Brief: The farmer used to get annual income of Rs. 25800 from paddy cultivation. He faced problems like low yield and high pest and disease in paddy cultivation . With DFI interventions like introduction of high value horticultural crop , adoption of organic management technology of tuber, good agricultural practices in vegetable production, he is getting annual income of Rs 336500.





Name of farmer: Muhammedali Kambrath

Address: Kambrath house , Alipparamba

Kerala:

Age: 55

Education: 5th standard

Size of land holding (in acre): 1 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	0.5	9Q	18000	9500
Total		0.5 acre	9 Q	18000	9500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy	0.5	15 Q	42000	27000	66.7	184
Hort. Crop 1	Amorphophallus	0.5 (intercrops)	90 Q	135000	60000	>100.00	>100.00
Hort. Crop 2	Banana	0.5	60 Q	180000	90000	>100.00	>100.00
Total		1.0	165 Q	357000	177000		1763

Brief: The farmer used to get annual income of Rs.9500 from paddy cultivation. He faced problems like low yield in paddy, high diseases and pest incidence in paddy & high soil acidity . With DFI interventions like soil test based nutrient management protocol in paddy, new high yielding varieties , crop diversification with high value crops, soil health rejuvenation by in-situ green manuring., he is getting annual income of Rs 177000.





Name of farmer: Muhammed

Address: Kambrathu house, Kambram, Alipparamba

Kerala:

Age: 64

Education: SSLC

Size of land holding (in acre): 1.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1	15 Q	30000	12500
Total		1	15 Q	30000	12500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy	1	25 Q	70000	42000	66.67	236
Hort. Crop 1	Amorphophallus	1 (intercrops and summer crop)	180 Q	270000	195000	>100.00	>100.00
Hort. Crop 2	Banana Nendran	0.5	60Q	90000	90000	>100.00	>100.00
Total		1.5	265 Q	430000	327000		2516

Brief: The farmer used to get annual income of Rs.12500 from paddy cultivation. He faced problems like low yield in paddy, high diseases and pest incidence in paddy, high soil acidity . With DFI interventions like soil test based nutrient management protocol in paddy, new high yielding varieties , crop diversification (Amorphophallus as sequential crop after paddy and intercrop in banana), he is getting annual income of Rs 327000.



Banana –Amorphophallus intercropped field



Name of farmer: Koyanni
Address: Palliyalil House, Irimblyam
Kerala:
Age:54
Education:10th
Size of land holding (in acre):0.88, 4 acre (lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	48Q	96000	56000
Hort. Crop 1	Coconut	55Nos.	2475 Nos.	29700	15950
Hort. Crop 2	Arecanut	500 Nos.	1.5 Q	30000	20000
Hort. Crop 3	Banana	200 Nos.	20Q	30000	10000
Total				185700	101950

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	56Q	156800	56800	16.67	1.4286
Hort. Crop 1	Coconut	55Nos.	3850 Nos.	57750	30250	55.56	89.655
Hort. Crop 2	Arecanut	500 Nos.	2.5 Q	100000	87500	66.67	337.5
Hort. Crop 3	Banana	200 Nos.	34Q	85000	45000	70	350
Total				399550	219550		115.4

Brief: The farmer used to get annual income of Rs.101950 /- from different Field and horticultural crops. With timely interventions like scientific management of Paddy, coconut, banana and arecanut now he is earning an annual income of Rs. 219550/-.





Name of farmer: Shanavas Khan
Address: Kodalody parambil, Perassannoor
Kerala:
Age: 50
Education: Pre- Degree
Size of land holding (in acre):0.19

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	7 Nos.	315 Nos.	3780	2030
Hort. Crop 2	Banana	10 Nos	0.8Q	1200	200
Live stock 1	Poultry (Eggs)	200 Nos	1800 Nos.	9000	3000
Live stock 2	Goat	3 Nos.		13980	5230
Total				27960	10460

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	7 Nos.	420 Nos.	6300	2800	33.33	37.931
Hort. Crop 2	Banana	10 Nos	1.44Q	3600	1600	80	700
Live stock 1	Poultry (Eggs)	300 Nos	4800 Nos.	28800	8800	166.7	193.33
Live stock 2	Goat	5 Nos.	6 Nos	15000	13750	100	162.91
Total				53700	26950		157.65

Brief: The farmer used to get annual income of Rs.10460. Advisories and field visits enabled scientific management of banana and coconut. Now in his integrated farming system he added goat also and now earning Rs. 26950 /-.





