



Name of farmer: K. Selvamani
Address: S/O Kantha Swami Gounter,
Muthimanapattam, Nattukal post, Kozhinjampara
Kerala: Age: 56 Education: Higher secondary
Size of land holding (in acre): 6

Name of KVK: KVK Palakkad

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	45	94500	53500
Field Crop 2	Sugarcane	4	1000	400000	60000
Hort. Crop 1	Coconut	1	4500	49500	19500
Hort. Crop 2	Banana	0.5	50	55000	9000
Hort. Crop 3	vegetables	0.2	4.2	18900	6400
Livestock 1	Cow	3	6000	168000	22000
Other enterprise (Specify)	Processing of sugarcane			67250	14250
Total				785900	170400

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	208	561600	273600	362.22	411.40
Field Crop 3	Black gram	1	4.5	54000	45000	>100	>100
Hort. Crop 1	Coconut	1	6000	72000	33000	33.33	69.23
Hort. Crop 2	Banana	0.5	55	77000	12300	10.00	36.67
Hort. Crop 3	vegetables	0.2	5.0	25000	9500	19.04	48.43
Livestock 1	Cow	5	9000	360000	60000	50.00	172.72
Total				1149600	433400		154.34

Brief: The farmer used to get annual income of Rs.170400/- from paddy, coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.433400/-.



(Before DFI crops/system)



After DFI crops/system





Name of farmer: Abdul Azzez

Address: Payaloor (PO), Kollengode, Palakkad District

Kerala: Age: 55

Education: Higher secondary

Size of land holding (in acre): 4.6

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	41	86100	46100
Hort. Crop 1	Coconut	0.6	5200 No.	93600	65600
Hort. Crop 2	Banana	2	240	264000	104000
Hort. Crop 3	Mango(given for lease)	0.5	42	218400	20000
Hort. Crop 4	vegetables	0.5	51	94000	74500
Livestock 1	Cow	2 No.	6070 1	170000	74250
Livestock 2	Hen	50 No.	10950	43800	7300
Total				876300	391750

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	46	124200	74200	12.19	60.95
Hort. Crop 1	Coconut	0.6	6000 No.	180000	130000	15.38	98.17
Hort. Crop 2	Banana	0.6	90	270000	120000	62.5	15.38
Hort. Crop 3	Mango (given for lease)	0.5	50	400000	40000	19.04	100
Hort. Crop 4	vegetables	1.9	254	784000	530000	398.03	611.4
Livestock 1	Hen	10 No.	2190	10950	2920	-81.96	-60
Other enterprise (Specify)	Vermicompost unit	1	7q	7000	6500	>100	>100
Total				1776150	903620		130.66

Brief: The farmer used to get annual income of Rs.391750/- from paddy ,coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties,plant protection methods, etc., he is getting annual income of Rs.903620/-. In addition he is saving a cost of Rs.7000/- in cost for manure by production of vermicompost.





Name of farmer: Sivakumaran M.

Address: Narangakalam, Payalloor (PO), Kollengode, Palakkad District

Kerala: Age: 45

Education: Higher secondary

Size of land holding (in acre): 12.75

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	Paddy	6	230	483000	238000
Hort. Crop 1	Coconut	0.75	6000No.	120000	69800
Hort. Crop 2	Banana	0.5	50	55000	20000
Hort. Crop 3	Mango (given for lease)	3.0	300	1350000	150000
Hort. Crop 4	vegetables	2	190	418000	228000
Livestock 1	Cow	5No.	4300	120400	18650
Livestock 2	Hen	5 No.	1095	4380	1300
Other enterprise (Specify)	Fish pond	1	2Q	15000	8000
Total				2565780	733750

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	240	648000	300000	4.35	26.05
Hort. Crop 1	Coconut	0.75	6300 No.	189000	134000	5.00	91.98
Hort. Crop 2	Mango (given for lease)	3.5	320	2100000	350000	6.66	133.33
Hort. Crop 4	vegetables	2	225	810000	562500	18.42	146.71
Hort. Crop 5	Areanut	0.5	45	220500	170500	>100	>100
Livestock 1	Cow	1	900	36000	11000	-79.07	-41.00
Livestock 2	Hen	3 No.	730	3650	1150	-33.33	-11.00
Other enterprise (Specify)	Fish pond	1	3.5Q	42000	28000	75.00	250.00
Total				4049150	1557150		112.21

Brief: The farmer used to get annual income of Rs.733750/- from paddy, coconut, Mango, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.1557150/-.





Name of farmer: Zuhra K.

Address: Kalathil House, Bheemanad (PO) Alanallur, Palakkad District

Kerala: Age: 60

Education: SSLC

Size of land holding (in acre): 14

1) Before Intervention

Component Description ⁰		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	12600 No	252000	146500
Hort. Crop 2	Plantain	1	90	135000	66400
Hort. Crop 3	Arecanut	0.5	40	120000	76000
Hort. Crop 4	Pepper	0.5	1.5	90000	55800
Hort. Crop 5	vegetables	1	110	275000	132000
Livestock 1	Cow	2No.	6000	171000	76000
Livestock 2	Hen	60 No.	15330	61320	17520
Total				1104320	570220

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	2	13500 No.	337500	227500	7.14	55.29
Hort. Crop 1	Plantain	1	95	190000	115000	5.55	73.19
Hort. Crop 2	Arecanut	1	140	686000	397800	250	423.42
Hort. Crop 3	Pepper	1	3.2	232000	139200	113.33	149.46
Hort. Crop 4	vegetables	1	120	360000	165600	9.09	25.45
Livestock 1	Hen	125 No.	36500	219000	82125	138.09	368.75
Plantation crop	Rubber	8	32	544000	224000	>100	>100
Other enterprise	Bee Keeping	10	4	160000	60000	>100	>100
Total				2728500	1411225		147

Brief: The farmer used to get annual income of Rs. 570220/- from paddy ,coconut, plantain, etc. She faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, capacity building programmes etc., she is getting annual income of Rs.1411225/-.





Name of farmer: Brijesh K.B.

Address: Malabar Cements, Palakkad

Kerala: Age: 41 Education: Graduate

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.)
Hort. Crop 1	Tapioca	1	50	75000	48000
Hort. Crop 2	vegetables	2	220	550000	269500
Total				625000	317500

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	0.4	22	44000	14000	-56.00	-70.80
Hort. Crop 2	vegetables	1.4	185	703000	330400	-15.90	22.60
Hort. Crop 3	Banana	1	190	760000	510000	>100	>100
Total				1507000	854400		169

Brief: The farmer used to get annual income of Rs.317500/- from Tapioca, vegetables, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, introduction of new crop, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.854400/-.





Name of farmer: Unnikrishnan M

Address: S/O Maruthachalam,

Manju Nivas, Kunnanchala, Kavundikal Post, Agali, Attappady

Kerala:

Age: 30

Education: B.Tech (Marine)

Size of land holding (in acre): 11

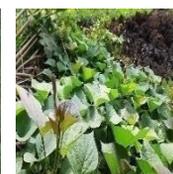
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Component	Names	Area (Acre)/No.	Production(Q/L/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Millets	4	7	28000	20000
Field Crop 2	Groundnut	0.5	1.2q	7200	6200
Field Crop 4	Attappady Thuvara	6.5	2.0	11000	5800
Hort. Crop 1	Coconut	3.5	10500	115500	62000
Hort. Crop 2	Vegetables	1.5	4.5	20250	11000
Livestock 1	Cow	8	15000L	420000	100000
Livestock 2	Attappady Goat	10	100L	4000	3500
Livestock 3	Hen	2	200 eggs/year	1000	700
Total				606950	209200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Diversified Millets	6.5	12.8	60000	48000	82.85	140.00
Field Crop 2	Groundnut	1	4q	48000	45000	233.00	625.80
Field Crop 3	Upland paddy	0.5	1	2700	1500	>100	>100
Field Crop 4	Attappady Thuvara	6.5	2.5	17500	9700	25.00	67.24
Field Crop 5	Red gram	0.2	0.8	6880	6640	>100	>100
Field Crop 6	Sesame	0.2	0.4	3600	3440	>100	>100
Hort. Crop 1	Coconut	3.5	17500	210000	98000	66.67	58.06
Hort. Crop 2	Vegetables	3.5	15.75	78750	36750	250.00	234.09
Hort. Crop 3	Biofortified sweet potato	1	40	100000	70,000	>100	>100
Livestock 1	Cow	2	4200L	168000	68000	-72.00	-32.00
Livestock 2	Attappady and Malabari Goat	15	600 L	36000	26000	500.00	642.85
Livestock 3	Hen and BV-380	5	1000 eggs/	7000	5500	400.00	685.70
Total				738430	418530		100.06

Brief: The farmer used to get annual income of Rs.209200/- from Millets, coconut, vegetables and livestock. He faced problems like water scarcity, low production of millets, less land utilization, marketing etc. With DFI interventions like diversified millet production, area expansion with upland rice and intercrops, use of improved varieties of millets and biofortified crops, plant protection methods, marketing after value addition and introduction of new breeds of farm animals, he is getting annual income of Rs.418530/-.



Millet cultivation and fallow lands

Vegetables

Vegetables

Millets

Biofortified crops

Upland rice



Effect of DFI intervention

Name of KVK: KVK-Palakkad

Name of farmer: Sajeew Mathew

Address: Nedumpurathu (H), Palakkayam PO,
Thachampara-678591

Kerala:

Age: 43

Education: Diploma (Mechanic)

Size of land holding (in acre): 6

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	3	12500	125000	35000
Hort. Crop 2	Arecanut	1.5	10	180000	120000
Hort. Crop 3	Nutmeg	1.5	0.7	45000	25000
Hort. Crop 4	Black Pepper	1.0	0.6	19800	11800
Hort. Crop 5	Banana	1	2.5	11250	6250
Livestock 1	Cow	1 No.	1500 L	42000	22000
Livestock 2	Goat	3 No.	150 1	9600	6600
Total				432650	226650

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	3	16200	210600	78600	29.60	124.57
Hort. Crop 2	Arecanut	1.5	15	300000	200000	50.00	66.67
Hort. Crop 3	Nutmeg	1.5	1.5	93750	53750	114.28	115.00
Hort. Crop 4	Black Pepper	1.5	1.5	80000	40000	150.00	238.98
Hort. Crop 5	Banana	1	4	20000	12000	60.00	92.00
Livestock 1	Cow	2 No.	3600 1	100800	60800	20.00	176.36
Livestock 2	Goat	5 No.	300 1	28800	21300	19.96	222.72
Livestock 3	Hen	10 No.	1200 eggs/year	8400	6000	>100	>100
Other enterprise	Biogas	1	70	4000	3000	>100	>100
Total				846350	475450		109.77

Brief: The farmer used to get annual income of Rs. 226650/- from Plantation crops, Spices and livestock. He faced problems like root (wilt) and budrot in coconut and less crop intensification with remunerative crops. With DFI interventions like FLDs and OFTs on IPDM of Coconut and arecanut, awareness programmes of quick wilt management measures in black pepper and Nutmeg sheller demos, he is getting annual income of Rs 475450/-. In addition, there is cost saving of Rs. 4000 by the production of biogas.



Monocropping and less management of Field (Before DFI system)

Intensified intercropping, IPDM practices for Plantation crops, good yield from



Name of farmer: Chandran P.N

Address: Kishkin, Kannampariyaram, Mankara,
Palakkad-678613

Kerala:

Age: 57

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	Paddy	1	35	63000	31080
Hort. Crop 1	Banana	0	0	0	0
Total				63000	31080

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	46	124200	60507	31.42	94.68
Hort. Crop 1	Banana	.20	20	28000	4470	>100	>100
Total				152200	64977		109.06

Brief: The farmer used to get annual income of Rs. 31080 from paddy, etc. He faced problems like yield reduction, pest and disease, etc. With DFI interventions like new varieties, sampoorrna, humeplus and neem garlic chilli emulsion etc., he is getting annual income of Rs 64,977.



After intervention by KVK



Name of farmer:A. Abdul Azeez
Address:Kadavankodkalam,Mettupalayam,
 Thathamangalam P.O,Palakkad-678102
Kerala:
Age: 70
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.)
Field Crop 1	Paddy	3	90	162000	75450
Hort. Crop 1	Coconut	1	10000	110000	43000
Total				272000	118450

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	135	364500	164375	50.00	168.73
Hort. Crop 1	Coconut	1	13200	158400	72600	32.00	68.64
Total				522900	236975		100.06

Brief: The farmer used to get annual income of Rs. 118450 from paddy, coconut, etc. He faced problems like Pest and disease, water scarcity, etc. With DFI interventions like INM, IPDM, new varieties, drought management etc., he is getting annual income of Rs.236975.



Intervention in coconut



Intervention in paddy



Name of farmer: Martin Joseph
Address: Kalliyampara, Parassakal P O ,
Vadakarapathy
Kerala:
Age: 41
Education: ITI
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	Maize	1	30	50000	35000
Hort. Crop 1	Vegetables	1	15	120000	90000
Livestock 1	Cow	3	9000 1	270000	72900
Total				440000	197900

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	Maize	2	60	100000	60000	100.00	71.42
Hort. Crop 1	Vegetables	2	40	300000	150000	166.67	66.67
Hort. Crop 2	Banana	0.1	12	36000	24000	>100	>100
Livestock 1	Cow	6	18000 1	666000	228000	100.00	212.75
Total				1102000	462000		133.45

Brief: The farmer used to get annual income of Rs. 197900/- from vegetables, maize, cow etc. He faced problems like high pest and disease infestation in vegetables etc. With DFI interventions like organic methods of plant protection etc., he is getting annual income of Rs 462000.





Name of farmer: O P Surendran

Address: Ozhuvil Thevur Kalathil, Pattithara

Kerala:

Age: 51

Education: Plus two

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	Paddy	2	44	92400	52400
Hort. Crop 1	Banana	1	120	300000	100000
Hort. Crop 2	Vegetables	2	18	200000	50000
Livestock 1	Coconut	0.5	2200	24200	9200
Other enterprise (Specify)	Cow	1	2400	72000	6300
Total				688600	217900

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	4.5	113	305100	192600	156.82	267.56
Field Crop 2	Blackgram	0.5	3.5	29000	7500	>100	>100
Hort. Crop 1	Banana	1	150	450000	137500	25.00	37.50
Hort. Crop 2	Vegetables	2	20	260000	90000	11.11	80.00
Hort. Crop 3	Coconut	0.5	3000	39000	19000	36.36	106.52
Hort. Crop 4	Ginger	0.25	10	110000	35000	>100	>100
Livestock 1	Cow	2	4500	166500	20500	87.50	225.39
Total				1359600	502100		130.43

Brief: The farmer used to get annual income of Rs.217900 from paddy, banana, vegetable, coconut, cow etc. He faced problems like pseudostem weevil in banana, yield loss in paddy, pest and disease in vegetables etc. With DFI interventions like plant protection methods, use of improved varieties etc., he is getting annual income of Rs 502100.





