

Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: **Chandran. S**

Address: Parambuvilakom, pirappancode P.O., Vadakkathilnada, Manikkal,
Thiruvananthapuram

Kerala:

Age: 51

Education: 12th class

Size of land holding (in acre): 3.5 Acre



1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	vegetables	1.0Acre	40 q	140000	90000
Field crop 1	Tapioca	1.0 acre	12 q	18000	10000
Total				158000	100000

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
Horti crop 1	Vegetables	1.0 Acre	42q	189000	130000	5	44
Hort. Crop 2	Banana	1.0 Acre	100 q	350000	250000	>100	>100
Field crop 1	Tapioca	1.0 Acre	15 q	30000	20000	25	100
Total				569000	400000		300

Brief: The farmer used to get annual income of Rs. 100000 from growing vegetables and tapioca in 2.0 acres of land. He faced problems like Pest and disease infestation, water scarcity, low yield, less income etc. He bought another 1.5 acres of land and with DFI interventions like FLDs, Trainings, etc he is getting annual income of Rs 400000.



DFI interventions- Open Precision Farming in Banana



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR)

Name of farmer: R. Anil

Address: Ravi Vilasam, Pirappancode P.O., Manikkal, Thiruvananthapuram Kerala:

Age: 47

Education: B.A., L.L.B.

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	Tapioca	1.0 acre	12Q	32000	22000
Total					22000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Banana	1.0 Acre	100 Q	350000	250000	>100	>100
Total					250000		1036.00

Brief: The farmer used to get annual income of Rs. 22000 from growing tapioca in 1.0 acre of land. He faced problems like wild boar attack, low market price, etc. With DFI interventions like FLDs, method demonstrations, advisory services etc he ventured into Banana cultivation and he is getting annual income of Rs 250000.



DFI interventions- Integrated Crop Management in Banana



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR)

Name of farmer: Donbosco L

Address: 249/1, Akhil Nivas, Karippoor P.O., Nedumangad, Thiruvananthapuram Kerala:

Age: 53

Education: SSLC

Size of land holding (in acre): 2.0Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	1.0 Acre	75 q	300000	200000
Field crop 1	Tapioca	1.0 acre	12 q	18000	10000
Total				318000	210000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	1.0 Acre	102 q	459000	350000	36	75
Horti crop 2	Banana	1.0 Acre	100 Q	450000	350000	>100	>100
Total				909000	700000		233

Brief: The farmer used to get annual income of Rs 210000 from growing tapioca and vegetables in 2.0 acres of land. He faced problems like wild boar attack, non availability of seeds of high yielding crop varieties, pest and disease infestation, etc. With DFI interventions like FLDs, method demonstrations, advisory services etc he is getting annual income of Rs 700000.



DFI interventions on Vegetable cultivation



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Suresh A

Address: Nirappil Veedu, Karippoor P.O., Nedumangad, Thiruvananthapuram
Kerala:

Age: 49

Education: BA

Size of land holding (in acre): 2.0 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	2.0 Acre	100 q	400000	200000
Total				400000	200000

2) Status in 2020

Component Description Total		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	1.0 Acre	160 q	800000	400000	60	100
Hort. Crop 2	Banana	1.0 Acre	100 q	450000	300000	>100	>100
Total				1250000	700000		250

Brief: The farmer used to get annual income of Rs 200000 from growing vegetables in 2.0 acres of land. He faced problems like wild boar attack, low market price, non availability of high yielding crop varieties etc. With DFI interventions like FLDs, method demonstrations, advisory services etc he is getting annual income of Rs 700000.