Name of farmer: Hamsa
Address: Thandamvalappil Thottathil
Kerala:
Age:46
Education: S.S.L.C
Size of land holding (in acre): 0.60

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	100 Nos.	9.8Q	14700	4700
Livestock 1	Poultry (Broiler)	50 Nos	200kg	30000	26500
Total				44700	31200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	100 Nos.	16.66Q	41650	21650	70	360.64
Livestock 1	Poultry (Broiler)	150 Nos	600 kg	57000	42000	200	58.491
Total				98650	63650		104

Brief: The farmer used to get an annual income of Rs.31200/- from integrated farming. He faced problems of different diseases and lack of knowledge in scientific management. Frequent diagnostic visits and advisories enabled him to tackle the problem. Now he is getting an annual income of Rs.63650 /-





Name of farmer: Sainudheen

Address: Karapparambil House

Kerala: Age:40

Education: S.S.L.C

Size of land holding (in acre):0.34 , 0.50(Lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	75 Nos.	7.2Q	10800	3300
Livestock 1	Poultry (Eggs)	100 Nos.	2700 Nos.	13500	9750
Total				24300	13050

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	100 Nos.	16.49Q	41225	21225	129	543.18
Livestock 1	Poultry (Eggs)	150 Nos.	5400 Nos.	43200	29200	100	199.49
Total				84425	50425		286.4

Brief: The farmer used to get annual income of Rs.13050/- from different agriculture activities. Due to timely technical support now he is getting an annual income of Rs.50425/-.



Name of farmer: Vijayan KK
 Address: Perasannur, Malappuram
 Kerala:
 Age: 55
 Education: SSLC
 Size of land holding (in acre): 3.0



1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	2.50	12000 nuts	64000	36000
Total				64000	36000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	2.50	15500 nuts	113660	86900	29.16	141.38
Hort. Crop 2	Arecanut	1.00 (intercrop)	0.75	26250	18050	>100.00	>100.00
Livestock 1	Cow	4 nos. (1 calf)	10800	378000	278000	>100.00	>100.00
Total				517910	382950		963.75

Brief: The farmer used to get annual income of Rs. 36000 from coconut . He faced problems like low yield of coconut due to pest and disease infestation. With DFI interventions like scientific coconut management, arecanut intercropping and introducing animal component he is getting annual net income of 382950. in addition to this, he is planning to include more components like fish with the support of line departments as it provide considerable income to the family.



Dairy unit



Effective utilisation in coconut garden



Name of farmer: Saidalavi Neendrathodi

Address: Irimblium, Malappuram

Kerala:

Age: 75

Education: 7th std.

Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	1.00	15.00	27000	12500
Hort. Crop 1	Coconut	2.50	15000 nuts	90000	64000
Hort. Crop 2	Arecanut	1.00 (intercrop)	0.65	22750	10250
Total				139750	86750

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	1.00	18.10	45000	32500	20.66	160.00
Hort. Crop 1	Coconut	2.50	16800 nuts	134400	94900	12.00	48.28
Hort. Crop 2	Arecanut	1.00 (intercrop)	0.70	29400	21000	7.70	104.0
Hort. Crop 3	Banana	0.50	36.00	64800	38300	>100.00	>100.00
Hort. Crop 4	Vegetables	0.50 (summer fallow)	25.00	30000	15500	>100.00	>100.00
Total				303600	202200		133.00

Brief: The farmer used to get annual income of Rs. 86750 from low land rice, coconut intercropped arecanut . He faced problems like low yield of coconut due to pest and disease infestation. With DFI interventions like scientific coconut management and intercropping by utilizing the available space with suitable crop components like banana and vegetables, he is getting annual net income of Rs.202200.



cultivation in interspaces of coconut garden



Scientific cultivation in coconut garden

Name of farmer: Nisar Kotapunchayil

Address: Irimblium, Malappuram

Kerala:

Age: 45

Education: graduate

Size of land holding (in acre): 0.55 + 1 leased land



1

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	1.00	13.00	23400	12500
Hort. Crop 1	Coconut	0.55	2200 nuts	17600	9400
Hort. Crop 2	Arecanut	200 nos. (intercrop)	2.00	40000	23500
Livestock 1	Cow	2 nos. (1 calf)	4200 L	147500	107350
Total				228500	152750

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	1.00	16.00	40000	22500	23.07	80.00
Hort. Crop 1	Coconut	0.55	2600 nuts	22880	14880	18.18	58.29
Hort. Crop 2	Arecanut	200 nos. (intercrop)	2.5	87500	69500	25.00	195.74
Hort. Crop 3	Nutmeg	30 nos (IC)	0.50	15000	9500	>100.00	>100.00
Livestock 1	Cow	3 nos. (1 cow)	4500 L	234000	180000	7.14	67.67
Livestock 2	Goat	6 nos.	1.50	37500	25000	>100.00	>100.00
Total				436880	321380		110.39

Brief: The farmer used to get annual income of Rs. 152750 from rice, coconut intercropped arecanut and livestock. He faced problems like low yield of coconut due to pest and disease infestation. With DFI interventions like scientific coconut and arecanut management and intercropping by utilizing the available space with suitable crop components like nutmeg, and increasing the number of cattle's (HF) and introduction of goat unit he is getting annual net income of Rs.321380. In addition to this, he is planning to include more components like poultry with the support of line departments as it provides considerable income to the family.