Name of farmer: K.C. Vasudevan
Address: Kuriyedathu Mana, Kuttanassery
PO, Thiruvazhiyode (via) Palakkad-679514
Kerala:
Age: 58
Education: Diploma in Electrical Engineering
Size of land holding (in acre): 2.65

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	35	73500	30050
Hort. Crop 1	Rubber	1.29	0	0	0
Hort. Crop 2	Coconut	10	750	8250	3225
Total				81750	33275

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	40	1,08,000	52860	14.28	75.91
Hort. Crop 1	Rubber	1.29	18	2,70,000	50000	>100	>100
Hort. Crop 2	Coconut	10 nos.	1000 nuts	15000	6500	33.33	101.55
Hort. Crop 3	Arecanut	50 nos.	5	200000	185000	>100	>100
Total				593000	294360		784.62

Brief: The farmer used to get annual income of Rs. 33275 from paddy and coconut. Most of his fields were left fallow. With DFI interventions like training and awareness programmes, he became self confident in cultivation of other crops and started utilizing the fallow land for other crops and planted arecanut as intercrop in coconut garden which helped him to earn an annual income of Rs 294360.



After intervention by KVK



Name of farmer: Pradeep P V
Panampully Valappil, Mezathur P O, Thrithala,
Palakkad
Kerala:
Age: 46
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	7 acre	315	661500	352220
Hort. Crop 1	Banana	60 nos.	9	31500	25500
Hort. Crop 2	Coconut	15 nos	1200	13200	5280
Livestock 1					
Total				706200	383000

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 (Including aromatic rice, organic rice)	9 acre	426	1151000	584000	35.00	65.80
Hort. Crop 1	Coconut	15 nos.	1500	18000	8250	25.00	56.25
Hort. Crop 2	Banana	72	13	52000	44800	44.44	75.69
Livestock 1	Cow	5	9000l/year	405000	130000	>100	>100
Total				1626000	767050		100.27

Brief: The farmer used to get annual income of Rs. 383000 from paddy, etc. He faced problems like yield reduction, pest and disease, etc. With DFI interventions like new varieties, sampoorrna, etc., he is getting annual income of Rs 767050/-. He is also a trainee of ASCi Organic grower conducted by KVK, where he includes organic practices for growing crops and he could fetch more price for his organic produce. He also started cultivation of aromatic rice varieties and dairy which also resulted in increased income



After intervention by KVK



Name of farmer: Suresh Babu M.P
Maniyamparambil (H), Othalur P O, Thrithala,
Palakkad
Kerala:
Age: 43
Education: SSLC
Size of land holding (in acre): 2.53 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	1.50	25	52500	22200
Hort. Crop 2	Coconut	50	3750	41250	16500
Livestock 2	Cow	2	4200l/year	147000	57000
Total				240750	95700

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 (2 season)	45	121500	70500	237.50	217.57
Field Crop 2	Pulses	1	2.5	37500	18100	>100	>100
Hort. Crop 1	Coconut	50 nos.	4200	50400	23100	12.00	40.00
Hort. Crop 2	Arecanut	35	18	63000	40600	>100	>100
Livestock 1	Cow	2	4200l/year	189000	79000	0	38.59
Total				461400	231300		141.69

Brief: The farmer used to get annual income of Rs. 95700 from paddy coconut and diary. He faced problems like yield reduction, pest and disease, etc. With DFI interventions like new varieties, pulse cultivation, taking two crops of paddy etc. he is getting annual income of Rs 231300. The farmer receives trainings and guidance from KVK



After intervention by KVK



Name of farmer: Kothandaraman

Address: Maari nivaas, Olasserri post, Kodumbu

Palakkad

Kerala: Age:58

Education: SSLC

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.)
Field Crop 1	Paddy	5 (2 seasons)	200	420000	180000
Hort. Crop 2	Coconut	0.3	1125	13500	7515
Total				433500	187515

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 (2 seasons)	250	700000	415000	25.00	130.56
Hort. Crop 1	Coconut	0.3	1300	19500	12150	15.56	61.68
Total				719500	427150		127.79

Brief: The farmer used to get annual income of Rs.187515/- from paddy coconut,, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.427150/-.



After DFI intervention



Name of farmer: Muraleedharan

Address:

Kerala: Age: 60

Education: Degree

Size of land holding (in acre): 25.5

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	20 (2 seasons)	1120	2352000	1362000
Hort. Crop 2	coconut	1.5	6750	81000	45500
Total				2433000	1407500

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	20	1280	3584000	2464000	14.2	80.91
Hort. Crop 1	coconut	1.5	9000	135000	82500	33.33	81.32
Other	Fisheries	1	20	300000	270000	>100	>100
Total				4019000	2816500		100.11

Brief: The farmer used to get annual income of Rs. 1407500/- from paddy and coconut cultivation. He faced problems like weeds, low soil nutrient status, pest etc. He is an SAC member, part of several FLD programmes and participate in training programmes. With DFI interventions like timely pest and disease management, application of green manure, mechanisation etc., he is getting an annual income of Rs.2816500/- In addition, there is cost saving in the production of paddy through mechanisation.





Name of farmer:Udayaprakash
Address: Palancherykalam, Nenmeni
P.O,Kollangode,678506
Kerala: Age: 62
Education: 10
Size of land holding (in acre): 18

1) Before Intervention

Component Description			Benchmark (Baseline period 2016-17)		
Components	Names	Area	Production	Gross Income (Rs.)	Net Income (Rs.)
		(Acre)/Number	(Q/Liter/No.)	648000	350000
Field Crop 1	Paddy	12	240 Q	137500	97500
Hort. Crop 1	Mango	3.5	55 Q	64800	38550
Hort. Crop 2	Coconut	1.5	7200 No	200000	170000
Aquaculture	Fish	1	20 Q		
Total		18		1050300	656050

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area	Production	Gross Income	Net Income	production	income
		(Acre)/No	(Q/Liter/No.)	(Rs.)	(Rs.)		
Field Crop 1	Paddy	12	360 Q	1188000	852000	50	143.43
Hort. Crop 1	Mango	3.5	60 Q	240000	198000	9.09	103.07
Hort. Crop 2	Coconut	1.5	8400 No	126000	63000	16.67	63.42
Aquaculture	Fish	1	25 Q	250000	200000	25.00	17.65
Total		18		1804000	1313000		100.14

Brief: The farmer used to get annual income of Rs. 656050/- from paddy, coconut, mango, fish etc. He faced problems like labour charges, unstable yield in organic production plots etc. With DFI interventions like new varieties, better sources of organic manure, mechanization etc., he is getting annual income of Rs.1313000/-. In addition, there is cost saving by mechanization and need based fertilizer application.





Name of farmer: Madhu S
Address: Mannampallamkalam, Nenmeni
P.O, Killengode, Palakkad, 678506
Kerala: Age: 49
Education: Degree
Size of land holding (in acre): 18.5

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	12	295 Q	796500	501500
Hort. Crop 1	Coconut	3.5	12600 No.	113400	52150
Aquaculture	Fish	1.5	22 Q	220000	195000
Total				1129900	748650

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	12	380Q	1254000	894000	28.81	78.26
Hort. Crop 1	Coconut	3.5	16800 No.	252000	154000	33.33	195.3
Aquaculture	Fish	3.5	50 Q	500000	450000	127.2	130.76
Total				2006000	1498000		100.09

Brief: The farmer used to get annual income of Rs. 748650 from paddy, coconut and fish. He faced problems like low yield in paddy and coconut due to unscientific management practices. He attended several trainings conducted by KVK and was a part of FLD programmes. With DFI interventions like INM, IPDM and area expansion he is getting annual income of Rs.1498000/-.



Paddy field



Fish cultivation unit



Name of farmer: Kuttikrishnan
Address: Kousthubham, Aanamaari, Irattakulam
P.O, Anchumoorthi, Palakkad
Kerala: Age: 73
Education: 10 + TTC
Size of land holding (in acre): 10

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	140 Q	294000	204000
Hort. Crop 1	coconut	1.5	7200No	100800/-	79200
Hort. Crop 2	Teak	1.5	1	50000	45000
Total				444800	328200

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	190 Q	532000	424000	35.71	107.84
Hort. Crop 1	coconut	2.5	9000 no	240000	190000	25.00	139.89
Hort. Crop 2	Teak	1.5	3	200000	195000	200.00	333.33
Total				972000	809000		146.50

Brief: The farmer used to get annual income of Rs. 328200/- from paddy and coconut etc. He faced problems like heavy incidence of diseases and weeds, poor nutrient management etc. He is a member of SAC of KVK and attends most of the training programmes conducted by KVK. With DFI interventions like weed management, IPDM etc., he is getting annual income of Rs.809000/-.



Before DFI crops/system



After DFI crops/system



Name of farmer: Gopikrishnan V
Address: Nalanda, Adakkaputhur
PO,Cherpulassery
Kerala:
Age: 52
Education: Graduation
Size of land holding (in acre): 54

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	45	94500	22500
Hort. Crop 1	Tubers	0.40	30	36000	21000
Hort. Crop 2	Coconut	100 no.s	7500	67500	37500
Hort. Crop 2	Rubber	2.25	11 Q	110000	30000
Total				308000	111000

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	57	159600	75600	26.67	236.00
Hort. Crop 1	Tubers	0.80	56	56000	30000	86.67	42.85
Hort. Crop 2	Coconut	100	7000	105000	67000	-6.66	78.66
Hort. Crop 3	Rubber	2.25	20 Q	200000	110000	81.8	266.66
Other enterprise (Specify)	Trichocard production unit		350 cc	28000	12000	>100	>100
Total				520600	282600		154.59

Brief: The farmer used to get annual income of Rs.111000/- from paddy, tubers, coconut etc. He faced problems low soil nutrient status, pest and diseases etc. With DFI interventions like plant protection methods, use of improved varieties, application of green manure crops and micronutrients etc., he is getting annual income of 2 8 2 6 0 0. In addition, there is cost saving in pesticide spray through installation of trichocards.



Field



Trichocard production unit

Effect of DFI intervention

Name of KVK: KVK-Palakkad



Name of farmer: Dhanalekshmi P
Address: D/O Velayudhan,
 Cherukode PO, Vallapuzha
 Kerala:
Age: 37
Education: Plus Two
Size of land holding: 5 cents

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.5	1.5	6750	3000
Livestock 1	Hen	2	100 eggs/year	500	350
Total				7250	3350

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.5	3.75	12500	6000	150	100
Hort. Crop 2	Watermelon	0.5	2000 Nos.	2,40,000	1,90,000	>100	>100
Livestock 1	Hen	5	500 eggs/ yr	3500	2000	400	471.42
Total				256000	198000		5810.44

Brief: The farmer used to get annual income of Rs.3350/- from vegetables as she was a housewife without much knowhow on scientific vegetable cultivation. She was following chemical practices for vegetable production earlier. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower, she started adopting diversified vegetable production, area expansion with watermelon and tissue culture banana, use of good agricultural practices and safe to eat plant protection methods, she is now getting annual income of Rs. 198000/-.



Diversified vegetable Production and TC Banana
 (After DFI System)



Watermelon field



ASCI Organic Grower trainee (Before DFI)
 More land utilization with new crops and improved varieties (After DFI system)

Name of farmer: Sebastian Pinjaro

Address: Kummapally (House), Nagaripuram PO., Mannur, Palakkad

Kerala:

Age: 54

Education: Degree

Size of land holding (in acre): 12 cents



1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.5	2.1	6300	5000
Total				6300	5000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.5	2.6	7800	6200	23.80	24.00
EDP 1	Ecoshop of spices			72000	32000	>100	>100
EDP 2	Value addition of fruits		25 litre	24000	13000	>100	>100
EDP 3	Mushroom	20 bed	25 kg/year	3000	1500	>100	>100
Total				106800	52700		954.00

Brief: The farmer, used to get annual income of Rs. 5000/- from vegetables. With DFI interventions and ASCI Organic grower as well as various KVK trainings, he started adopting diversified vegetable production, value addition of fruits and mushroom production from 2020 onwards. Moreover, he has started his own business establishment by procuring organic spices and beverages from farmers of Idukki district who are growing organically certified crops. He is distributing these products through his own outlet named "Traditional Relish". He is getting annual income of Rs 52700/-.



Trainings at KVK as well as ASCI Organic grower (Before DFI system)

Organic shop, Mushroom, Value addition and Organic vegetable production (After DFI system)



Name of farmer: Sheeja B
Address: D/O Balan,
Pantharadiyil (H), Perumudiyoor PO, Pattambi
Kerala:
Age: 52
Education: Plus Two
Size of land holding: 5 cents

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.5	1.0	2500	1500
EDP	Virgin coconut oil		10litre	5000	3500
Total				2500	5000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	1	5.5	15000	8000	450.00	433.33
EDP 1	Vermicomposting		10 q/year	20000	10,000	>100	>100
EDP 2	Vermiwash		200 l	5000	3000	>100	>100
EDP 3	Earthworm sale		2000 worms	1000	1000	>100	>100
EDP 4	Mushroom production	40 beds	60 kg/ yr	7200	4000	>100	>100
EDP 5	Virgin coconut oil Production		12 litre/year	7200	5200	20.00	4.00
Total				55400	31200		524.00

Brief: The farmer used to get annual income of Rs.5000/- from vegetables as she was a housewife without much knowhow on scientific vegetable cultivation. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower and mushroom production as well as value addition training, she started adopting diversified vegetable production, vermicomposting, mushroom production and virgin coconut oil sale from 2020 onwards. she is now getting annual income of Rs. 31200/-. She is now a member of Women Karshika karma Sena under Krishibhavan Muthathala and now getting an additional income by doing mechanized transplanting in rice fields after completing farm mechanization course from KAU.