DFI Interventions on Vegetable Cultivation



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Biju P

Address: Perumal veedu, Anacode, Veeranakavu P.O., Thiruvananthapuram

Kerala:

Age: 43

Education: 12th class

Size of land holding (in acre): 1.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.5 Acre	75q	75000	25000
Hort. Crop 1	Banana	0.5 Acre	40 q	160000	90000
Hort. Crop 2	Bitter gourd	0.5 Acre	15q	60000	35000
Total				2950000	150000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.5 Acre	90q	90000	40000	20%	60%
Hort. Crop 1	Banana	0.5 Acre	50q	225000	180000	25%	100 %
Horti crop 3	Yard Long Bean	0.50 Acre	80 q	400000	300000	>100	>100
Total				751000	520000		246.67

Brief: The farmer used to get annual income of Rs. 150000 from growing vegetables, Banana and tapioca in 1.5 acres of land. He faced problems like Pest and disease infestation, water scarcity, low yield, less income etc. With DFI interventions like FLDs, Trainings, FFS etc he is getting annual income of Rs. 520000



DFI interventions in Banana and vegetable cultivation



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Ramesh kumar

Address: Puthen Veedu, Chayam, Vithura P.O., Thiruvananthapuram

Kerala:

Age: 54

Education: SSLC

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.)
Hort. Crop 1	Vegetables	0.5 Acre	20 q	80000	55000
Field crop 1	Tapioca	1.0 Acre	12 q	15000	10000
Field crop 2	Rice	1.0 Acre	1.2 q	18000	10000
Total				113000	75000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.5 Acre	23 q	103500	68500	15	24.545
Hort. Crop 2	Banana	1.0 Acre	100 q	300000	200000	>100	>100
Field crop 1	Tapioca	1.0 acre	15q	30000	20000	25	100
Total				433500	288500		284.67

Brief: The farmer used to get an annual income of Rs. 75000 from growing vegetables, tapioca and Paddy. He faced problems like Pest and disease infestation, low yield, less income etc. With DFI interventions like FLDs, trainings, advisory services etc. he is getting an annual income of Rs 288500.



DFI interventions in vegetable and Banana cultivation



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Ratheesh P

Address Karikkakathu Veedu, Muthippara P.O., Pullampara, Thiruvananthapuram
Kerala:

Age: 40

Education: SSLC

Size of land holding (in acre): 2.0 Acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Okra	2.0 Acre	150 q	600000	300000
Total				600000	300000

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 Inco	production	income
Hort. Crop 1	Yard Long Bean	1.0 Acre	90 q	585000	300000	>100	>100
Hort. crop 2	Banana	1.0 Acre	100 q	450000	300000	>100	>100
Total				1035000	600000		100

Brief: The farmer used to get annual income of Rs 300000 from growing vegetables in 2.0 acres of land. He faced problems like wild boar attack, low market price, non availability of high yielding crop varieties etc. With DFI interventions like FLDs, method demonstrations, advisory services etc he is getting annual income of Rs 600000



DFI interventions in vegetable and Banana cultivation

Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram



Name of farmer: Issac S

Address: M M Bhavan, Kannampally, Uriyakode P.O., Thiruvananthapuram
Kerala:

Age: 48

Education: 9th class

Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Vegetables	1.0 Acre	75 q	325000	210000
Field crop 1	Tapioca	1.0 Acre	12 q	18000	10000
Total				343000	220000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Vegetables	1.5 Acre	150 q	675000	500000	100	138.09
Hort. crop 2	Banana	0.50 Acre	50 q	225000	175000	>100	>100
Total				900000	675000		206.82

Brief: The farmer used to get an annual income of Rs 220000 from growing tapioca and vegetables in 2.0 acres of land. He faced problems like wild boar attack, non availability of seeds of high yielding crop varieties, pest and disease infestation, etc. With DFI interventions like FLDs, method demonstrations, advisory services, supply of quality seed material etc he is getting annual income of Rs 675000.



DFI interventions in vegetable and Tapioca cultivation



Effect of DFI intervention

Name of KVK: **Mitraniketan KVK (ICAR), Thiruvananthapuram**

Name of farmer: **Rajappan**

Address: **Aswathy Bhavan, Kannampally, Uriyakode P.O., Vellnad, Thiruvananthapuram.**

Kerala:

Age: **63**

Education: **SSLC**

Size of land holding (in acre): **1.5 (Leased)**

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.5	75q	75000	25000
Hort. Crop 1	Banana	0.5	40 q	160000	90000
Hort. Crop 2	Bittergourd	0.5	15 q	60000	35000
Total				295000	150000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.5	90Q	90000	40000	20.00	60.00
Hort. Crop 1	Banana	0.5	50 Q	250000	200000	25.00	122.22
Horti crop 3	Yard long Bean	0.5	90 Q	405000	255000	>100.00	>100.00
Livestock 1	Dairy cow	3	7200 L	360000	150000	>100.00	>100.00
Total				1105000	645000		330.00

Brief: The farmer used to get annual income of Rs. 150000 from Tapioca, Banana, Bitter gourd etc. He faced problems like crop loss due to pest and disease infestation, yield reduction due to secondary and micro nutrient deficiency, etc. With DFI interventions like FAS, supply of bio inputs, introduction of high yielding improved varieties etc., he is getting annual income of Rs. 645000.