Effective utilisation in coconut garden and rice field



Goat unit



Name of farmer:Nanu

Address: Tavanur

Kerala:

Age: 66

Education: 4th

Size of land holding (in acre): 2.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2.5	15	30000	10000
Total		2.5	15	30000	10000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2.5	30	84000	40000	100	300
	Seasame , cowpea	2.5	4	25000	20000	>100.00	>100.00
	Goat	10Nos	1.8q (meat)	90000	45000	>100.00	>100.00
Total		2.5		199000	105000		950

Brief: The farmer used to get annual income of Rs. 10000 from Paddy cultivation. He faced problems like lack of technical support, Pest & diseases, labour shortage etc. With DFI interventions like recommendation of high yielding varieties, summer fallow cultivation of cowpea & sesame, recommendation IFS etc., he is getting annual income of Rs.105000.





Name of farmer: Manikandan
Address: Karuvattil(H), Mangattoor
Kerala:
Age: 80
Education: SSLC
Size of land holding (in acre): 4 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3	20	44000	20000
Hort. crop	Banana	1	60	120000	20000
Total		4	80	164000	40000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3	40	112000	80000	100	300
	Sesame (summer crop)	1.5	2.6	23400	20000	>100.00	>100.00
Hort. crop	Banana	1	120	360000	180000	100	800
Total		4	162.6	495400	280000		600

Brief: The farmer used to get annual income of Rs. 40000 from Paddy & Banana. he faced problems like lack of knowledge on high yielding varieties, Pests and disease management etc. With DFI interventions like recommendation of high yielding varieties, summer fallow cultivation Sesame, etc.,he is getting annual income of Rs.280000





Name of farmer: Musthafa
Address: Azhapally, Mangattoor
Kerala: Age: 49
Education: SSLC
Size of land holding (in acre): 6.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	25	55000	30000
Hort. crop	Arecanut	2.5	3	105000	55000
Total		6.5		160000	85000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	50	140000	80000	100	167
Hort. crop	Arecanut	2.5	6	252000	187000	100	240
	Cattle	7Nos	6000L	300000	150000	>100.00	>100.00
Total				692000	417000		390.58

Brief: The farmer used to get annual income of Rs. 85000 from Paddy & arecanut. He faced problems unfavorable weather, lack of high yielding varieties, labor shortage, pests and diseases etc. With DFI interventions like bio control agents for rice bug management, integrated farming system etc., He is getting annual income of Rs.417000.





Name of farmer: Alavi, kalody
Address: Randathani ,kottakal
Kerala: Age: 55
Education: 8TH PASS
Size of land holding (in acre): 1.45 Acre

1)

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Betel Vine	1 acre	5000 bundle	125000	50000
Field Crop 2	Areca nut	1 acre	1.5 quintal	45000	30000
Hort. Crop 1	Pepper	1 acre	0.5 quintal	15000	10000
Livestock 1	Goat	10 no	200kg	61500	30000
Total				246500	120000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Betel Vine	1 acre	12000 bundle	300000	150000	140.00	200
Field Crop 2	Areca nut	1 acre	3 Quintal	120000	100000	100	233
Hort. Crop 1	Pepper	1 acre	1 Quintal	32000	20000	>100.00	>100.00
Livestock 1	Goat	25 No.	400kg	160000	130000	100	333
Total				612000	4000000		233.33

Brief: The farmer used to get annual income of Rs. 120000 from betel vine ,areca nut , pepper and goat rearing etc. He faced problems like pest diseases, less yield etc. With DFI interventions like proper control of pest & diseases and scientific interventions. he is getting annual income of Rs 4000000.