Vermicomposting (After DFI system)

Vegetable production



Mushroom production

Virgin coconut oil



Name of farmer: Shymi Jahan
Address: Kolathekattil, Kizhayur PO, Pattambi
Kerala:
Age: 27
Education: Degree
Size of land holding: 62 cents

1) Before intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.3	0.5	2500	1200
Total				2500	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Hort. Crop 1	Vegetables	0.5	2.5	7000	4000	400.00	233.33
EDP 1	Terrariums		10 Nos./year	10000	6000	>100	100
EDP 2	Rabbit rearing		100 Nos/ Year	30000	17000	>100	100
Total				47000	27000		2150

Brief: The farmer used to get annual income of Rs.1200/- from vegetables as she was a housewife without much knowhow on scientific vegetable cultivation. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower and nursery as well as livestock production, she started adopting diversified vegetable production, terrarium setting and rabbit sale from 2020 onwards. She is now getting annual income of Rs. 27000/-.



Kokedama, Terrarium, Rabbit rearing

(After DFI System)

ASCI Organic Grower trainee (After DFI)



Name of farmer: Mohanan Polanikalam

Address: Polanikalam House, Thathamangalam P.O, Palakkad-678102

Kerala:

Age: 62

Education: SSLC

Size of land holding (in acre): 10

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	5	160 q	336000	211000
Hort. Crop 1	Coconut	5	27,000	297000	116100
Hort. Crop 2	Banana	5 (intercrop)	39	42900	7020
Total				675900	334120

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	225 q	6,30,000	4,80,000	40.63	127.49
Hort. Crop 1	Coconut	5	34500	414000	189750	27.77	63.44
Total				1044000	669750		100.45

Brief: The farmer used to get annual income of Rs. 334120 from paddy, coconut, banana, livestock, etc. He faced problems like wild boar, pest and disease, nutrient disorder etc. With DFI interventions like wild boar repellent, sampoorna spray, scientific management of paddy cultivation, etc., he is getting annual income of Rs 6,69,750.



Paddy field



Coconut palms on buns



Name of farmer: Janardhanan A.P

Address: Thottapaya House, Kozhikkattiri P.O, Palakkad

Kerala:

Age: 80

Education: SSLC

Size of land holding (in acre): 12.75

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.)
Hort. Crop 1	Coconut	300	12000	108000	98000
Hort. Crop 3	Arecanut	50	4	60000	50000
Hort. Crop 4	Pepper	500	2.5	187500	163500
Total				355500	311500

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	300	30000	450000	390000	150.00	297.96
Field Crop 2	Banana	150	15	67500	49500	>100	>100
Hort. Crop 1	Arecanut	50	4.5	202500	187500	12.50	275.00
Hort. Crop 2	Pepper	500	7.5	337500	312500	200.00	91.13
Total				1057500	939500		201.61

Brief: The farmer used to get annual income of Rs. 3,11,500 from coconut, banana, arecanut pepper etc. He faced problems like water scarcity and was lacking in scientific knowledge of crop cultivation. With DFI interventions scientific management of coconut cultivation, getting advisories from KVK etc., he is getting annual income of Rs 9,39,500.



Coconut + pepper



Name of farmer: Bindhu Sivadasan

Address: Varikkottil House, Kozhikkattiri P.O, Palakkad

Kerala:

Age: 35

Education: Degree

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.)
Hort. Crop 1	Coconut	124	9300	83700	64950
Hort. Crop 2	Banana	200	18	50400	44800
Hort. Crop 3	Arecanut	300	24	360000	350000
Total				494100	459750

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	124	12400	186000	126000	33.33	93.99
Field Crop 2	Banana	200	20	90000	66000	11.11	47.32
Hort. Crop 1	Arecanut	300	27	1215000	1125000	12.50	221.43
Other enterprise (Specify)	Mushroom unit	1000 bed	15	450000	405000	>100	>100
Total				1941000	1722000		274.55

Brief: The farmer used to get annual income of Rs. 459750 from paddy, coconut, banana, mushroom etc. She faced problems like pest and disease, nutrient disorder etc. With DFI interventions like different trainings on mushroom cultivation, organic farming etc, she could increase her income to Rs. 1722000/- by starting a mushroom production unit.



Mushroom production unit



Name of farmer: Ramakrishnan P

Address: Thekkethil House, Kodallor P.O, Palakkad

Kerala:

Age: 68

Education: SSLC

Size of land holding (in acre): 1

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	0.90	30	63000	39000
Hort. Crop 2	Oriental pickling melon	0.10	15	15000	12500
Hort. Crop 3	Cowpea	0.40	90	225000	210000
Hort. Crop 4	Ashgourd	0.10	18	18000	15500
Total				321000	277000

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	0.90	36	100800	70800	20.00	81.54
Hort crop 1	Oriental pickling melon	0.10	20	30000	25000	33.33	100.00
Hort. Crop 2	Cowpea	0.40	85	340000	315000	5.88	50.00
Hort. Crop 2	Ashgourd	0.10	24	36000	31000	33.33	100.00
Hort. Crop 3	Bindi	0.30	105	262500	247500	>100	>100
Total				769300	689300		148.84

Brief: The farmer used to get annual income of Rs. 277000 from paddy, and vegetables He faced problems like wild boar, pest and disease, nutrient disorder, etc. With DFI interventions like wild boar repellent, sampoorna spray, scientific management of paddy cultivation, etc., he is getting annual income of Rs 6,89,300.



After DFI Intervention



Name of farmer: Krishnankutty K P

Address: Kommathraparambil House, Othaloor P.O, Palakkad Kerala:

Age: 54

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	Paddy	1.0	18	37800	16800
Hort. Crop 2	Banana	200	18	50400	44800
Total				88200	61600

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	1.0	23	64400	37400	27.78	122.62
Field crop 2	Pulses	1.0	2.5	40500	19400	>100	>100
Hort. Crop 2	Banana	250	25	112500	82500	38.89	84.15
Total				217400	139300		126.14

Brief: The farmer used to get annual income of Rs. 61600 from paddy, and banana He faced problems like wild boar, pest and disease, nutrient disorder, etc. With DFI interventions like new varieties, pulse cultivation, scientific crop management advisories, he is getting annual income of Rs 235631. The farmer receives trainings and guidance from KVK. He is getting annual income of Rs 139300.



Arecanut



Paddy



Name of farmer: Parameswaran

Address: Alakkashery House, Othaloor P.O, Palakkad

Kerala:

Age: 65

Education: SSLC

Size of land holding (in acre): 2.50

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	3.0	18	37800	16800
Hort. Crop 2	Coconut	15	1050	10125	6375
Hort. Crop 3	Arecanut	50	5	75000	65000
Livestock 1	Cow	4	3240 l/year	64800	32500
Total				187725	120675

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	2.0	23	64400	37400	91.67	122.62
Field crop 2	Pulses	2.0	5.0	80000	60000	>100	>100
Hort Crop 3	Coconut	15	1500	22500	18000	42.86	182.36
Hort. Crop 2	Arecanut	50	6	270000	255000	20.00	292.31
Livestock 2	Cow		4860l/year	238140	104100	50.00	220.31
Total				675040	474500		293.20

Brief: The farmer used to get annual income of Rs. 120675 from paddy, arecanut, coconut and livestock. He faced problems like wild boar, pest and disease, nutrient disorder, etc. With DFI interventions like new varieties, pulse cultivation., he is getting annual income of Rs 474500. The farmer receives trainings and guidance from KVK.



Field at transplanting



Paddy field



Name of farmer: Unnikrishnan N.

Address: Nambath, Meppuram

Kerala:

Age: 63

Education: 7th

Size of land holding (in acre): 0.4

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.)
Field Crop 1	Rice	1.2	30	63000	34200
Livestock 1	Cow	2	3240 l/year	64800	54800
Total				127800	89000

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	1.2	40	112000	76000	33.33	122
Field Crop 2	Pulses	1.2	2.0	32000	22000	>100	>100
Livestock 1	Cow	2	3600 l/year	140400	120400	11.11	119.71
Livestock 2	Goat	15		105000	32000	>100	>100
Total				389400	250400		181.35

Brief: The farmer used to get annual income of Rs. 89000/- from rice , cow etc. He faced problems like high pest and disease and nutrient disorder. With DFI interventions like organic methods of plant protection , new varieties etc., he is getting annual income of Rs 250400. In addition, she advisories through KVK.



Paddy field



Name of farmer: Premkumar K.V

Address: Kozhipurathuvalappil House, Othaloor P.O, Palakkad

Kerala:

Age: 54

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	Paddy	1.0	20	42000	18000
Hort. Crop 2	Coconut	20	1500	13500	8500
Hort. Crop 3	Arecanut	50	1.5	60000	50000
Hort. Crop 4	Oriental pickling melon	0.15	30	60000	45000
Total				175500	121500

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	1.0	25	70000	40000	25.00	122.22
Field crop 2	Pulses	1.0	2.0	32000	22000	>100	>100
Hort Crop 1	Coconut	20	2000	30000	24000	33.33	182.36
Hort. Crop 2	Banana	100	10	45000	33000	>100	>100
Hort. Crop 3	Arecanut	50	5	225000	210000	233.33	320.00
Hort. Crop 4	Vegetable	0.15	37.5	150000	130000	25.00	188.89
Total				552000	459000		277.78

Brief: The farmer used to get annual income of Rs. 121500 from paddy, coconut, arecanut and vegetables. He faced problems like wild boar, pest and disease, nutrient disorder, etc. With DFI interventions like new varieties, pulse cultivation etc. he is getting annual income of Rs 459000. The farmer receives trainings and guidance from KVK.



Paddy field



Arecanut + banana



Name of farmer: T N Chandran
Address: T N House, Pattithara P O, Pattithara
Kerala:
Age: 71
Education: SSLC
Size of land holding (in acre): 0.9

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	5	90	189000	69000
Hort. Crop 1	Banana	0.5	60	150000	50000
Hort. Crop 2	Coconut	0.5	4500	49500	19500
Hort. Crop 3	Arecanut	0.25	4	22500	13000
Hort. Crop 4	Vegetables	1	15	94000	32000
Total				505000	183500

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	8	200	540000	340000	122.22	392.75
Hort. Crop 1	Banana	0.5	75	225000	68750	25.00	37.50
Hort. Crop 2	Coconut	0.5	6000	72000	33300	33.33	70.77
Hort. Crop 2	Arecanut	0.5	9	60000	29000	125.00	123.08
Hort. Crop 2	Vegetables	1.5	30	200000	71250	100.00	122.66
Other enterprise							
Total				1097000	542300		195.53

Brief: The farmer used to get annual income of Rs. 183500/- from paddy, banana, coconut, arecanut and vegetables. He faced problems like low productivity, pest and disease infestation in paddy and banana. With DFI interventions like management of pseudostem weevil and panama wilt in banana, INM in paddy and coconut etc., he is getting annual income of Rs. 542300/-.



Paddy



Arecanut



Name of farmer:Saidelavi

Address: Kodiyimmal, Manniyamparumbalam Po Kudallur
Kerala:

Age: 61

Education: SSLC

Size of land holding (in acre): 0.30 + 9 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	10	210	441000	106000
Hort. Crop 1	Vegetables	1	22	66000	51000
Hort. Crop 2	Coconut	25no	1250	11250	5000
Total				507000	162000

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	18	396	1108800	289800	88.57	173.39
Hort. Crop 1	Vegetable	1	25	100000	80000	13.64	56.86
Hort. Crop 2	Coconut	25no	1325	19875	12375	6.00	147.50
Total				1228675	382175		135.91

Brief: The farmer used to get annual income of Rs.162000/- from paddy, vegetable and coconut. He faced problems like low productivity in coconut, pest and disease problems in paddy and vegetable etc. He attended several training programmes by KVK, was a part of FLD programmes. The trainings and diagnostic field visits conducted by KVK increased the confidence of the farmer and he expanded his paddy cultivation. With DFI interventions like plant protection methods, use of improved varieties etc., he is getting annual income of Rs. 382175/-.



Paddy field



Vegetable field



Name of farmer: Sujatha K

Address: Chithambaram, Perumannor P O, Challisery, Palakkad

Kerala:

Age: 53

Education: Degree

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	Paddy (traditional variety)	2	20	50000	14000
Hort. Crop 1	Vegetables	0.35	1.05	6700	3000
Livestock 1	Cow	2	4200/1	126000	16500
Total				182700	33500

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 (traditional variety)	2	23	92000	50000	15.00	257.14
Hort. Crop 1	Vegetables	0.35	1.25	7200	4700	19.05	56.67
Livestock 1	Cow	2	4200/1	168000	22000	0	33.33
Other enterprise	Value addition of vegetables and fruits		100 L	45000	25000	>100	>100
Total				312200	101700		203.58

Brief: The farmer is practicing traditional paddy cultivation, vegetables, cow and value addition of fruits and vegetables and used to get an income of Rs. 33500/-. Farmer faced the problem of low income from farming. Trainings on value addition, scientific cultivation of crops benefited the farmer. The trainings also helped the farmer to improve the marketing strategies. With DFI interventions like value addition, marketing strategies etc., she is getting annual income of Rs 101700/-.



Paddy field



Value added products



Name of farmer: Anil Kumar K
Address: Kechari House, Kocharyl, Pattambi
Kerala:
Age: 47
Education: SSLC
Size of land holding (in acre): 30

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	12	216	453600	165600
Hort. Crop 1	Vegetables	2	50	72000	51000
Hort. Crop 2	Arecanut	1	22	330000	180000
Hort. Crop 3	Coconut	1	6300	56700	25200
Hort. Crop 3	Rubber	12	4500 1	450000	30000
Livestock 1	Cow	1	42001	126000	34750
Total				1488300	486550

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	12	264	739200	379200	22.22	128.99.
Hort. Crop 1	Vegetables	2	70	210000	160000	40.00	213.73
Hort. Crop 2	Arecanut	1	25	1062500	762500	13.64	323.61
Hort. Crop 2	Coconut	1	7000	105000	63000	11.11	150.00
Hort. Crop 3	Rubber	14	5900 1	678500	146500	12.38	388.33
.Livestock 1	Cow	1	42001	176400	85150	0	145.04
Total				2971600	1596350		228.09

Brief: The farmer used to get annual income of Rs. 486550/- from paddy, vegetable, coconut, arecanut, rubber and cow. He faced problems like low yield in vegetables, pest and disease infestation in paddy etc. The farmer attended several training programmes of KVK and improved his practices. With DFI interventions like improved varieties, INM etc, he is getting annual income of Rs .1596350 at present.