Yard Long Bean high yielding var. Arka Mangala from IIHR



Bitter gourd high yielding var. Preethi from KAU



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Hari Prasad

Address: Lalitha Bhavan, Velikottukonam, Balaramapuram P.O,
Thiruvananthapuram

Kerala:

Age: 43

Education: SSLC, ITI

Size of land holding (in acre): 0.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.50	50 q	200000	150000
Other enterprise (Salary)	-	-	-	-	60000
Total				200000	210000

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	Yard Long Bean	0.25	45 q	200000	90000	>100.00	>100.00
Other enterprise (Specify)	Plant Nursery	0.25	200000	600000	400000	>100.00	>100.00
Total				800000	490000		133.33

Brief: The farmer used to get annual income of Rs.210000 from Banana cultivation and salary for working as a farm supervisor. He faced problems like low yield, pest and disease infestation etc. With DFI interventions like vocational training on plant nursery management, FAS etc., he is getting an annual income of Rs 490000. In addition to this he has been able to provide employment for 4 rural women in his plant nursery.



Plant Nursery



Effect of DFI intervention

Name of KVK: Mitrani ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Shahitha S

Address: Shahanan Manzil, Manchayil, Company Mukku, Mitrani ketan P. O,
Thiruvananthapuram

Kerala:

Age: 37

Education: 12 th

Size of land holding (in acre): 0.07

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	Homestead vegetable cultivation	7 cents	25 kg	1250	750
Other enterprise (Specify)	Tailoring	-	-	20000	17000
Total				21250.00	17750.00

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Homestead vegetable cultivation	7 cents	25 kg	1250	750	-	-
Other enterprise (Specify)	Plant Nursery			105000	105000	>100.00	>100.00
Total				106250	105750		495.77

Brief: The farmer used to get annual income of Rs. 17750 from Homestead vegetable cultivation, Tailoring etc. She faced problems like low yield, less income etc. With DFI interventions like training on plant nursery management she is able to work as a skilled labourer in a plant nursery and earns an annual income of Rs 105750.



The farmer earns a handsome putting her expertise as a skilled nursery worker



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR)

Name of farmer: Mariya Das P.D.

Address: Mishihalayam, Kurisadi, Mundela P.O, Vellanad, Thiruvananthapuram Kerala:

Age: 51

Education: 12th class

Size of land holding (in acre): 1.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.5	40	180000	130000
Horti crops 2	Vegetables	0.5	55	220000	135000
Live stock 1	Poultry	15	1800	10800	7000
Total				410800	272000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.5	45	225000	185000	12.5	42.31
Horti crops 2	Vegetables	0.5	70	280000	190000	27.27	40.74
Live stock 1	Poultry	50	6000	30000	20000	233.33	185.71
Livestock 2	Dairy cow	3	7200	535000	150000	>100	>100
Total				1070000	545000		100.37

Brief: The farmer used to get annual income of Rs.272000 from growing Banana, Vegetables,, Poultry etc. He faced problems like pest and disease infestation, non availability of quality seeds etc. With DFI interventions like Farmers field school, diagnostic visits, availability of good quality seeds and planting materials etc., he is getting annual income of Rs 545000.



Crop and varietal diversification for DFI

Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR),
Thiruvananthapuram



Name of farmer: Sujith S.