Name of farmer: Asees

Address: Mattathur House, Melatoor

Kerala:

Age: 52

Education: 8

Size of land holding (in acre): 2.75

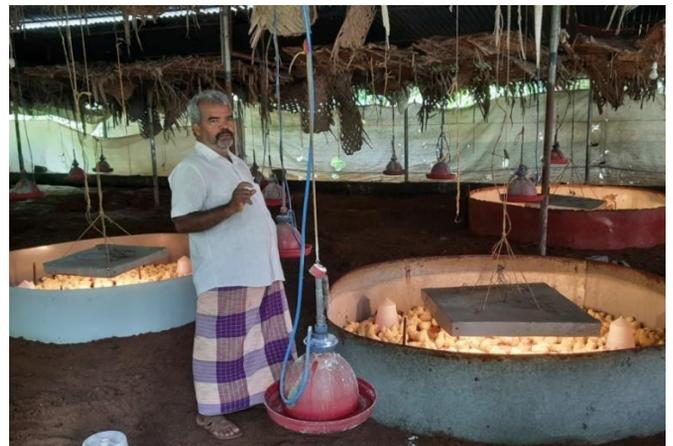
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Areca nut	0.75	0.6 quintel	21000	11000
Livestock 1	Poultry	2000	44 quintal	308000	150000
Livestock 2	Goat	3	0.75 quintal	25000	20000
Total			45.35 quintal	354000	181000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Areca nut	0.75	1.5 quintal	63000	23000	150	109.09
Livestock 1	Poultry	3000	60 quintal	600000	300000	36.3	100
Livestock 2	Goat	10	2.60 quintal	97500	90000	245	350
Total				760500	413000		128

Brief: The farmer used to get annual income of Rs 181000 from Arecanut, Poultry and goat production etc. He faced problems like high mortality rate and low productivity etc. With DFI interventions like providing proper scientific advisories and good management practices, he is getting annual income of Rs 413000.





Name of farmer: Vishnu

Address: Kunthani House, Vettom P.O., Tirur, Malappuram

Kerala:

Age: 27

Education: Diploma

Size of land holding (in acre):0.5 acre

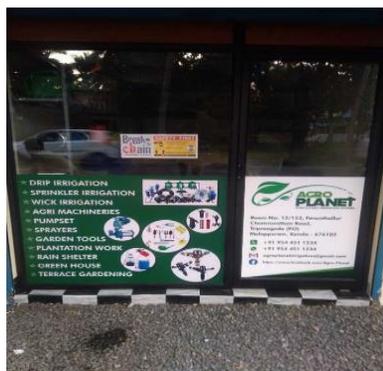
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Income from other source (Private job)					118000
Total					118000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other enterprise (Shop)	AGRO PLANET			690000	207000	100	72.50
Micro irrigation technician				80000	30000	>100.00	>100.00
Total					237000		100

Brief: The farmer used to get annual income of Rs.118000/- from Private job. He faced problems due to lock down. With KVK interventions like technical guidance and training on micro irrigation technician by KVK, he is getting annual income of Rs. 237000/- . He started a shop "AGRO PLANET" for the sale of Micro irrigation systems and other accessories related to irrigation, polyhouse, sprayers, garden tools etc. and he is also earn by doing installation work of micro irrigation systems in farmer's field



Name of farmer: Shahul Hameed

Address: Puthen Purayil House, Viloor, Chalodu, Indianoor.P.O, Kottakkal

Kerala:

Age: 54

Education: SSLC

Size of land holding (in acre): 0.04 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Income from other source (Auto)				360000	144000
Total					144000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other enterprise (coconut climbing with the support of machine)				480000	430000	>100.00	>100.00
Total					430000		198.61

Brief: The farmer used to get annual income of Rs. 144000/- from Auto. He attended training programme on Friends of coconut tree, and started coconut climbing with the support of machine as his job and now he is getting annual income of Rs.430000





Name of farmer: Chandran K P

Address: Kozhipalli House, Chiramangalam, Parappanghadi

Kerala:

Age: 51

Education: SSLC

Size of land holding (in acre): 1 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Coconut	100 Nos	3000 Nos.	24000	16000
Hort. Crop 1	Arecanut	300 Nos.	0.8 Q	24000	20000
Total				48000	36000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Coconut	100 Nos	4500 Nos.	54000	24000	42.85	50.00
Hort. Crop 1	Arecanut	300 Nos.	1.5 Q	63000	36000	87.50	80.00
Livestock 1	Cow	2 No.	1625 L	65000	34000	>100.00	>100.00
Livestock 2	Poultry (egg)	40 Nos.	2000 Nos.	10000	8000	>100.00	>100.00
Livestock 3	Poultry	40 Nos.	400 chicks	40000	30000	>100.00	>100.00
Livestock 3	Goat	6 Nos.	20 kids	80000	50000	>100.00	>100.00
Total				312000	182000		405.55

Brief: The farmer used to get annual income of Rs.36000 /- from coconut, arecanut etc. He faced problems like nutrient deficiency, low productivity and pest and disease incidence due to lack of scientific management of crops. With DFI interventions like integrated nutrient management and timely advisory services and also technical guidance from KVK, he started cow, goat and poultry in homestead, he is getting annual income of Rs. 182000/-.