Paddy field



Arecanut field



Name of farmer: Hamal A K

Address: Erakadathu house, vietnampadi, Koppam, Palakkad

Kerala:

Age: 52

Education:

Size of land holding (in acre): 1

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	0.80	5000	45000	42300
Hort. Crop 2	Vegetables	0.25	5	15000	10000
Total				60000	52300

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	0.80	5700	85500	49500	14.00	17.02
Hort. Crop 2	Vegetable	0.50	12	42000	32000	140.00	220.00
Livestock 1	Goat	15		105000	32000	>100	>100
Other enterprises	Plant nursery		3500	210000	105000	>100	>100
Other enterprises	Bio-input production unit		101	12000	7000	>100	>100
Total				454500	225500		331.17

Brief: The farmer used to get annual income of Rs. 52300/- from coconut and vegetable. Farmer has attended training programmes on nursery, bio input production, cultivation of mango, coconut, vegetables, dairying etc. With DFI interventions like starting new enterprises, she is getting annual income of Rs 225500.



Nursery



Bioinputs



Name of farmer: Abdul Samed
Address: Palathingal House, Kizhayur P O
Kerala:
Age:55
Education: SSLC
Size of land holding (in acre):0.25

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	10nos	1000	9000	8000
Total				9000	8000

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	10	1500	22500	16500	50.00	106.25
Hort. Crop 2	Vegetables	0.10	0.5	1500	1000	>100	>100
Hort. Crop 2	Banana	0.10	7	24500	12500	>100	>100
Total				48500	30000		275.00

Brief: The farmer used to get annual income of Rs. 8000/- from coconut. He got interested in farming after attending the capacity building programmes of KVK. Farmer gave more attention to his coconut palms and started intercropping with vegetables and banana in the small land area. From proper management and scientific practice farmer earns annual income of Rs 30000/-.



After DFI interventions



Name of farmer: Kavungal Vasu Vijukumar

Address: Sairandri Garden, Attapady

Kerala:

Age: 51

Education: Degree

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					

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	Dragon fruit	5	500	8500000	320000	>100	>100
Total				8500000	320000		>100

Brief: The farmer purchased land in Attappady and wanted to start farming. Farmer got awareness on the exotic fruit crop from KVK trainings. With DFI interventions he is getting annual income of Rs. 320000/- . KVK also intervened in marketing during COVID lock down period. Through Horticorp, he could market around 1 t fruits daily during the season.



Logo of the farm

Dragon fruit farm at Attappady



Name of farmer: Muhammadali

Address: Vettuparambil

Kerala:

Age: 56

Education: 5th

Size of land holding (in acre): 5 acre (own), 25 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	Rice	27	567	1190700	417700
Field Crop 2	Pulses	1	2.2	28000	13000
Hort. Crop 1	Vegetables	2	150	375000	335000
Total				1593700	765700

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	27	810	2268000	1283000	42.86	207.16
Field Crop 2	Pulses	1	2.5	37500	18100	13.64	39.23
Hort. Crop 1	Vegetables	2	170	578000	528000	13.33	57.61
Total				2883500	1829100		138.88

Brief: The farmer used to get annual income of Rs. 765700/- from paddy, vegetables and pulses. He faced problems like low yield, lack of awareness on scientific management of vegetable etc. With DFI interventions like trainings on scientific management practices he is getting annual income of Rs.1829100/-



Paddy field



Vegetable field



Name of farmer: Moideenkutty

Address: Killiyal Valappil, Perumudiyoor P O. Pattambi

Kerala:

Age: 58

Education: 9 th

Size of land holding (in acre) : 0.50

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	1500	13500	10500
Total				13500	10500

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	0.50	1800	27000	21000	20.00	100.00
Hort. Crop 2	Banana	0.20	16	56000	26000	>100	>100
Hort. Crop 3	Vegetable	0.10	0.5	1500	1000	>100	>100
Total				84500	48000		357.14

Brief: The farmer used to get annual income of Rs. 10500/- from coconut. The farmer faced problems like low land productivity. With DFI interventions like intercropping, he is getting annual income of Rs. 48000/-.



Vegetable



Banana



Photo of farmer

Name of farmer: M. V. Ramadasan
Address: Pindalikkavariyam, Kalladippara, Ongallur Kerala:
Age: 60
Education: Degree
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	1.5	31.5	66150	30150
Hort. Crop 1	Coconut	1	2500Nos.	22500	11250
Hort. Crop 2	Banana	0.5	35	105000	30000
Total				193650	71400

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	1.5	42	117600	72600	33.33	140.79
Hort. Crop 1	Coconut	1	4000Nos	60000	30000	60.00	166.67
Hort. Crop 2	Banana	0.5	45	157500	75000	28.57	150.00
Total				335100	177600		148.74

Brief: The farmer used to get annual income of Rs71400/- from rice, coconut and banana .Farmer attended training programmes of KVK. With DFI interventions like INM, improved varieties in paddy and banana etc., he is getting annual income of Rs . 177600/-.



Paddy field



Banana field



Name of farmer: Girdharan C.

Address: Kongalam Veed, Kannambra, Palakkad

Kerala

Age: 61

Education: SSLC

Size of land holding (in acre): 1

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 (two season)	105	220500	100500
Hort. Crop 1	Coconut	11 no.	1100	9900	6050
Total				230400	106550

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 (two season)	140	392000	242000	33.33	140.79
Hort. Crop 1	Coconut	11 no.	1100	16500	11000	0	81.82
Total				408500	253000		137.45

Brief: The farmer used to get annual income of Rs. 106550/- from paddy and coconut. He was facing problems like poor nutrient management and pest and diseases in paddy. Farmer attended the training programmes on paddy and started practicing the scientific cultivation. With DFI interventions like INM and timely management of pest and diseases, he is getting annual income of Rs. 253000/-.



Paddy field



Name of farmer: K. Janardhanan
Address: Kulappura (H) Thumbikad P.O, Kollenkode
Palakkad, PIN
Kerala: Age: 54
Education: Degree
Size of land holding (in acre): 24.5

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	14 (2 seasons)	616 Q	1293600	594000
Hort. Crop 1	Coconut	1.5	6600 No	66000	36000
Total				1359600	630000

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	14 (2 seasons)	700Q	2015300	1203300	13.64	102.58
Horti. Crop 1	Coconut	1.5	8000 No.	120000	57000	21.21	58.33
Total				2135300	1260300		100.05

Brief: The farmer used to get annual income of Rs. 630000 from paddy and coconut. He faced problems like low yield, weeds in paddy and pest and diseases. With DFI interventions like weed management, IPDM, INM etc., he is getting annual income of Rs.1260300/-.



coconut



Paddy field



Name of farmer: C.N Sahadevan
Address: Vattompotta, Nallepilli, Chittoor
P.O, Thekkedesam, Palakkad
Kerala: Age: 56
Education: Plus two
Size of land holding (in acre): 7

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	5 (2 seasons)	220 Q	484000	254500
Hort. Crop 1	coconut	2	7975 No.	79750	44750
Total				563750	299250

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	290 Q	812000	522000	31.82	105.11
31.82	105.11	2	10450 No.	156700	86700	31.03	93.74
31.03	93.74			968700	608700		103.41
	103.41						

Brief: The farmer used to get annual income of Rs. 299250/- from paddy and coconut. He faced problems like low yield, pest and diseases. With DFI interventions like integrated pest and disease management, INM etc., he is getting annual income of Rs. 608700/-.



Coconut + Paddy field



Name of farmer: Kaladharan .K
Address: Vattompotta, P.O
Thekkedesam, Nallepilly, Chittoor
Kerala: Age: 62
Education: Predegree
Size of land holding (in acre): 3

1) Before Intervention

Table with 6 columns: Component Description, Components, Names, Area (Acre)/Number, Production (Q/Liter/No.), Gross Income (Rs.), Net Income (Rs.). Rows include Field Crop 1 (Paddy), Hort. Crop 1 (Coconut), and Total.

2) Status in 2020

Table with 8 columns: Component Description, Components, Names, Area (Acre)/No, Production (Q/Liter/No.), Gross Income (Rs.), Net Income (Rs.), % increase over base year (production, income). Rows include Field Crop 1 (Paddy), Hort. Crop 1 (Coconut), and Total.

Brief: The farmer used to get annual income of Rs.117000/- from paddy and coconut. He faced problems like pest and diseases, poor nutrient management etc. With DFI interventions like INM, IPM etc., he is getting annual income of Rs_234100/-.



Coconut field



Effect of DFI intervention

Name of KVK: KVK, Palakkad

Name of farmer: Girish M

Address: Mundakkuzhi, Thiruvazhiyur P.O, Kattukulam

Kerala: 47 Education: SSLC

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	Paddy	1.5 (2 seasons)	78 Q	163800	91800
Hort.Crop 1	Rubber	1	1000 Sheet	31000	20375
Total				194800	112175

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 (2 seasons)	87 Q	243600	158100	11.54	72.22
Hort.Crop 1	Rubber	1	1200 sheet	110500	80000	20.00	292.64
Total				354100	238100		112.26

Brief: The farmer used to get annual income of Rs.112175/- from paddy and rubber,. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.238100/-.



After DFI intervention



Name of farmer: Basheer

Address: Kazhungil House, Pattiththara P.O

Kerala:

Age: 48

Education: B. tech

Size of land holding (in acre): 9

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	8 (2 seasons)	256 Q	537600	153600
Hort. Crop 1	coconut	1	5525	49725	28725
Total		9		587325	182325

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	8	296Q	828800	364800	15.63	137.50
Hort. Crop 1	Coconut	1	5950	89250	54250	7.69	88.86
Total		9		918050	419050		129.84

Brief: The farmer used to get annual income of Rs. 182325/- etc. He faced problems like paddy and coconut. He faced problems like pest and disease incidence. With DFI interventions like timely diagnostic field visits, trainings etc., he is able to adopt correct management practices and is getting an annual income of Rs.419050 /- In addition, there is cost saving by avoiding unnecessary pesticide application.



Photo-1

Harvesting



Paddy field



Name of farmer: Senthil Kumar

Address: : S/O Chinna Gounter, Muthimanapattam,
Kozhijampara, Palakkad District

Kerala: Age: 42

Education: ITI

Size of land holding (in acre): 10

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	56	117390	69390
Hort. Crop 1	Coconut	3.5	21300No.	191700	80550
Hort. Crop 2	Banana	3	218	609000	339000
Hort. Crop 3	Fodder grass	0.5	750	37500	25500
Hort. Crop 4	vegetables	2.25	200	172500	77500
Livestock 1	Cow	10 No.	20075 1	602250	179903
Total				1730340	771843

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	115	320880	200880	105.36	189.49
Hort. Crop 1	Coconut	5.5	24398 No.	365970	217770	14.54	170.35
Hort. Crop 2	Banana	2	160	720000	480000	-26.60	41.59
Hort. Crop 3	Fodder grass	2	3000	225000	165000	300.00	547.06
Hort. Crop 4	Vegetables	1.25	115	246500	157000	-42.50	102.58
Hort. Crop 5	Tapioca	3	160	112000	76500	>100	>100
Livestock 1	Cow	16 No.	27375 1	1231875	421375	36.36	134.23
Total				3222225	1718525		122.65

Brief: The farmer used to get annual income of Rs.771843/- from paddy ,coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties,plant protection methods, etc., he is getting annual income of Rs. 1718525/-.



Coconut field



Vegetable



Name of farmer: Ummer P.A..

Address:, Palode (PO), Thachanattukaara, Palakkad District

Kerala: Age: 54

Education: Higher secondary

Size of land holding (in acre): 10 (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	Tapioca	5	260	156000	55730
Hort. Crop 2	Banana	0.5	48	133000	88000
Hort. Crop 3	vegetables	5.0	557	549600	363600
Livestock 1	Cow	1No.	1825 l	54750	11925
Livestock 2	Hen	8 No.	1560 No.	6240	1400
Total				899590	545655

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	5	271	216800	95400	4.23	71.18
Hort. Crop 2	Banana	0.5	55	247500	177500	14.58	101.70
Hort. Crop 3	vegetables	6.0	614	1022000	724000	10.23	99.12
Livestock 1	Cow	2No.	3650 l	164250	74750	100.00	52.68
Livestock 2	Hen	10 No.	2190 No	13140	6640	40.38	374.29
Total				1663690	1113290		104.03

Brief: The farmer used to get annual income of Rs.545655/- from Tapioca, Banana, Vegetables etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.1113290/-.



DFI interventions



farmer

Name of farmer: Venu K.

Address: Malamalakkalam House, Palode (PO) Thachanattukara,
Palakkad District

Kerala: Age: 47 Education: SSLC

Size of land holding (in acre): 13

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	133	278250	158250
Hort. Crop 1	Coconut	3	20400 No.	183600	88330
Hort. Crop 2	Plantain	3	223	446000	176000
Hort. Crop 3	Fodder	1.5	2100	105000	68000
Hort. Crop 4	vegetables	2.25	211	207800	106800
Livestock 1	Cow	15 No.	26280 1	788400	265575
Livestock 2	Hen	50 No.	13870 No	55480	18980
Other enterprise	Bee Keeping	300 No.	40	1400000	940000
Total				3464530	1821935

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	175	490840	310840	31.58	96.42
Hort. Crop 1	Coconut	3.5	24135 No.	362025	215625	18.31	144.1
Hort. Crop 2	Plantain	3	234	748800	378800	4.93	115.23
Hort. Crop 3	Fodder	2	2900	217500	157500	38.10	131.62
Hort. Crop 4	vegetables	2.25	173	413200	249200	-18.01	133.33
Livestock 1	Cow	20	36500 1	1642500	658000	38.89	147.7
Livestock 2	Hen	60 No.	16425 No.	98550	54150	18.42	185.30
Other enterprise	Bee Keeping	400 No.	60	2400000	1620000	50.00	72.34
Total				6373415	3644115		100.01

Brief: The farmer used to get annual income of Rs. 1821935/- from paddy ,coconut, plantain, bee keeping etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, capacity building programmes etc., he is getting annual income of Rs.3644115/-.



Coconut



Honey bee



Name of farmer: K. Gopalaswamy
 Address: S/O Kantha Swami Gounter,
 Muthimanapattam, Nattukal post, Kozhinjampara
 Kerala: Age: 58 Education: Higher secondary
 Size of land holding (in acre): 3.5

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	44	92400	44400
Hort. Crop 1	Coconut	2	12750	114750	47250
Hort. Crop 2	Banana	0.5	50	55000	9000
Hort. Crop 3	vegetables	0.25	20	50600	21700
Livestock 1	Cow	3	6000 1	168000	63000
Total				480750	185350

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	48	134400	74400	9.09	67.57
Hort. Crop 1	Coconut	2	14250	213750	123750	11.76	161.90
Hort. Crop 2	Banana	0.5	55	77000	12300	10.00	36.67
Hort. Crop 3	vegetables	0.25	22	88000	57000	10.00	162.67
Livestock 1	cow	3	6500 1	292500	142500	8.33	126.19
Hort. Crop 4	Fodder grass	0.5	750	37500	25500	>100	>100
Total				843150	435450		134.93

Brief: The farmer used to get annual income of Rs.185350/- from paddy ,coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties,plant protection methods, etc., he is getting annual income of Rs.435450/-.