Address: Sujalayam, Kidangummal, Veliyannoor P.O, Vellnad,
Thiruvananthapuram

Kerala:

Age: 37

Education: 12th

Size of land holding (in acre): 1.0 ha

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.50 Acre	4 q	160000	100000
Other enterprise	Electrician			60000	60000
Total		0.50 Acre	4 q	220000	160000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field crop 1	Paddy	0.5 Acre	4 Q	10000	8000	>100	>100
Hort. Crop 1	Tapioca	0.50 Acre	80 Q	200000	140000	>100	>100
Horti crop 2	Banana	0.50	50 Q	225000	175000	>100	>100
Other enterprise (Specify)	Homestead vegetable cultivation	100 no.	1.25	5000	3000	>100	>100
	Electrician			50000	50000	-	-
Total				490000	376000		135

Brief: The farmer used to get annual income of Rs. 160000 from Vegetable cultivation and Electrical works. He faced problems like low yield, less income etc. With DFI interventions like trainings, micro irrigation, Supply of vegetable seeds and bio inputs, FLD he is getting annual income of Rs 376000



Crop and varietal diversification for DFI



Effect of DFI intervention

Name of KVK: Mitrani ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Anu B.M.
Address: Aneesh Bhavan , Manchayil, Mitrani ketan P. O, Vellanad,
Thiruvananthapuram
Kerala:
Age: 31
Education: BA
Size of land holding (in acre): 0.05cents

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Other enterprise (Specify)	Coir products			18000	18000
Total				18000	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
Other enterprise (Specify)	Plant Nursery worker	50 cents		105000	105000	>100	>100
Total				105000	105000		483.33

Brief: The farmer used to get annual income of Rs. 18000 from working in a coir unit. She faced problems like less income, long working hours etc. With DFI interventions like vocational training on plant nursery management she is getting annual income of Rs 105000



The farmer earns a handsome putting her expertise as a skilled nursery worker



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: R Sukumaran

Address: Krishna Bhavan , Kaniyamvilakom, Kokkottela P. O, Aryanad
Thiruvananthapuram

Kerala:

Age: 58

Education: 10th class

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.)
Hort. Crop 1	Vegetables	0.5 Acre	20 q	80000	55000
Field crop 2	Tapioca	2.0 acre	25 q	37500	17500
Total				117500	72500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	1.0 Acre	100 q	350000	250000	>100	>100
Field crop 1	Tapioca	2.0 acre	30 q	60000	40000	20	128.57
Total				410000	290000		300

Brief: The farmer used to get annual income of Rs. 72500 from Growing vegetables, tapioca and Paddy. She faced problems like Pest and disease infestation, low yield, less income etc. With DFI interventions like FLDs, trainings, planting material supply of improved tapioca variety, he is getting annual income of Rs 290000



Crop and varietal diversification for DFI



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Mishihadas P D

Address: Mishihalayam, Kurishadi, Mundela P.O., Vellanad, Thiruvananthapuram
Kerala:

Age: 54

Education: 9th class

Size of land holding (in acre): 1.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Okra	1.0 Acre	70q	245000	165000
Other Enterprise	Dairy	2 no.	3800 L	126000	78000
Total				371000	243000

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	Yard long bean	0.50 Acre	40 q	160000	120000	>100	>100
Hort. crop 2	Banana	0.50	50	225000	175000	>100	>100
Other Enterprise	Dairy	3 no.	7200 L	360000	200000	89.47	156
Total				745000	495000		103.70

Brief: The farmer used to get an annual income of Rs 243000 from Dairying and growing vegetables in 1.0 acre of land. He faced problems like non availability of seeds of high yielding crop varieties, pest and disease infestation, etc. With DFI interventions like FLDs, method demonstrations, advisory services, supply of quality seed material etc he is getting annual income of Rs 495000.



DFI interventions in vegetable and Banana cultivation



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Dwararaj T

Address: Pulavilakathu Veedu, Kodankara, Chenkal P.O., Thiruvananthapuram- 695132

Kerala:

Age: 50

Education: 12th class

Size of land holding (in acre): 2.0 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Vegetables	0.5	30	125000	95000
Horti crops 2	Banana	0.5	40	180000	130000
Field crop 1	Tapioca	1.0	12	18000	10000
Total				323000	235000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Vegetables	1.0	75	300000	180000	150	89.47
Hort. crop 2	Banana	1.0	100	450000	300000	150	130.769
Total				750000	480000		104.26

Brief: The farmer used to get an annual income of Rs 235000 from growing Tapioca, Banana and vegetables in 2.0 acre of land. He faced problems like Poor soil health and crop vigour, pest and disease infestation, etc. With DFI interventions like OFTs, FLDs, advisory services etc he is getting annual income of Rs 480000



DFI interventions in vegetable and Banana cultivation



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Sashidharan nair

Address: Udiyanoorkonathu, Chayam, Vithura P.O., Thiruvananthapuram.