Chandran at goat shed



Poultry farm



Name of farmer: Dileesh Kumar

Address: Parol House, Ariyalluylr, Vallikunnu, Malappuram

Kerala:

Age: 49

Education: SSLC(failed)

Size of land holding (in acre): 1.7 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	40 Nos.	1000 nuts/year	8000	5500
Hort. Crop2	Vegetables	0.5 Acre	15 Q	24500	18000
Total					23500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	40 Nos.	2800 nuts/year	39000	24000	180.0	336
Hort. Crop 2	Banana (Nendran)	240 Nos.	26.4 Q	63360	27360	100	100
Hort. Crop 3	Vegetables	1 Acre	75 Q	172500	92500	>100.00	>100.00
Livestock 1	Cow	1 No.	225 L	18000.00	12000	>100.00	>100.00
Livestock 2	Fish (ornamental)	100	2500 pair	100000	60000	>100.00	>100.00
Total				392860	215860		818.55

Brief: The farmer used to get annual income of Rs. 23500/- from coconut, vegetable etc. He faced problems like nutrient deficiency, pest incidence, lack of scientific management of crops. With DFI interventions like nutrient management and technical guidance from KVK, he is getting an annual income of Rs.215860 and also he started cow and pisciculture in his homestead



vegetable cultivation



Banana (Nendran) cultivation



Cow (vechur breed)



Name of farmer: Sadasivan

Address: Kunnathvalappil House, Pazhoor P.O., Naduvattom

Kerala:

Age: 44

Education: SSLC

Size of land holding (in acre): 0.2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Income from other source (mechanic)				180000	175000
Total					175000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Other enterprise (coconut climbing with the support of climber)				360000	355000	>100.00	>100.00
Total					355000		100

Brief: The farmer used to get annual income of Rs. 175000/- from a private job as mechanic.. He attended training programme on Friends of coconut tree organized by KVK, Malappuram, and started coconut climbing with the support of machine as his job and now he is getting annual income of Rs.355000





Name of farmer: Muhammad Ashraf Naha

Address: Kizakiniyakath, Firoz Nagar, Vallikunnu

Kerala:

Age: 54

Education: SSLC

Size of land holding (in acre): 1.68 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	1 acre	1680 nuts/year	13500	6300
Hort. Crop 2	Vegetables	0.2acre	7 Q	11200	5000
Total				24700	11300

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	1 acre	3000 nuts/year	44000	17500	78.57	177.77
Hort. Crop 2	Vegetables	0.68 acre	25 Q	42500	17500	5.04	250
Livestock 1	Poultry	20 Nos	1500 Nos	7500	5000	>100.00	>100.00
Livestock3	Cow	1	1260 L	50400	18500	>100.00	>100.00
Livestock4	Goat	2	3 Kids	12000	6000	>100.00	>100.00
Total				156400	64500		470.0

Brief: The farmer used to get annual income of 11300/- from coconut and vegetables. He faced problems like nutrient deficiency, low productivity, pest incidence and lack of awareness of scientific management of crops. With DFI interventions like nutrient management and guidance and technical advice from KVK, started poultry, cow, goat etc. He is now getting annual income of Rs. 64500/-





Name of farmer: Sainulabudheen. M
Address: Mundakkattu House, Neerolpalam
Kerala:
Age: 40
Education: SSLC
Size of land holding (in acre): 17 acre (Lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4 Acre	60 Q	108000	48000
Hort. Crop 1	Vegetables	0.5 Acre	30 Q	43500	21500
Hort. Crop 2	Banana (nendran)	0.5Acre	35 Q	52500	22500
Total			125 Q	204000	92000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	6 Acre	120 Q	315600	129600	100	170
Hort. Crop 1	Vegetables	1 Acre	90 Q	297000	112000	200	420.93
Hort. Crop 2	Banana (Nendran)	2 Acre	220 Q	528000	128000	528.57	468.88
Total				1140600	369600		301.7

Brief: The farmer used to get annual income of Rs. 92000/- from paddy, vegetables, banana etc. He faced problems like nutrient deficiency, pest incidence, low productivity and lack of scientific knowledge etc. With DFI interventions like nutrient management and technical support from KVK, he is getting annual income of Rs. 369600/- .