Before DFI crops/system



After DFI crops/system



Name of farmer: Gopalakrishnan P.V.
Address: Poolerivalappil house, Kakkattiri,
Thrithala, Palakkad District
Kerala: Age: 53 Education: Higher
secondary
Size of land holding (in acre): 10.5

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	10 (For lease)	240	504000	242000
Hort. Crop 1	Coconut	6 No.	516 No.	4644	1944
Hort. Crop 2	Arecanut	12 No.	0.25	3750	2850
Hort. Crop 3	vegetables	1.25	56	91000	49500
Hort. Crop 4	Banana	0.1	11	30800	21800
Livestock 1	Hen	10 No.	2555 No.	10220	4220
Total				644414	322314

2) Status in 2020

Component Description ⁸		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 (For lease)	280	784000	484000	16.67	100.00
Hort. Crop 1	Coconut	6 No.	630 No.	9450	5850	22.09	200.93
Hort. Crop 2	Arecanut	12 No.	0.3	13500	12060	20.00	323.16
Hort. Crop 3	vegetables	1.25	57	150500	88000	1.79	77.78
Hort. Crop 4	Banana	0.1	14	60750	48750	27.27	123.62
Livestock 1	Hen	12 No.	3285 No.	19710	8640	28.57	104.74
Total				1033410	645230		100.19

Brief: The farmer used to get annual income of Rs. 322314/- from Paddy, coconut, vegetables, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, introduction of new crop, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.645230/-.



Paddy field



Paddy + arecanut



Name of farmer: Gopalakrishnan P.
Address: Payattil House, South Vavannur,
Palakkad District
Kerala: Age: 56
Education: Upper primary
Size of land holding (in acre): 2.8

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	30	63000	33000
Hort. Crop 1	Coconut	0.75	5700	51300	24300
Hort. Crop 2	Banana	0.3	35	98000	71000
Hort. Crop 3	Arecanut	0.5	6.3	94500	73875
Hort. Crop 4	vegetables	0.15	5.2	13200	7800
Total				320000	209975

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	33	92400	52900	10.00	60.30
Hort. Crop 1	Coconut	0.75	6300	94500	58500	10.53	140.74
Hort. Crop 2	Banana	0.3	38	171000	135000	8.57	90.14
Hort. Crop 3	Arecanut	0.5	7.2	324000	291000	14.29	293.91
Hort. Crop 4	vegetables	0.15	5.6	18900	10700	7.69	37.18
Hort. Crop 5	Nutmeg	4 No.	0.12	3000	1200	>100	>100
Total				703800	549300		161.60

Brief: The farmer used to get annual income of Rs. 209975/- from paddy ,coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties,plant protection methods, etc., he is getting annual income of Rs. 549300/-.



Paddy field



Banana field



Name of farmer: Satheesh R.

Address: Poolakkad kalam, Panayur post, Athikkod,

Palakkad District

Kerala: Age: 43

Education: Graduate

Size of land holding (in acre): 22.8

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	20	1080	2268000	1237000
Hort. Crop 1	Coconut	2	11500 No.	103500	36000
Hort. Crop 2	Banana	0.05	5.8	16240	11640
Hort. Crop 3	Arecanut	0.4	4.5	67500	52500
Hort. Crop 4	vegetables	0.25	25.5	29300	14500
Hort. Crop 5	Pepper	0.1	0.9	54000	47500
Livestock 1	Cow	1 No.	2190 1	65700	23700
Live stock 2	Hen	20	5840 No.	23360	8760
Total				2494800	1431600

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	20	1240	3472000	2272000	14.81	83.67
Hort. Crop 1	Coconut	2	14500 No.	217500	127500	26.09	254.17
Hort. Crop 2	Banana	0.05	6.5	29250	23250	12.07	99.74
Hort. Crop 3	Arecanut	0.4	5.2	234000	210000	15.56	300.00
Hort. Crop 4	vegetables	0.25	34.5	60700	40200	35.29	177.24
Hort. Crop 5	Pepper	0.1	1.3	62400	54900	44.44	15.58
Livestock 1	Cow	1 No.	3285 1	147825	99825	50.00	321.2
Live stock 2	Hen	25	8030 No.	48180	27680	37.50	215
Other enterprise	Biogas		1.4	8960	7960	>100	>100
Total				4280815	2863315		100.0

Brief: The farmer used to get annual income of Rs.1431600/- from paddy ,coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs. 2863315/-.



Paddy field



Banana



Name of farmer: Jayaram P.

Address Ramalayam, Mannam Nagar, Tippusulthan road,
Mannarkkad, Palakkad District

Kerala: Age: 57

Education: Higher secondary

Size of land holding (in acre): 0.1

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 No.	400 No.	3600	1350
Hort. Crop 2	Banana	15 No.	1.65	4620	3270
Hort. Crop 3	Vegetables (Intercrop)	0.05	11.4	24830	17730
Hort. Crop 4	Arecanut	10 No.	0.2	3000	2250
Total				32450	24600

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 No.	530 No.	7950	4950	32.50	266.67
Hort. Crop 2	Banana	15 No.	2.10	9450	7650	27.27	133.95
Hort. Crop 3	Vegetables (Intercrop)	0.05	12.65	41700	32450	10.96	83.02
Hort. Crop 4	Arecanut	10 No.	0.29	13050	11850	45.00	426.67
Total				72150	56900		131.30

Brief: The farmer used to get annual income of Rs.24600/- from Coconut, Banana, Vegetables etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.56900/-.



After DFI Intervention



Name of farmer: Suresh Babu M.
Address: Mannil House, South Vavannur,
Koottanadu, Palakkad District
Kerala: Age: 49
Education: Higher secondary
Size of land holding (in acre): 12.7

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	12	240	504000	216000
Hort. Crop 1	Coconut	0.5	3960 No.	35640	19440
Hort. Crop 2	Banana	0.1	12	33600	24600
Hort. Crop 3	Arecanut	0.1	0.85	12750	9750
Hort. Crop 4	vegetables	1.3	56	91000	49500
Total				676990	319290

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	12	264	739200	379200	10.00	75.56
Hort. Crop 1	Coconut	0.5	4760 No.	71400	49800	20.20	156.17
Hort. Crop 2	Banana	0.1	14.8	66600	55600	23.33	126.02
Hort. Crop 3	Arecanut	0.1	1.25	56250	51450	47.06	427.69
Hort. Crop 4	vegetables	1.3	62	160000	103500	10.71	109.09
Total				1093450	639550		100.30

Brief: The farmer used to get annual income of Rs.319290/- from paddy ,coconut, banana, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties,plant protection methods, etc., he is getting annual income of Rs.639550/-.



Paddy field after intervention



Name of farmer: Manikandan M. K.
Address: Margassery House, Ezhakkad P.O.,
Mundoor, Palakkad District
Kerala: Age: 50
Education: Graduation
Size of land holding (in acre): 4.5

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	3.5	138	289800	121800
Hort. Crop 1	Coconut	0.5	3280 No.	29520	13320
Hort. Crop 2	Plantain	0.1	11	22000	14500
Total				341320	149620

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	154	431200	221200	11.59	81.61
Hort. Crop 1	Coconut	0.5	3800 No.	57000	35400	15.85	165.76
Hort. Crop 2	Plantain	0.1	14	49000	40000	27.27	175.86
Hort. Crop 3	Rubber	0.4	0.8	8000	3200	>100	>180
Total				545200	299800		100.37

Brief: The farmer used to get annual income of Rs.149620/- from paddy ,coconut, plantain, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties,plant protection methods, etc., he is getting annual income of Rs.299800/-.



Coconut



Rubber



Name of farmer: Unnikrishnan
Address: Ayinikkatt, Amakkavu P.O.,
Koottanad, Palakkad District
Kerala: Age: 65 Education: Higher
secondary
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	Paddy	1.25	28	58800	28000
Hort. Crop 1	Coconut	0.50	5250 No.	47250	24750
Hort. Crop 2	Arecanut	0.4	8.8	308000	216000
Hort. Crop 3	vegetables	0.5	65	88500	47500
Hort. Crop 4	Banana	0.1	11	30800	21800
Livestock 1	Cow	4No.	7100 1	213000	61000
Livestock 2	Hen	8 No.	1560 No.	6240	1400
Total				752590	400450

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	30	84000	46000	7.14	64.28
Hort. Crop 1	Coconut	0.50	5900 No.	88500	58500	12.38	136.36
Hort. Crop 2	Arecanut	0.4	9	382500	287500	2.27	33.10
Hort. Crop 3	vegetables	0.5	70	129250	70250	7.69	47.89
Hort. Crop 4	Banana	0.1	14	60750	48750	27.27	123.62
Livestock 1	Cow	5 No.	10950 1	492750	282750	54.22	363.52
Livestock 2	Hen	12 No.	2655 No.	15930	7290	70.19	421.71
Total				1253680	801040		100.04

Brief: The farmer used to get annual income of Rs.400450/- from Tapioca, vegetables, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, introduction of new crop, use of improved varieties, plant protection methods, etc., he is getting annual income of Rs.801040/-.



Banana



Vegetable



Name of farmer: Ramachandran K
Address: Karimpanakal (H),
Kunduvanpadam PO, Kadampazhipuram Via, Kongad, Palakkad
Kerala:
Age: 56
Education: Degree
Size of land holding: 3.75 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre).	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	2.75	120	252000	100750
Hort. Crop 1	Coconut	1	5500	49500	19500
Total				301500	120250

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Rice	2.75	100	700000	449000	-16.67	345.66
Hort. Crop 1	Coconut	1	7000	91000	41000	27.27	110.26
Hort. Crop 2	Black Pepper	32 No.	Not yet yielded	-	-		
Livestock 1	Cow	1	2000 litre	60000	30000	>100	>100
Livestock 2	Goat	2	Not yet yielded	-	-		
Livestock 3	Hen	10	1000 No. /year	6000	3500	>100	>100
Total				857000	523500		335.34

Brief: The farmer used to get annual income of Rs.120250/- from rice and coconut without much knowhow on scientific cultivation. He was following chemical practices for rice and coconut production earlier. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower, he started adopting organic farming especially Jeevamrutham and safe to eat plant protection methods for the past three years, he is now getting annual income of Rs. 523500/-. He is now selling organic rice @ Rs. 70/kg and also maintaining a Jaiva Gruham model with integrated farming and Livestock system for sustainable organic production



Organic Rice Production
(After DFI System)

More land utilization with new crops and Livestock (After DFI system)



Name of farmer: Chandrababu A K

Address: Kadampurathu (H), Mudavannur PO., Maelathur, Thrithala Kerala:

Age: 60

Education: SSLC

Size of land holding (in acre): 4 Acre (own), 1 acre (Lease)

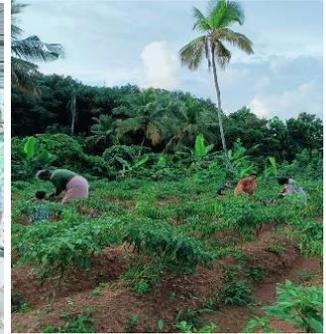
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Rice	4	200	420000	203000
Livestock	Cow	14	25000 1	750000	190000
Total				1170000	393000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Filed crop	Rice	4	230	644000	429000	15.00	111.33
Hort. Crop 1	Vegetables	1	100	72000	22000	>100	>100
Livestock 1	Cow	9 Nos	18000 L	810000	317250	-28.00	66.97
Livestock 2	Goat	40 Nos.	30 L	216000	6600	>100	>100
Livestock 3	Hen	30 Nos.	60000	360000	16000	>100	>100
Total				2102000	790850		101.23

Brief: The farmer, used to get annual income of Rs. 393000/- from vegetables. With DFI interventions and ASCI Organic grower as well as various KVK trainings, he started adopting organic rice and vegetable production. He is now a member of 'A' grade cluster 'Samrudhi'. He is now selling organic rice and vegetables at Ecoshops. He is getting annual income of Rs 790850/-.



After DFI interventions

Effect of DFI intervention

Name of KVK: KVK-Palakkad



Name of farmer: Sathesh V G
Address: Vazhakunnathu (H),
Cherplassery PO., Palakkad
Kerala:
Age: 53
Education: Degree
Size of land holding: 40 cents

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	40 cents	30	24000	10000
Total				24000	10000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	20 cents	18	45000	15000	-40.00	50.00
Hort. Crop 2	Tapioca	1 acre	45	36000	20,000	>100	>100
Livestock 1	Hen	27 Nos	1000 eggs/year	6000	2000	>100	>100
Total				87000	37000		270.00

Brief: The farmer used to get annual income of Rs.10000/- from vegetables and he was not following scientific vegetable cultivation. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower training, he started adopting diversified organic vegetable production from 2020 onwards. He is now getting annual income of Rs. 37000/-..



After DFI interventions



Name of farmer: Velayudhan KC
Address: Geethanjali, Registrar office road,
Azhiyanoor po, Kadampazhipuram
Kerala:
Age: 63
Education: Degree
Size of land holding: 25 cents

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.25	0.5	2500	1200
Total				2500	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.25	1.5	5000	3000	200	150
Livestock 1	Hen	20 Nos	2000 Nos./year	12000	8000	>100	>100
EDP 1	Compost making		5 q/year	7500	5000	>100	>100
Total				24500	16000		1233

Brief: The farmer used to get annual income of Rs.1200/- from vegetables. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower and livestock production, he started adopting diversified vegetable production and composting from 2020 onwards. He is now getting annual income of Rs. 16000/-.



(After DFI System)



Name of farmer: SANKARANKUTTY

Address: Vazhathody (H),

P.O, Koonathara, Kolappilli

Kerala: Age: 61

Education: Bcom

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	22 Q	46200	22200
Hort. Crop 1	coconut	25 cent	1200 no.	12000	8000
Hort. Crop 2	Arecanut	25cent	0.60 Q	9000	7200
Total				67200	37400

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	28 Q	78400	48400	27.27	118.02
Hort. Crop 1	coconut	25cent	1800 No.	27000	21000	50.00	162.50
Hort. Crop 2	Arecanut	25cent	0.65 Q	22750	16750	8.33	132.64
Total				128150	86150		130.35

Brief: The farmer used to get annual income of Rs. 37400/- from paddy, coconut and arecanut. He faced problems like pest, diseases, weeds etc. With DFI interventions like weed management, timely pest and disease management etc., he is getting annual income of Rs. 86150/-.