Kerala:

Age: 65

Education: 8th class

Size of land holding (in acre): 2.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Vegetables	1.0	75	280000	185000
Horti crops 2	Banana	0.5	40	180000	130000
Field crop 1	Tapioca	1.0	12	18000	10000
Total				478000	325000

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 2	Banana	2.5	250	1000000	650000	525	400
Total				1000000	650000		100 %

Brief: The farmer used to get an annual income of Rs 325000 from growing Tapioca, Banana and vegetables in 2.5 acre of land. He faced problems like Micro nutrient deficiency, pest and disease infestation, etc. With DFI interventions like FLDs, advisory services etc he is getting annual income of Rs 650000.



DFI interventions in vegetable and Banana cultivation



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Rajan

Address: kunnumpurathu, Uriyakode P.O., Vellanad, Thiruvananthapuram

Kerala:

Age: 48

Education: 6th Class

Size of land holding (in acre): 2.0 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Vegetables	0.5	30	125000	95000
Horti crops 2	Banana	0.5	40	180000	130000
Field crop 1	Tapioca	1.0	12	18000	10000
Total				323000	235000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Vegetables	1.0	80	350000	220000	166.67	131.578
Hort. crop 2	Banana	1.0	100	450000	300000	150	130.769
Field crop 1	-	-	-	-	-	-	-
Total				800000	520000		121.28

Brief: The farmer used to get an annual income of Rs 235000 from growing Tapioca, Banana and vegetables in 2.0 acre of land. He faced problems like Poor soil health and crop vigour, pest and disease infestation, etc. With DFI interventions like OFTs, FLDs, advisory services etc he is getting annual income of Rs 520000



DFI interventions in vegetable and Banana cultivation



Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Silus R

Address: S.V. Bhavan, Kakamoola P.O., Nemom, Thiruvananthapuram
Kerala:

Age: 65

Education: 9th class

Size of land holding (in acre): 2.0 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Vegetables	0.5	30	125000	95000
Horti crops 2	Banana	0.5	40	180000	130000
Total				305000	225000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Vegetables	1.0	75	320000	200000	150	110.53
Hort. crop 2	Banana	1.0	100	500000	350000	150	169.23
Total				820000	550000		144.44

Brief: The farmer used to get an annual income of Rs 225000 from growing Tapioca, Banana and vegetables in 2.0 acre of land. He faced problems like Poor soil health and crop vigour, pest and disease infestation, etc. With DFI interventions like OFTs, FLDs, advisory services etc he is getting annual income of Rs 550000



DFI interventions in vegetable and Banana cultivation



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Madhusoodhanan Nair

Address: M.S. Sadhanam., Peringamala, Kalliyoor P.O., Nemom, Thiruvananthapuram
Kerala:

Age: 61

Education: Pre degree course

Size of land holding (in acre): 1.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. crop 1	Vegetables	0.5	35	122500	72500
Hort. Crop 2	Banana	0.5	40	140000	70000
Field crop 1	Tapioca	0.5	6	9000	7000
Total				271500	149500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Vegetables	0.5	40	180000	100000	14.285	37.931
Hort. crop 2	Banana	1.0	100	450000	300000	150	328.571
Total				630000	400000		167.56

Brief: The farmer used to get an annual income of Rs 149500 from growing Tapioca, Banana and vegetables in 1.5 acre of land. He faced problems like Poor soil health and crop vigour, secondary and micro nutrient deficiency, pest and disease infestation, etc. With DFI interventions like Trainings, FLDs, advisory services etc he is getting annual income of Rs 400000



DFI interventions Banana cultivation



Name of farmer: S Anil Kumar

Address: Uthradam, Chirayil, Koliyakode P.O., Thiruvananthapuram

Kerala:

Age: 45

Education: SSLC

Size of land holding (in acre): 2.5 Acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Horti crop 1	Vegetable cultivation	2.5	100	250000	200000
Total				250000	200000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Other Enterprises (specify)	Plant Nursery	2.5		600000	400000	>100	>100
Total				600000	400000		100

Brief: The farmer used to get an annual income of Rs 200000 from Homestead farming in 2.5 acre of land. He faced problems like low yield, less profitability etc. With DFI interventions like vocational trainings, planting material supply, advisory services etc., he is getting annual income of Rs 400000



DFI interventions in plant nursery management



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: Prema Kumari S

Address: Sukrishna Bhavan, Mitraniketan P.O, Vellanad, Thiruvananthapuram

Kerala:

Age: 58

Education: High School

Size of land holding (in acre): 10 cent

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.02	1 q	3000	1200
Total				3000	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.02	1.4 q	4200	2500	40	108
Other enterprise (Specify) Spawn Production & Bio control unit	Skilled Worker			79200	79200	>100	>100
Total				83400	81700		6708

Brief: The farmer used to get annual income of Rs. 1200 from banana cultivation. She faced problems like pest & diseases, low income etc. With DFI interventions like ASCI-Mushroom grower training, FAS, she is getting annual income of Rs 81700 In addition, there is cost saving of Rs 79200 as salary for the production of spawn & mushroom.



Spawn production



Bio agents production



Name of farmer: Suresh Kumar S
 Address: Suresh Bhavan, Nalumukku, Vellanad
 P. O Thiruvanthapuram
 Kerala: Age: 43
 Education: V H S E
 Size of land holding (in acre): 0.38

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	Bitter gourd	0.15 acre	4 q	20000	6000
Hort. Crop 2	Cowpea	0.15 acre	6 q	24000	12000
Total				44000	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
Hort. Crop 1	Bitter gourd	0.15	7.5 q	37500	15000	87.5	150
Hort. Crop 2	Cowpea	0.15	12 q	48000	28000	100	133
Hort Crop 3 New component	Cucumber	0.05	6.6 q	9900	4000	>100	>100
Total				95400	47000		161.11

Brief: The farmer used to get annual income of Rs. 18000 from cowpea & bitter gourd etc. He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like OFT on management of wilt in cowpea , FAS, Diagnostic visits, etc., he is getting annual income of Rs 47000



Diagnostic visit



Cowpea OFT Field



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Satheesh Kumar
Address: Sivam, Mundela P. O
Thiruvanthapuram
Kerala:
Age: 53
Education: Higher Secondary
Size of land holding (in acre): 0.56

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.4 acre	3 q	4500	2000
Hort. Crop 1	Banana	0.1 acre	4 q	12000	5000
Hort. Crop 2	Cowpea	0.05 acre	2.5 q	10000	4500
Total				26500	11500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.4 acre	8 q	12000	6000	166	200
Hort. Crop 1	Banana	0.1 acre	8 q	32000	15000	100	200
Hort. Crop 2	Cowpea	0.05 acre	3.5 q	14000	8000	40	77.78
Hort Crop 3	Bitter gourd	0.05 acre	3.5 q	17500	8500	>100	>100
Total				75500	37500		226

Brief: The farmer used to get annual income of Rs. 11500 from tapioca, banana & cowpea. He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like OFT on management of wilt in cowpea , FAS, Diagnostic visits, etc., he is getting annual income of Rs 37500. In addition, there is cost saving of Rs. 8500 from bitter gourd cultivation.



Method Demonstration of application of Tricho capsule



Cowpea OFT Field



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: Arya A

Address: House Number 26, Vishnu Nagar Housing Board, Kottakkakom P. O, Aryanad, Thiruvananthapuram

Kerala: Age: 28

Education: Higher Secondary

Size of land holding (in acre): 10 cent

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.02	1 q	3000	1200
Total				3000	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.02	1.4 q	4200	2500	400	108
Other enterprise (Specify)	Skilled Worker			79200	79200	>100	>100
Spawn Production & Mushroom cultivation unit							
New component							
Total				83400	81700		6708.33

Brief: The farmer used to get annual income of Rs. 1200 from banana cultivation. She faced problems like pest & diseases, low income etc. With DFI interventions like ASCI-Mushroom grower training, FAS, she is getting annual income of Rs 81700 In addition, there is cost saving of Rs 79200 as salary for the production of spawn & mushroom.