Tapioca field



Paddy cultivation



Name of farmer: Ibrahim

Address: Njarakkattilk, Nannambra

Kerala:

Age: 60

Education: SSLC

Size of land holding (in acre): 1.2 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	60 Nos.	1800 nuts/year	27000	22000
Hort. Crop 2	Nutmug (intercrop)	35 nos.	0.5 Q (nut) 0.09 q(mace)	28300	14000
Total				55300	36000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Hort. Crop 1	Coconut	60 Nos.	4500 nuts/year	112500	101000	150.00	359.09
Hort. Crop 2	Nutmug(intercrop)	35 Nos	1Q (nut) 0.1Q (mace)	40400	30000	100.00	114.29
Hort.Crop 3	Tapioca	0.2 acre	12 Q	24000	16000	>100.00	>100.00
Total				176900	147000		308

Brief: The farmer used to get annual income of Rs. 36000/- from coconut and nutmeg. He faced problems like nutrient deficiency, lack of scientific management of crops. With DFI interventions like nutrient management and technical support and guidance of KVK he is getting annual income of Rs. 147000/-.



Nutmeg



Coconut



Name of farmer: Vasudevan K

Address: Kannath

Kerala:

Age: 66

Education: SSLC

Size of land holding (in acre): 1.20

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	1 A	20	40,000	25000
Field Crop 2	Banana	500 nos	47.5	104500	44500
Hort. Crop 1	Coconut	70 nos	7 Q	10500	5600
Hort. Crop 2	Arecanut	600 nos	20 Q	80000	38000
Total				235000	113100

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	1 A	26	72800	42800	30	71
Field Crop 2	Banana	800 nos	96	2,88,000	128000	26.32	187
Hort. Crop 1	Coconut	70 nos	9.5	28500	11500	36	105
Hort. Crop 2	Arecanut	600	27Q	216000	96000	35	152
Total				605300	278300		146.07

Brief: The farmer used to get annual income of Rs. 113100 from rice, arecanut , banana and coconut . He faced problems like low productivity, nutritional disorders, micro nutrient deficiencies and severe pseudostem weevil infestation in banana . With DFI interventions like _Soil test based INM in rice, banana , arecanut and coconut , he is getting annual income of Rs 278300.



INM of Paddy



INM in banana



Name of farmer: Swaminadhan P
Address: Pokkandath Manoorkayal
Kerala:
Age: 52
Education: SSLC
Size of land holding (in acre): 2.60

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	3 A	75 Q	142500	97500
Hort. Crop 1	Coconut	40 nos	1800 Nos	36000	28000
Hort. Crop 2	Arecanut	350 nos	5 Q	82500	47500
Total				261000	173000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	5 A	125 Q	350000	200000	66	105
Hort. Crop 1	Coconut	40 nos	2700 Nos	43200	35200	50	25
Hort. Crop 2	Arecanut	370 Nos	7 Q	245000	189500	40	298
Total				638200	424700		145

Brief: The farmer used to get annual income of Rs. 173000 from rice, arecanut and coconut . He faced problems like low productivity, nutritional disorders, micro nutrient deficiencies and water shortage towards the end . With DFI interventions like Soil test based INM in rice, arecanut and coconut and use of PPFM in rice , he is getting annual income of Rs. 424700.



Field after Harvest



Arecanut- INM



Name of farmer: N. Aboobacker

Address: Nadukayil

Kerala:

Age: 65

Education: Degree

Size of land holding (in acre): 1.35 + 4 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	4 A	7..6 Q	130410	40410
Hort. Crop 1	Arecanut	170	1.2 Q	18000	5500
Hort. Crop 2	Coconut	95	11400 nos	42750	23750
Total				191160	69660

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Rice	5	10 Q	270000	1,20,000	32	196
Hort. Crop 1	Arecanut	170	2.6 Q	39000	12800	116	132
Hort. Crop 2	Coconut	110	14300	114400	81400	25	242
Total				423400	214200		207.4

Brief: The farmer used to get annual income of Rs.69660 from rice ,arecanut and coconut farming . He faced problems like low productivity , high acidity in kole lands. With DFI interventions like _application of granular lime in rice, Soil test based nutrient management in arecanut and coconut he is getting annual income of Rs .214200 .



Application of granulated lime in Rice



FLD of the KVK



Name of farmer: Shajeer KM
Address: Kottappurath Valappil , Kolikkara
Age: 30
Education: SSLC
Size of land holding (in acre): 7.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	3 A	60 Q	126000	66000
Hort. Crop 1	Coconut	105	8400 nos	92400	51150
Total				218400	117150

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	11 A	253 Q	657800	327800	321	396
Hort. Crop 1	Coconut	165	14400 nos	230400	172000	71	237
Total				888200	499800		326.63

Brief: The farmer used to get annual income of Rs.117150 from rice and coconut . He faced problems like low productivity, nutritional disorders, micro nutrient deficiencies . With DFI interventions like Soil test based INM in rice and coconut , he is getting annual income of Rs.499800.