Land preparation



Paddy field



Effect of DFI intervention

Name of KVK: Palakkad

Name of farmer: Muhammed Noufal

Address: Kurukkolil (H)

P.O Sankaramangalam, Pattambi

Kerala: Age: 32

Education: Plus two

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	1.5	3250	32500	22500
Hort. Crop 2	Ginger and turmeric	25 cent	1000kg	40000	30000
Total				72500	52500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area	Production	Gross	Net Income	production	income
Hort. Crop 1	Coconut	1.5	4500	67500	47500	38.46	111.11
Hort. Crop 2	Ginger and turmeric	25 cent	1200kg	54000	42000	20.00	40.00
livestock	goat	10	5	150000	50000	>100	>100
poultry	Duck and chick	120	12250	182500	73000	>100	>100
Total				454000	212500		304.76

Brief: The farmer used to get annual income of Rs52500 from coconut, ginger and turmeric.. He faced problems like poor nutrient management due to less awareness, pest and diseases etc. He approached KVK for advice. Field visit was conducted and necessary recommendations were made. With DFI interventions like soil test based nutrient management, new enterprises (IFS) etc., he is getting annual income of Rs.212500/-.



Goat farm



Poultry





Name of farmer: Geetha Gopalakrishnan

Address: Kallammarthodi (H), Kizhayur, Pattambi

Kerala:

Age: 63

Education: BA

Size of land holding (in acre): 2.67

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	2.00	40	84000	48000
Hort. Crop 1	Coconut	20	1500	13500	8500
Hort. Crop 2	Arecanut	40	3.5	52500	44500
Total				150000	101000

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	2.00	45	126000	80000	12.50	66.67
Hort. Crop 1	Cococnut	20	2000	30000	24000	33.33	182.35
Hort. Crop 2	Arecanut	40	4.0	180000	162000	14.29	264.04
Total				336000	266000		163.37

Brief: The farmer used to get annual income of Rs. 101000/- from rice , coconut, arecanut,coconut etc. She faced problems like high pest and disease and nutrient disorder. With DFI interventions like organic methods of plant protection etc., she is getting annual income of Rs 266000. In addition, she advisories through KVK.



Paddy field



Arecanut



Name of farmer: Sakir Hussain
Address: Nelpadam House, Nenmeni P.O,
Palakkad
Kerala: Age: 52
Education: SSLC
Size of land holding (in acre): 12

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	0.90	18	37800	16800
Hort. Crop 2	Banana	200	18	50400	44800
Total				88200	61600

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	0.90	23	64400	37400	27.78	122.61
Field crop 2	Pulses	0.90	2.5	40500	19400	>100	>100
Hort. Crop 2	Banana	250	25	112500	82500	38.89	84.15
Total				217400	139300		126.14

Brief: The farmer used to get annual income of Rs. 61600 from paddy, and banana He faced problems like wild boar, pest and disease, nutrient disorder, etc. With DFI interventions like new varieties, pulse cultivation, seed production etc he is getting annual income of Rs 235631. The farmer receives trainings and guidance from KVK. Demonstrations were taken up in his field. He is getting annual income of Rs 139300.



Paddy field



KVK intervention



Name of farmer: Chandrasekharan M.K.
Address: Madathil Kunnath, Mudavannoor
Kerala:
Age: 68
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.)
Field Crop 1	Rice	2	40	84000	36000
Hort. Crop 1	Coconut	100	8000	72000	47000
Hort. Crop 2	Arecanut	50	4.5	67500	57500
Hort. Crop 3	Banana	50	4.5	12600	2600
Total				236100	143100

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	50	140000	80000	25.00	122.22
Field Crop 2	Pulses (Summer fallow)	2	2.5	40000	30000	>100	>100
Hort. Crop 1	Coconut	100	10000	150000	90000	25.00	91.49
Hort. Crop 2	Arecanut	50	5.0	225000	210000	11.11	265.21
Hort. Crop 3	Banana	50	5.0	22500	16500	11.11	534.61
Livestock 1							
Total				577500	426500		198.04

Brief: The farmer used to get annual income of Rs. 143100 from rice, coconut, Arecanut and Banana. He faced problems like high pest and disease infestation, yield reduction. With DFI interventions like scientific cultivation of crops, new varieties etc., he is getting annual income of R 426500. In addition, he is getting advisories and capacity building programmes.



Paddy field



Name of farmer: Kaja Hussain
Address: Naduppadi Para, Muthalamada
Kerala:
Age: 24
Education: B.com
Size of land holding (in acre): 8

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	8	144	302400	126400
Total				302400	126400

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	8	184	515200	275200	27.78	117.72
Total				515200	275200		117.72

Brief: The farmer used to get annual income of Rs. 126400/- from Rice. He faced problems like pest and disease infestation in Paddy. With DFI interventions like organic methods of plant protection, application of green manuring, etc., he is getting annual income of Rs 275200 .



Paddy Field



Name of farmer: C. Unniviayan

Address: Puthamkalam, Vadavannoor

Kerala:

Age: 65

Education: SSLC

Size of land holding (in acre): 5 acre (own), 2 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	Rice	5	100	210000	80000
Total				210000	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	Rice	7	140	392000	175000	40.00	118.75
Total				392000	175000		118.75

Brief: The farmer used to get annual income of Rs. 80000/- from rice. He faced problems like high pest and disease infestation, deficiency disorders in paddy. With DFI interventions like timely management of pest and disease with organic methods etc., he is getting annual income of Rs 175000. He also attended many trainings conducted by KVK Palakkad.



Paddy field



Paddy field



Name of farmer: Musthafa C. P.
Address: Chavu padikka, Kottoppadam
Kerala:
Age: 60
Education: SSLC
Size of land holding (in acre): 2.25

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	1.4	24	50400	19600
Hort. Crop 1	Coconut	85	5900nos.	53100	31850
Hort. Crop 2	Arecanut	300	21	315000	255000
Total				418500	306450

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	1.4	28	78400	36400	16.67	85.71
Hort. Crop 1	Coconut	85	6800nos	102000	68000	15.25	113.50
Hort. Crop 2	Arecanut	300	23	760000	670000	9.52	162.74
Hort. Crop 3	Banana	0.25	16.5	57750	30750	>100	>100
Total				998150	805150		162.73

Brief: The farmer used to get annual income of Rs. 306450/- from Rice, coconut, arecanut, etc. He faced problems like high pest and disease infestation in Rice and coconut. With DFI interventions like precautionary measures of plant protection, recommended manuring etc., he is getting annual income of Rs . 805150.



Banana field



Coconut farm



Name of farmer: A. J. Kaladharan
Address: Paliyamangalam Kalam, Ayiloor
Kerala:
Age: 69
Education: SSLC
Size of land holding (in acre): 5.9

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	40	84000	40000
Hort. Crop 1	Vegetables	2	48	144000	64000
Hort. Crop 2	Black pepper	1.5	20kg	9000	5000
Hort. Crop 3	Tuber crops	0.4	64	89600	74600
Total				326600	183600

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	44	123200	63200	10.00	58.00
Hort. Crop 1	Vegetables	2	60	300000	180000	25.00	181.25
Hort. Crop 2	Black pepper	1.5	40kg	22000	16000	100.00	220.00
Hort. Crop 3	Tuber crops	0.4	83	166000	146000	29.69	95.71
Total				611200	405200		120.70

Brief: The farmer used to get annual income of Rs. 183600/- from Rice, vegetables, pepper and tuber crops. He faced problems like pest and disease infestation, low yield etc in this crops. With DFI interventions like organic methods of plant protection, application of green manuring, etc., he is getting annual income of Rs 405200.



Paddy harvesting



Paddy



Name of farmer: Dinachandran
Address: Chottathodi, Palliyalil
Kerala:
Age: 63
Education: SSLC
Size of land holding (in acre): 1

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	0.8	17	35700	18000
Total				35700	18000

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	0.8	20	56000	32000	17.65	77.78
Other enterprise (Specify)	Honey bee	-	0.08	4000	4000	>100	>100
Total				60000	36000		100.00

Brief: The farmer used to get annual income of Rs. 18000/- from paddy etc. He faced problems like high pest and disease infestation and poor growth in paddy. With DFI interventions like proper fertilizer application during growth stages and organic methods of plant protection, starting new enterprises etc., he is getting annual income of Rs 36000 .



Paddy field



Paddy field



Name of farmer: Raveendran K.
Address: Poovaranjil Kalam, Vadavannoor
Kerala:
Age: 61
Education: SSLC
Size of land holding (in acre): 6

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	90	189000	57000
Hort. Crop 1	Coconut	150	13,500	121500	84000
Total				310500	141000

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	6	120	336000	156000	33.33	172.47
Hort. Crop 1	Coconut	150	18000	270000	180000	33.33	114.29
Total				606000	336000		138.30

Brief: The farmer used to get annual income of Rs. 141000/- from Paddy and coconut. He faced problems like pest and disease infestation in Paddy and coconut. With DFI interventions like organic methods of plant protection, timely management practices etc., he is getting annual income of Rs 336000/-.



Coconut Field



Paddy nursery



Name of farmer: P.N. Peethambaran
Address: Parakkal veed, Kannanthra P.O., Palakkad
Kerala:
Age: 60
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.)
Field Crop 1	Rice	1	20	42000	20000
Total				42000	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	Rice	1	30	84000	54000	50.00	170.00
Livestock 1	Hen	20	17	14400	9000	>100	>100
Total				98400	63000		215.00

Brief: The farmer used to get annual income of Rs. 20000/- from Paddy. He faced problems like pest and disease infestation, low yield etc in paddy. With DFI interventions like organic methods of plant protection, application of green manuring, etc., also started poultry in homestead, he is getting annual income of Rs 63000 .



Kitchen garden



Paddy



Name of farmer: Suresh B.

Address: 7/643, Vinayaka Nagar, Tharekkad, Palakkad.

Kerala:

Age: 55

Education: Degree

Size of land holding (in acre): 14

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	10 (700 nos.)	98000	882000	656000
Total			98000	882000	656000

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	14	117600	1764000	1323000	20.00	101.02
Total				1764000	1323000		101.68

Brief: The farmer used to get annual income of Rs. 656000/- from Coconut. He faced problems like pest and disease infestation and low yield in Coconut. With DFI interventions like organic methods of plant protection, application of green manuring, etc., he is getting annual income of Rs. 1323000/-.



Coconut Field



Coconut field



Name of farmer: Abdul Majeed
Address: Pallicherikuzhiyil, Othalur
Pattithara. P.O Palakkad
Age: 65
Education : Degree
Size of land holding (in acre): 2.23

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	1.43	25.74	54054	19734
Field Crop 2	Cow pea	1.43	1	6000	5000
Hort. Crop 1	Coconut	60 no.s	3000 no.s	30000	12000
Hort. Crop 2	Arecanut	400 no.s	6 Q	90000	50000
Hort. Crop 3	Banana	50 no.s	5 Q	7500	4000
Hort. Crop 4	Pepper	50 no.s	1 Q	40000	32000
Total				227554	122734

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	1.43	35.75	100100	60060	38.89	204.34
Field Crop 2	Cow pea	0.25	0.70	10500	8500	-30.00	70.00
Field Crop 3	Black gram	0.50	1.24	18600	15140	>100	>100
Field Crop 4	Green gram	0.50	1.20	18000	14540	>100	>100
Hort. Crop 1	Coconut	60 no.s	4000 no.s	60000	33000	33.33	175.00
Hort. Crop 2	Arecanut	400 no.s	6 Q	255000	155000	0	210.00
Hort. Crop 3	Banana	50 no.s	8 Q	16000	12750	60.00	218.75
Hort. Crop 4	Pepper	30 no.s	0.60 Q	24000	15000	-40.00	-53.00
Total				502200	313990		155.82

Brief: The farmer used to get annual income of Rs. 122734/- from paddy, coconut, arecanut, cowpea, banana and pepper. He faced problems like low productivity, pest and diseases and low awareness on scientific cultivation practices. With DFI interventions like training and awareness programmes, FFS, new varieties, improvement in planting methods, participatory seed production of pulses etc his income increased to Rs.313990/-. He could also reduce the cost of production in paddy by efficient utilization of labour.



Paddy field



Paddy field at harvest



Name of farmer: Mohamed Musthafa.P.K.

Pulakkalkalathil (H), Ongallur.P.O

Palakkad

Kerala:

Age: 55

Education: SSLC

Size of land holding (in acre): 1 acre own land + 10 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	14	329	690900	274900
Total				690900	274900

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	22	561	1570800	740800	70.52	169.47
Field Crop 2	Cow pea	1.5	1 Q	6000	4000	>100	>100
Total				1576800	744800		170.93

Brief: The farmer used to get annual income of Rs. 274900 from paddy. He faced problems like yield reduction, pest and disease, etc. With DFI interventions like IPDM, nutrient management and pulse cultivation he is getting an annual income of Rs 744800/-. The farmer receives trainings and guidance from KVK. Demonstrations were also conducted in his field.



Paddy field



KVK intervention



Name of farmer: Suresh

**Address: Kanakalathalayam, Onurpallam,
Muthalamada, Palakkad**

Kerala: Age:58

Education: Degree

Size of land holding (in acre): 10.5 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	17000 no.s	153000	75600
Hort crop 2	Mango	6 acre	Given on lease		300000
Total					375600

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	18500 no.s	259000	155800	8.82	106.08
Hort crop 2	Mango	8 acre	Given on lease		700000		133.33
Total					855800		127.85

Brief: The farmer used to get annual income of Rs.375600/- from coconut and mango. He faced problems like pest and diseases etc. With DFI interventions like drought management, plant protection methods, etc., he is getting annual income of Rs.855800/-.



Mango field



Coconut field



Name of farmer: Unnikrishnan.P.
Address: Krishnendu, Punchapadamkalam, P.O.
Elappully , Palakkad
Kerala: Age: 45
Education: Preedegree
Size of land holding (in acre): 6 acre + 6 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	12	306	642600	294600
Hort. Crop 1	coconut	400 no.s	Not bearing		
Hort. Crop 1	Mango	100 no.s	Not bearing		
Total				642600	294600

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	12	330	924000	540000	7.84	83.29
Hort. Crop 1	Coconut	400 (100 bearing)	5000	75000	15000	>100	>100
Hort. Crop 1	Mango	100	40	120000	100000	>100	>100
Total		15.5		1119000	655000		122.33

Brief: The farmer used to get annual income of Rs. 294600/- from paddy, coconut, mango, etc. He faced problems like low yield, pest and diseases etc. With DFI interventions like soil test based INM, IPDM etc., he is getting annual income of Rs.655000/-



Paddy field after DFI intervention



Name of farmer: Latha.K.T
Address: Karimanakurissi, Kalanthodi.P.O.,
Vellinezhi, Palakkad Dt.
Kerala:
Age: 38
Education: Degree
Size of land holding (in acre): 0.25

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	Vegetable Coccinia	0.25	12	30000	20000
Total				30000	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	Vegetable Coccinia	0.25	15	45000	30000	25.00	50.00
Other	Mushroom	4000	20	600000	420000	>100	>100
Total				645000	450000		2150.00

Brief: The farmer used to get annual income of Rs. 20000/- from vegetable especially coccinia cultivation. She wanted to expand her activities into other areas as the land availability was less. She got interested in mushroom cultivation and attended training at KVK. With DFI interventions such as trainings in mushroom cultivation she is earning an annual income of Rs. 450000/-.



Mushroom production unit



Name of farmer: Hydrose
Address: Poolakkal house, Edathara.P.O
Palakkad Dt
Kerala:
Age: 62
Education: Degree
Size of land holding (in acre): 5.5

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	7	108.5	227850	59850
Hort. Crop 2	Coconut		8400 No	75600	40600
Total				303450	100450

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	7	143.5 Q	401800	198800	32.26	232.16
Hort. Crop 1	Coconut	2	10500 No	157500	87500	25.00	115.52
Hort. Crop 2	Banana	250	30	60000	35000	>100	>100
Hort. Crop 3	Ginger	0.25	1	6000	3000	>100	>100
Hort. Crop 4	Turmeric	0.25	1.5	9000	5000	>100	>100
Total				634300	329300		227.82

Brief: The farmer used to get annual income of Rs. 100450/- from Paddy and coconut. He faced problems like low yield, poor knowledge on scientific practices etc. KVK conducted a FFS in his area. The farmer was enlightened on the technical aspects and he maintained the rapport with KVK for field problems. After acquiring the knowledge, he started intercropping also in his coconut garden. With DFI interventions like new varieties, better nutrient management and pest and disease management and intercropping, he is getting annual income of Rs.329300/-.



Paddy field



Banana field



Name of farmer: Satheeshan.P.P

Address: Palathingalpadi, Nellikkattiri.P.O. Palakkad

Age: 49

Education: SSLC

Size of land holding (in acre): 0.40 own + 6 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	2.5	48	100800	16300
Hort. Crop 1	Banana	0.50	35	87500	42500
Hort. Crop 2	Coleus	0.50	20	60000	35000
Total					93800

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	138	386400	127400	187.50	681.59
Hort. Crop 1	Banana	0.5	40	120000	70000	14.29	64.71
Total				506400	197400	110.45	

Brief: The farmer used to get annual income of Rs. 93800/- from paddy and banana. He faced problems like low yield in paddy, wild boar problems etc. He attended several trainings conducted by KVK and contacts KVK for field problems. With DFI interventions like INM, IPDM, and area expansion he is getting annual income of Rs.197400/-.



Paddy fields



Name of farmer: Abdul Hameed
Address: Pookkara valappil, Mezathur PO,
Kerala:
Age: 54
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	Paddy	2	36	75600	31600
Total				75600	31600

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	48	134400	74400	33.33	135.44
Total				134400	74400	33.33	135.44

Brief: The farmer used to get annual income of Rs. 31600/- from paddy. He faced problems like low yield in paddy, pest and disease attack etc. He attended several trainings conducted by KVK and contacts KVK for field problems. With DFI interventions like INM, IPDM, he is getting annual income of Rs.74400/-.



Paddy field



Paddy field



Name of farmer: Ramachandran K.
Address: Kizhuprakkat Mana, Koottanad
Kerala:
Age: 62
Education: Degree
Size of land holding (in acre): 6

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	40	84000	18000
Hort. Crop 1	Areca nut	1000 no	60	900000	700000
Hort. Crop 2	Coconut	140 no	7500	67500	32500
Total				1051500	750500

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	50	140000	50000	25.00	177.78
Hort. Crop 1	Areca nut	1000 no	70	2800000	2500000	16.67	257.14
Hort. Crop 2	Coconut	140 no	9000 no	135000	72000	20.00	121.53
Hort. Crop 3	Banana	30	33.6	134400	119400	>100	>100
Total				3209400	2741400		265.28

Brief: The farmer used to get annual income of Rs. 750500/- from paddy, coconut and areca nut. He faced problems like low yield in paddy, pest and disease attack in coconut and areca nut etc. He attended several trainings conducted by KVK and contacts KVK for field problems. With DFI interventions like INM, IPDM, proper field visit he is getting annual income of Rs.2741400/-.



Paddy field



Name of farmer: V V Narayanan

Address: Vadakkathuvalappil, Kalladathor P O

Kerala:

Age: 64

Education: SSLC

Size of land holding (in acre): 4.5

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	2	34	71400	23400
Hort. Crop 1	Coconut	60nos	5400	48600	21600
Hort. Crop 3	Vegetables	0.75	19	34200	16200
Total				154200	61200

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	42	117600	57600	23.53	146.15
Hort. Crop 1	Coconut	60nos	6600	99000	63000	22.22	191.67
Hort. Crop 2	Arecanut	1.60	0.2	8500	3500	>100	>100
Hort. Crop 2	Vegetables	0.75	21	54600	34600	10.53	113.58
Total				279700	158700		159.31

Brief: The farmer used to get annual income of Rs. 61200/- from paddy, vegetable, coconut, arecanut and vegetables . He has attended training programmes of KVK Palakkad and was a part of FLD programmes. With DFI interventions like wild boar management, nutrient management etc., he is getting annual income of Rs. 158700/-.



Paddy field



Vegetable field





Effect of DFI intervention

Name of KVK: Palakkad.

Name of farmer: Raman Namboodiri

Address: Nambrath Mana, Othalur

Pattithara. P.O Palakkad

Kerala:

Age: 55

Education : Degree

Size of land holding (in acre): 5.85

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	3.40	59.5	124950	39950
Hort. Crop 1	Coconut	2.5	9500 no.s	85500	35700
Hort. Crop 2	Arecanut	360 no.s	5 Q	75000	45000
Total				285450	120650

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	85	178500	83300	42.86	108.51
Field Crop 2	Cow pea	0.5	1.5	18500	14000	>100	>100
Field Crop 3	Black gram	1	2.4	30000	23000	>100	>100
Field Crop 4	Green gram	1	2.2	28000	21000	>100	>100
Hort. Crop 1	Coconut	2.5	10450	156750	73750	10.00	106.58
Hort. Crop 2	Arecanut	360 no	6 Q	240000	150000	20.00	233.33
Hort. Crop 3	Banana	600 no	60 Q	85000	30000	>100	>100
Hort. Crop 4	Pepper	40 no	0.35	14000	9000	>100	>100
Total				750750	404050		234.89

Brief: The farmer used to get annual income of Rs. 120650/- from paddy, coconut and arecanut. Though coming from a traditional farming family, the farmer was on the verge of discarding his farm land due to labour shortage, high labour cost and field problems such as pest and diseases. Low awareness on scientific cultivation practices also resulted in less yield. KVK conducted FFS in his padashekham. With DFI interventions like training and awareness programmes, group dynamics, farm mechanization, new varieties, improvement in planting methods, participatory seed production of pulses etc his income increased to Rs.404050/-. He could also reduce the cost of production in paddy by efficient utilization of labour.



Pulses demonstration



Paddy nursery



Name of farmer : Vasudevan.K.
Panamthodikalam, Kavilpadu.P.O. Palakkad Dt.
Kerala:
Age: 73
Education: 10
Size of land holding (in acre): 19 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	26	49.4	1037400	413400
Hort. Crop 1	Coconut	200 no.s	800 l oil	120000	80000
Total				1157400	493400

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	38	83.6	2340800	1276800	69.23	208.85
Hort. Crop 1	Coconut	200	850 l oil	170000	110000	6.25	37.50
Total				2510800	1386800		181.07

Brief: The farmer used to get annual income of Rs. 493400/- from paddy and coconut. He faced problems like high labour charge, weeds etc. FLD was conducted in his field and he attended trainings by KVK. His confidence was boosted and he started paddy cultivation in more area. With DFI interventions like mechanisation, weed management, IPDM etc., he is getting annual income of Rs.1386800/-.



Paddy nursery



At harvest



Name of farmer: Appunni A

Address: Arunodayam, Padanakulam, Anamari PO, Kollengode

Kerala:

Age: 75

Education: SSLC

Size of land holding (in acre): 9 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Rice	7	250	525000	189000
Hort crop	Coconut	1	9000	81000	36000
Livestock	Cow	2	3000 1	90000	20000
Total				696000	245000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Filed crop	Rice	7	285	798000	378000	14.00	>100
Hort. Crop 1	Coconut	1	10500	157500	97500	16.66	170
Hort crop 2	Vegetable in rice bunds	1	90	162000	92000	>100	>100
Livestock 2	Hen	15 Nos.	3000	18000	9000	>100	>100
Total				1135500	576500		135.30

Brief: The farmer, used to get annual income of Rs. 245000/- from rice and coconut. With DFI interventions, NEP demonstrations and various KVK trainings, he started adopting scientific cultivation of rice, coconut and vegetable production. He is now a member of 'Evergreen Farmer's Club. He is getting annual income of Rs 576500/-.



After DFI



Name of farmer: Sajeevan K
Address: Peruncheri, Mangod, Thathamangalm PO, KOLLENGODE
Kerala:
Age: 63
Education: Pre-Degree
Size of land holding: 10 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Rice	8	400	840000	436000
Hort. Crop	Coconut	1.5	9000 Nos	81000	34500
Total				1005000	470500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop	Rice	8	436	1220800	836800	9.00	91.92
Hort. Crop	Coconut	1.5	11250	168750	58750	25.00	70.28
Hort Crop 2	Vegetables	0.5	60	78000	46000	>100	>100
Total				1467550	941550		100.11

Brief: The farmer used to get annual income of Rs.470500/- from rice and coconut without much knowhow on scientific cultivation. With DFI interventions and trainings, he started adopting integrated nutrient management in rice cultivation with daincha farming in third crop season installing drip irrigation system in coconut gardens for water conservation from 2020 onwards. He is now getting annual income of Rs. 941550/-.



(After DFI System)



Name of farmer:Habeeba
Address: Thekkepedika, Maruthakode, Karoor P.O
Age:44
Education: PLUS TWO
Size of land holding (in acre): 1

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	50 cent	21 Q	44100	20100
Hort. Crop 2	Coconut	50cent	3000	27000	15800
Total				71100	35900

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	50cent	28 Q	78400	48400	33	140
Hort. Crop 1	Coconut	50 cent	4500	67500	45100	50	185
LIVESTOCK	poultry and goat		4000 eggs& 2 goats	40000	15000	100	100
Honey bee	Honey bee		4 liter	5000	2500	100	100
Total				190900	111000		209.19

Brief: The farmer used to get annual income of Rs.35900 /- from paddy, coconut,etc. She faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, livestock and honey bee production plant protection methods, etc., She is getting annual income of Rs.111000/-.



Paddy field



Honeybee case



Name of farmer:Rejilal
Address:Kaavil house
P.O Kinassery
Kannadi,Palakkad,678701
Kerala: Age: 51
Education: DegPlus two
Size of land holding (in acre): 11+29 (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	40	1680	3528000	2415000
Hort. Crop 2	coconut	2	7800	70200	46200
Total				3598200	2461200

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.)	producti on	income
Field Crop 1	paddy	40	2240 Q	6272000	4869000	33.33	101.61
Hort. Crop 1	coconut	2	13000	195000	143000	66.66	209.52
Total				6467000	5012000		103.64

Brief: The farmer used to get annual income of Rs.2461200 from paddy and coconut. He faced problems like yield reduction due to poor nutrient management., pest and diseases With DFI interventions like soil test based nutrient management, IPDM, new planting systems etc., he is getting annual income of Rs.5012000/-.



Paddy field



Paddy field



Name of farmer: C.R. Bhavadas
Address: Chamakkad (H), Vandazhy, Palakkad
Kerala:
Age: 71
Education: Degree
Size of land holding (in acre): 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	Paddy	5.5	165	346500	214500
Hort. Crop 1	Coconut	600 no	35000 no	313200	163200
Hort. Crop 2	Nutmeg	500 no	7	560000	443000
Hort. Crop 3	Arecanut	1000 no	9	135000	65000
Hort. Crop 4	Mango	110 no	28.60	86000	41000
Total				1440700	926700

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	5.5	275	770000	605000	66.67	182.05
Hort. Crop 1	Coconut	600 no	50000 no	750000	390000	42.86	138.97
Hort. Crop 2	Nutmeg	500 no	12	700000	640000	71.42	44.46
Hort. Crop 3	Arecanut	1000 no	10	450000	150000	11.11	130.77
Hort. Crop 4	Mango	110 no	30.5	105000	70000	6.64	70.73
Total				2775000	1855000		100.17

Brief: The farmer used to get annual income of Rs. 926700/- from mango, coconut, vegetables, cow etc. He faced problems like high pest and disease infestation in mango and vegetable. With DFI interventions like organic methods of plant protection etc., he is getting annual income of Rs . 1855000



Rice winnowing



Mango field



Name of farmer: Sethumadhavan.K.
Kannikandathil (H), Chettiyarchella,
Nnniyode. P O, Palakkad - 678534
Kerala:
Age: 66
Education: SSLC
Size of land holding (in acre): 6 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	Paddy	3 acre – 2 crops	111 Q	233100	95100
Field Crop 2					
Hort. Crop 1	Coconut	3 acres (150 bearing)	13500 nuts	121500	59000
Total				354600	154100

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	117 Q	327600	158700	5.41	66.87
Field Crop 2							
Hort. Crop 1	Coconut	3 acres (220 bearing)	19800 nuts	297000	187000	46.66	216.94
Total				624600	345700		124.33

Brief: The farmer used to get annual income of Rs. 154100/- from paddy and coconut. He faced problems like pest and disease and weeds. With DFI interventions like FLD on disease management, trainings etc., he is getting annual income of Rs 345700/-.