INM in paddy variety Manuratna



Procurement from farm by the Civil supplies department



Name of farmer: Sethumadhavan .K P
Address: Kalathumpadikkal
Kolathur:
Age: 52
Education: SSLC
Size of land holding (in acre): 2.60

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	35 Nos	2400 Nos	19200	13200
Hort. Crop 2	Pepper	50 standards	0.75 Q	12000	7000
Other enterprise (Specify)	Apiculture	25 boxes	0.1 Q	12000	8000
	Mushroom production	750 beds	1.5 Q	35000	23000
Total				78200	51200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	coconut	35 nos	3430 nos	54880	47880	43	262
Hort. Crop 2	Pepper	50 standards	0.8 Q	18000	10000	6.67	42
Other enterprise (Specify)	Apiculture	35 boxes	0.15 Q	18000	12000	50	50
	Mushroom production	1200 beds	3 Q	71000	40000	100	73
Total				161880	109880		114

Brief: The farmer used to get annual income of Rs.51200 from coconut ,pepper, apiculture and mushroom. Faced with problems like low productivity, nutritional disorders, micro nutrient deficiencies . With DFI interventions like _Soil test based INM in coconut and integration of mushroom and apiculture enterprises he is getting annual income of Rs 109880



Mushroom Production Unit



Apiculture unit near home



Name of farmer: Vijayan PP
Address: Pathaya parambil Udinikkara Edapal
Age: 55
Education: SSLC
Size of land holding (in acre): 0.60

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	25	2250	16875	10625
Hort. Crop 2	Arecanut	70	1.5Q	18000	13000
	Pepper	65	0.65Q	24000	19000
Total				58875	42625

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	25	3000	36000	25000	33	135
Hort. Crop 2	Arecanut	70	2.7Q	65000	50000	80	284
	Pepper	90	1 Q	40000	33000	54	73
Total				141000	108000		153.3

Brief: The farmer used to get annual income of Rs. 42625 from arecanut , pepper and coconut . He faced problems like low productivity in arecanut and pepper , nutritional disorders, micro nutrient deficiencies and . With DFI interventions like _Soil test based INM in pepper , arecanut and coconut he is getting annual income of Rs. 108000.



Scientifically managed pepper on arecanut palms



View of the homestead



Name of farmer: Jayaprakash
Address: Kaloor house Vaikathur, Valanchery
Kerala:
Age: 52
Education: BA
Size of land holding (in acre): 2.5 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	4A	56 Q	106400	46400
Total				106400	46400

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	9 A	180 Q	4,86,000	261000	221	462.50
Total				486000	261000		462.50

Brief: The farmer used to get annual income of Rs.46400/- from rice . He faced problems like low productivity, nutritional disorders, labour shortage and drought proneness . With DFI interventions like Soil test based INM in rice, use of drum seeder, tractor mounted seed drill and use of PPFM he is getting annual income of Rs_. 261000/-



Use of Rice seed drum



Filed of seed drum





Name of farmer: Abdul Razak
Address: Madakkaloor, Kololambu

Kerala:
Age: 50
Education: 10th
Size of land holding (in acre): 11 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	10 Acre	180 Q	360000	182000
Field Crop 2	Coconut	70 Nos.	6300 Nos.	75600	30000
Total				435600	212000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	10 Acre	250 Q	675000	375000	38.89	106.50
Field Crop 2	Coconut	70 Nos.	8400 Nos.	100800	50000	33.33	66.67
Total				775800	425000		100

Brief: The farmer used to get annual income of Rs. 212000 from Rice and coconut. He faced problems like Lack high yielding varieties of rice, Lack of scientific nutrient management in coconut, Incidence of pest and diseases etc. With DFI interventions like Introduction of high yielding rice varieties, Scientific nutrient management in coconut, Integrated pest management in rice etc, he is getting annual income of Rs 425000.





Name of farmer: Sivakumar KP
Address: Kayalumpallath

Kerala:
Age: 55
Education: 10th
Size of land holding (in acre): 3 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	2 Acre	30 Q	84000	34000
Field Crop 2	Coconut	50 Nos.	500 Nos.	5000	2000
Hort. Crop 1	Vegetables	0.15 Acre	5 Q	7500	4500
Hort. Crop 2	Banana	25 Nos.	1.25 Q	1875	1000
Livestock 1	Chicken	50 Nos.	3000 Eggs	30000	12000
Total				128375	53500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	2 Acre	40 Q	162000	62000	33.3	82.35
Field Crop 2	Coconut	50 Nos.	800 Nos.	8000	5000	60	150
Hort. Crop 1	Vegetables	0.15 Acre	7.5 Q	11250	6250	50	38.89
Hort. Crop 2	Banana	50 Nos.	4 Q	8000	5500	220	450
Livestock 1	Chicken	60 Nos.	5400 Eggs	54000	34000	80	183.33
Total				243250	112750		110.75

Brief: The farmer used to get annual income of Rs. 53500 from Rice, coconut, vegetables, banana and chicken. He faced problems like Lack high yielding varieties, Lack of scientific nutrient management, Incidence of pest and diseases, Lack of technical support etc.. With DFI interventions like Introduction of high yielding varieties, Scientific nutrient management, Integrated pest management, technical support from kvk etc, he is getting annual income of Rs 112750.





Name of farmer: Hameed VK

Address: Valiyakath Korissery, Cheruvalloor

Kerala:

Age: 52

Education: SSLC

Size of land holding (in acre): 2.60

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	4 Acres	84 Q	159600	99600
Hort. Crop 1	Coconut	60	3600 nuts	27000	15000
Hort. Crop 2	Arecanut	920	4.2q	105000	59000
Total				291600	173600

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	10 Acres	250 Q	675000	375000	197	276
Hort. Crop 1	Coconut	60 nos	4800	84000	66000	33.33	340
Hort. Crop 2	Arecanut	980	6.1q	183000	85000	45.24	44.07
Total				942000	526,000		203.00

Brief: The farmer used to get annual income of Rs.1,73,600 from rice, arecanut and coconut . He faced problems like low productivity, nutritional disorders and micro nutrient deficiencies . With DFI interventions like Soil test based INM in rice, application of paddy multi mix, Scientific management of arecanut and coconut , he is getting annual income of Rs. 5,26,000.



Arecanut based farming system



Kole land owned by farmer



Name of farmer: Solomon

Address: S/O Daniel, Kalarikkal, Thirunavaya

Kerala:

Age: 54

Education: SSLC

Size of land holding (in acre): 2.60

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	2 A	26 Q	49400	21400
Total				49400	21400

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	3 A	60 Q	1,62,000	72,000	130	236.45
Total				162000	72000		236.45

Brief: The farmer used to get annual income of Rs. 21400 from rice based farming system . He faced problems like low productivity, nutritional disorders, micro nutrient deficiencies . With DFI interventions like Soil test based INM, paired row system and foliar application of paddy multi mix he is getting annual income of Rs 72,000.





Name of farmer: Saidalavi Haji.MP

Address: Meleparambil , Kaladi

Kerala:

Age: 60

Education: SSLC

Size of land holding (in acre): 4 A

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	2 A	32 Q	60800	36800
Total				60800	36800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	5 A	130 Q	351000	201000	306	446.20
Total				351000	201000		446.20

Brief: The farmer used to get annual income of Rs. 36800 from rice . He faced problems like low productivity, nutritional disorders, micro nutrient deficiencies . With DFI interventions like _Soil test based INM in rice, foliar feeding of sampoorna and paired row system he is getting annual income of Rs.201000.





Name of farmer: Abdul Aziz PP
Address: Pulaparambil, Mudur, Palapra
Kerala:
Age: 54
Education: SSLC
Size of land holding (in acre): 2.40

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	1 A	18 Q	34200	20200
Total				34200	20200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Rice	2.5 A	62 Q	168750	83750	244	314.6
Total				168750	83750		314.6

Brief: The farmer used to get annual income of Rs. 20200. from rice. He faced problems like low productivity, nutritional disorders, micro nutrient deficiencies . With DFI interventions like _Soil test based INM in rice , use of HYV, foliar spray of sampoorna and more cultivation in leased fallow lands, he is getting annual income of Rs. 83750.



Application of Foliar micronutrients



Field at Palapra



Effect of DFI

Name of KVK: KVK Malappuram

Name of farmer: Jaisal V C

Address: Kalarikkal House,
Parappanangadi

Age: 36

Education: Pre Degree

Size of land holding (in acre): 80 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	35 Acre	525Q	1050000	300000
Hort. Crop 1	Banana	15 Acre	1000Q	1800000	600000
Total					900000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Paddy	50 Acre	1250 Q	3500000	1500000	138	400
Hort. Crop 1	Banana	20 Acre	2000 Q	6000000	2800000	100	367
Livestock 1	Cow	8Nos	14400 Litres	792000	300000	100	
Livestock 2	Goat	25 Nos		162500	81000	100	
Total					46,81,000		420

Brief: The farmer used to get annual income of Rs. 9,00,000 from paddy and banana. He faced problems like Lack high yielding varieties, Lack of scientific nutrient management, effective utilization of available land etc. With DFI interventions like Introduction of high yielding varieties, suggestion of solar panel for farm use electricity and sprinkler irrigation, Scientific nutrient etc. he is getting annual income of Rs 46.81 000.