Name of farmer: Yusuf.O

Oravil, Kumaranellur.P.O. Palakkad

Kerala:

Age: 48

Education: Diploma in automobile engineering

Size of land holding (in acre): 4.5 acres own + 7 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	3 acre – 2 crops	57 Q	119700	39700
Hort. Crop 1	Arecanut	100 no.s	0.50 Q	7500	5000
Hort. Crop 2	Coconut	250 no.s	10800 nuts	97200	47200
Total				224400	91900

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 acres – 2 crops	380 Q	1064000	385000	566.66	869.77
Hort. Crop 1	Arecanut	100 no.s	0.58 Q	24360	14360	16.00	187.20
Hort. Crop 2	Coconut	250 no.s	12000 nuts	180000	67500	11.11	43.00
Hort. Crop 3	Banana	1.5 acre	50 Q	135000	35000	>100	>100
Total				1403360	501860		446.09

Brief: The farmer, a gulf returnee started farming in his ancestral land using traditional varieties and he used to get annual income of Rs. 91900 from paddy coconut and arecanut. He faced problems like yield reduction, pest and disease, etc. With DFI interventions like high yielding varieties, integrated nutrient management practices, timely pest and disease management, area expansion, introduction of new crops etc. he is getting annual income of Rs. 501860/- The farmer receives trainings and guidance from KVK. He often contacts KVK for solutions of field problems.





Name of farmer: M.Kumaran

Address: Njayankad (H), PO,Olasseri

Palakkad

Kerala:

Age: 42

Education: SSLC

Size of land holding (in acre): 0.50 acre + 9.50 acre lease

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 – 2 crops	380 Q	798000	210500
Total				798000	210500

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	420 Q	1176000	449500	10.52	113.53
Total				1176000	449500		113.53

Brief: The farmer used to get annual income of Rs. 210500 from paddy in his own land as well leased land. He faced problems like improper nutrient management and diseases. With DFI interventions like farmers' field school, he became aware of scientific management practices and helped him to earn an annual income of Rs 449500/-.

Paddy field



FFS

Paddy field





Name of farmer: M.Krishnan

Address: Karakkodi (H), PO,Olasseri Palakkad

Kerala:

Age: 64

Education: Pre Degree, Retd. Police officer

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	2	35 Q	73500	27500
Total				73500	27500

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	43.5 Q	121800	63800	24.28	132.00
Total				121800	63800		132.00

Brief: The farmer used to get annual income of Rs. 27500/- from paddy in his own land as well leased land. He faced problems like improper nutrient management and diseases. With DFI interventions like farmers' field school, he became aware of scientific management practices and helped him to earn an annual income of Rs 63800/-.



Paddy field



Trichocard installation during FFS



Name of farmer:Liyakath
Address: Kandakulangara,Engineers road,
 KumaranelloorP.O
 Age:53
Education: PLUS TWO
Size of land holding (in acre): 7

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	5 Acre	100 Q	210000	90000
Hort. Crop 2	Coconut	2 Acre	6500	58500	43500
Total				268500	133500

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	5Acre	200 Q	560000	410000	100.00	355.55
Hort. Crop 1	Coconut	2 Acre	9000	135000	105000	38.49	141.37
Total				695000	515000		285.76

Brief: The farmer used to get annual income of Rs.133500 /- from paddy , coconut,, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, use of improved varieties, plant protection methods and with two season cultivation for paddy etc., he is getting annual income of Rs.515000/-.





Name of farmer: Abdul Nasar
Address: Pathil, Thrithala P.O.
Kerala:
Age: 46
Education: SSLC
Size of land holding (in acre): 51

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	50	1000q	2100000	1000000
Hort. Crop 1	Banana	600nos	72q	216000	176000
Hort. Crop 2	Tapioca	0.4	160q	224000	209000
Total			1232q	2540000	1385000

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	1200q	3360000	1860000	20.00	86.00
Hort. Crop 1	Banana	600 no	300q	1050000	990000	316.66	462.50
Hort. Crop 2	Tapioca	0.4	180q	360000	335000	12.50	60.28
Total				4770000	3185000		129.96

Brief: The farmer used to get annual income of Rs1385000/- from paddy, banana and tapioca. He faced problems like high pest and disease infestation in paddy and low yield in banana. With DFI interventions like timely application of plant protection, recommended INM practices etc., he is getting annual income of Rs 3185000.



Paddy field



Paddy field



Name of farmer: Sivanandan K.
Address: Erippadam Kalam, Muthalamada
P.O. Kerala:
Age: 60
Education: SSLC
Size of land holding (in acre): 23

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	15	270q	567000	237000
Hort. Crop 1	Coconut	320nos	2560nos	230400	150400
Livestock 1	Fish	1.5 acre	2 Q	35000	27000
Total				832400	414400

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	15	330q	924000	474000	22.22	100
Hort. Crop 1	Coconut	320nos	27200nos	408000	248000	6.25	64.89
Hort. Crop 2	Mango	70nos	49 Q	150000	101000	>100	>100
Livestock 1	Fish	1.5acre	3.5Q	40000	32000	75.00	18.51
Total				1522000	855000		106.32

Brief: The farmer used to get annual income of Rs. 414400/- from paddy, coconut and fish. He faced problems like high pest and disease infestation in paddy and low yield in coconut. With DFI interventions like organic methods of plant protection, INM etc., he is getting annual income of Rs 855000 .



Coconut field



Paddy field

Effect of DFI intervention**Name of KVK: KVK-Palakkad****Name of farmer: Vasantha K G****Address: Athaniparambu,
Kundalasseri PO, Keralasseri, Palakkad
Kerala:****Age : 59****Education: Pre-degree****Size of land holding: 2 acre (0.5 acre leased land)****1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre).	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	1.5	120	300000	108000
Total				300000	108000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Hort. Crop 1	Banana	0.5	50	65000	10000	>100	>100
Hort. Crop 1	Vegetables	1.5	145	435000	206500	20.83	91.20
Total				500000	216500		100.46

Brief: The farmer used to get annual income of Rs.108000/- from vegetables without much knowhow on scientific cultivation. She was following chemical practices for her farming practices earlier. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower, she started adopting organic farming and safe to eat plant protection methods for the past three years. She is now the convenor of BPKP scheme of Vegetable Development Programme under Krishibhavan Keralasseri. She is maintaining a model demonstration plot of vegetables in her farm. She is now getting annual income of Rs. 216500/-.



Scientific Banana and Vegetable Production (After DFI System)



Name of farmer: **Azeez E V**

Address: **Illathukulathil, Malakakathiri PO, Pattithara**

Kerala:

Age: **47**

Education: **7th pass**

Size of land holding (in acre): **22 Acre**

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Rice	10	200 q	420000	218000
Hort crop	Vegetables	1	85 q	200000	80000
Total			285 q	620000	298000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	income
Filed crop	Rice	20	500 q	1350000	450000	150.00	106.42
Hort crop 1	Vegetables	1	110 q	396000	146000	29.41	82.50
Total			610 q	1746000	596000		100.00

Brief: The farmer, used to get annual income of Rs. 298000/- from rice and vegetables. With DFI interventions and various KVK trainings, he started adopting scientific cultivation of rice and vegetable production. He is getting annual income of Rs 596000/-.



(After DFI System)



Name of farmer: C. Ramesh
Address: Nallamadan Challa, Chittoor
Kerala:
Age: 41
Education: B.A.
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	Paddy	2 acre	16q	33600	4000
Hort. Crop 1	Coconut	25 Nos	1500nos	13500	7250
Hort. Crop 2	Turmeric	0.5 acre	1.5q	9000	6000
Total				56100	17250

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	30q	84000	24000	87.50	500.00
Hort. Crop 1	Coconut	25 Nos	1900nos	28500	18500	26.66	155.17
Hort. Crop 2	Turmeric	0.6 acre	2q	16000	10000	33.33	66.66
Total				128500	52500		204.34

Brief: The farmer used to get annual income of Rs. 17250/- from paddy, coconut and turmeric. He faced problems like high yield loss in paddy, pest and disease infestation in coconut. With DFI interventions like IDPM methods, soil test based fertilizer application and INM methods etc., he is getting annual income of Rs 52500 .



Effect of DFI intervention



Name of farmer: E. Appukkuttan
Address: Pannikkood (H), Kannadi P.O.,
678701 Kerala:
Age: 71
Education: SSLC
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.)
Field Crop 1	Paddy	3.5	48	100800	20300
Hort. Crop 1	Coconut	190	15200nos	136800	89300
Total				237600	109600

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	61	170800	65800	27.08	224.13
Hort. Crop 1	Coconut	200	19000nos	285000	195000	25.00	118.36
Total				455800	260800		137.95

Brief: The farmer used to get annual income of Rs. 109600/- from paddy (including organic) and coconut. He faced problems like high yield loss in paddy, pest and disease infestation in coconut, lack of knowledge about organic fertilizers. With DFI interventions like IDPM methods, soil test based fertilizer application and organic manure applications etc., he is getting annual income of Rs 260800/- .



Coconut field



Name of farmer: Muhammed P

Address: Nedungottor PO, Via Neduvattom, Thiruvegappura, Palakkad Kerala:

Education: SSLC

Size of land holding: 2.75 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre).	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	1	50	105000	75000
Hort. Crop 1	Vegetables	0.5	75	97500	57500
Total				202500	132500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Rice	2	110	308000	260000	120.00	246.66
Hort. Crop 1	Vegetables	0.8	96	172800	103400	28.00	79.82
Total				480800	363400		174.26

Brief: The farmer used to get annual income of Rs.132500/- from rice and vegetables without much knowhow on scientific cultivation. He was following chemical practices for his farming practices earlier. With DFI interventions and entrepreneurial development programmes like ASCI Organic Grower, he started adopting organic farming and safe to eat plant protection methods for the past three years. He is now getting annual income of Rs. 363400/-.



Organic Rice Production



Farmer's innovations supported by KVK



Name of farmer: Chami

Address: Palliyalil, Mulayankav P.O., via Kulukkalloor

Age: 74

Kerala:

Education: SSLC

Size of land holding: 1 acre (24 acre – lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre).	Production(Q/Litre/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice	25	400	840000	194000
Hort. Crop 1	Coconut	40 nos.	2800 nos.	28000	16000
Total				865200	210000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area Acre/No	Production Q/Litre/No.	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Rice	25	525	1470000	564000	31.25	190.72
Hort. Crop 1	Coconut	40 nos.	3400 nos.	51000	27000	21.42	68.75
Total				1521000	591000		181.42

Brief: The farmer used to get annual income of Rs.210000/- from rice and coconut with minimum fertilizers and less knowledge about the management practices. With DFI interventions like integrated nutrient management techniques, use of organic preparations and proper management practices during correct plant growth stages, he is now getting an annual income of Rs. 591000/-.



Coconut field



Paddy field



Name of farmer: Swaminathan A.P.
Address: S/O ChembanAkkithath Padi,
Kumaranallur P.O, Kappur, Palakkad District
Kerala: Age: 61 Education: High school
Size of land holding (in acre): 2.15

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 (For lease)	92	193200	92100
Hort. Crop 1	Coconut	5 No.	325No.	2925	1300
Hort. Crop 2	vegetables	0.05	6.2	10000	4000
Hort. Crop 3	Banana	0.05	3.5	9800	5300
Livestock 1	Hen	10 No.	2555 No.	10220	4220
Total				226145	106920

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 (For lease)	110	308000	178000	19.56	93.32
Hort. Crop 1	Coconut	5 No.	430 No.	6450	4200	32.30	223.0
Hort. Crop 2	vegetables	0.03	5.25	14700	7925	-15.32	98.12
Hort. Crop 3	Banana	0.04	4.4	18920	13720	25.71	158.8
Livestock 1	Hen	12 No.	3285 No.	19710	8640	28.57	104.7
Livestock 2	Fish	0.03	300	45000	29000	>100	>100
Total				412780	241485		125.8

Brief: The farmer used to get annual income of Rs. 106920/- from Paddy, coconut, vegetables, etc. He faced problems like water scarcity, low production, etc. With DFI interventions like drought management, introduction of new livestock, use of bio-control agents, plant protection methods, etc., he is getting annual income of Rs241485/-.



Paddy



Coconut – banana - vegetable intercropping



Name of farmer: Balasubramanian
Address: S/O Chamikutty, Chatharath House,
Kulavanmukku, Kuzhalmannam
Kerala:
Age: 69
Education: Bcom HDC
Size of land holding (in acre): 7 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	Paddy	5	90	189000	69000
Hort. Crop 1	Coconut	1.5	6750 nuts	67500	32500
	Vegetables	0.5	45q	100000	40000
Total				370000	141500

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	105	294000	144000	16.66	108.69
Hort. Crop 1	Coconut	1.5	9000 nuts	135000	82500	33.33	153.84
	Vegetables	0.5	55 q	165000	79000	22.22	97.50
Total				594000	305500		115.90

Brief: The farmer used to get annual income of Rs. 141500/- from paddy, coconut and vegetable. He faced problems like high yield loss in paddy, pest and disease infestation in coconut, lack of knowledge about scientific cultivation in vegetable. With DFI interventions like I continuous training programmes from KVK , adoption of scientific nutrient management etc he is getting annual income of Rs 305500/- .



Paddy and vegetables

**Name of farmer: Kumaran****Address: Chanaparakalam, Nenmeni****P.O, Kollangode****Kerala: Age: 62****Education: Preedegree****Size of land holding (in acre): 15.5****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	12.5 (2 seasons)	500	1050000	475000
Hort. Crop 1	coconut	2.5	9000	108000	85000
Hort. Crop 1	Mango	0.5	10	40000	31000
Total				1508000	591000

2) Status in 2020

Component Description			Period 2020-21			% increase over	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	12.5	625	1750000	1075000	25.00	126.31
Hort. Crop 1	coconut	2.5	10500	157500	106500	16.66	25.29
Hort. Crop 1	Mango	0.5	8	40000	31000	-20.00	0
Total		15.5		1911500	1212500		105.16

Brief: The farmer used to get annual income of Rs. 591000/- from paddy, coconut, mango, etc. He faced problems like low yield, pest and diseases etc. KVK conducted several FLDs in his field. With DFI interventions like soil test based INM, IPDM etc., he is getting annual income of Rs1212500/-. Moreover, by adopting soil test based fertiliser application, he could save money by reducing the quantity of nitrogen and phosphorus fertilisers.