Mushroom Bed preparation



Mushroom production unit



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: K R Jayaprakashan Pillai

Address: Sopanam, Thozhuthumkara, Manikal, Thekkada, Thiruvananthapuram 695 615

Kerala:

Age: 64

Education: High School

Size of land holding (in acre): 1.7 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.10	5 q	15000	2500
Total				15000	2500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	1.5 acre	110 q	385000	150000	2100	5900
Hort. Crop 2 New component	Mushroom beds	2000 No	10 q	350000	200000	>100	>100
Other enterprise(Specify) New component	Spawn Production	1 unit	2400 no	108000	70000	>100	>100
Total				843000	420000		16700

Brief: The farmer used to get annual income of Rs.2500 from Banana. He faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on mushroom cultivation ASCI Mushroom Grower, FAS & innovative marketing approaches etc., he is getting annual income of Rs. 420000. In addition, there is a cost saving of Rs. 70000 in the production of mushroom spawn.



Banana cultivation



Mushroom cultivation & Spawn Production





Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: Vijaya Kumari C G

Address: Abhis Bhavan, Jayaprash Lane, Kudappanakunnu,
Thiruvananthapuram 695 043

Kerala:

Age: 61

Education: Degree

Size of land holding (in acre): 0.68 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.25 acre	2 q	3000	1000
Field Crop 2	Coconut	0.1 acre	175 No	3500	1500
Hort. Crop 1	Banana	0.2 acre	10 q	35000	15000
Total				41500	17500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.25 acre	4 q	6000	3000	100	200
Field Crop 2	Coconut	0.1 acre	250 no	5000	3000	42.86	100
Hort. Crop 1	Banana	0.20 acre	12 q	42000	20000	20	33.3
Hort. Crop 2	Honey Bee colonies	6 No	24 liters	7200	4500	>100	>100
Other enterprise (Specify)	Poultry	15 No	2160 No	10800	6000	>100	>100
Total				71000	36500		108.57

Brief: The farmer used to get annual income of Rs. 17500 from Banana, coconut & tapioca. She faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on beekeeping, FAS etc., she is getting annual income of Rs. 36500. In addition, there is a cost saving of Rs. 10500 in the production of eggs & honey.



Banana cultivation



Apiary unit



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: Aseena Beevi N

Address: Darul Firdouse, Khabaradi Nagar, Koithoorkonam P.O

Melthonnakkal, Thiruvananthapuram 695 584

Kerala:

Age: 31

Education: Higher Secondary

Size of land holding (in acre): 1.0 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.25 acre	2 q	3000	1000
Field Crop 2	Tubers	0.1 acre	1.5 q	2250	1000
Field Crop 3	Coconut	0.1 acre	175 No	3500	1500
Hort. Crop 1	Banana	0.3 acre	15 q	45000	25000
Total				53750	28500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.25 acre	4 q	6000	3000	100	200
Field Crop 2	Tubers	0.1 acre	2.0 q	3000	1500	33	50
Field Crop 3	Coconut	0.1 acre	250 no	5000	3000	42	100
Hort. Crop 1	Banana	0.30 acre	20 q	70000	45000	33	80
Other enterprise(Specify) 1 New component	Honey Bee colonies	8 No	32 liters	9600	6000	>100	>100
Other enterprise(Specify) 2 New component	Goatry	6 No	252 liters	8820	3500	>100	>100
Other enterprise(Specify) 2 New component	Dairy	5 Nos	2688 litres	107520	40000	>100	>100
Total				209940	102000		257.89

Brief: The farmer used to get annual income of Rs. 28500 from Banana, coconut & tapioca. She faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on beekeeping, FAS etc., she is getting annual income of Rs. 102000. In addition, there is a cost saving of Rs. 49500 in the production of milk & honey.



Tapioca cultivation



Goatry & Apiary unit





Effect of DFI intervention

Name of KVK: **Mitraniketan KVK (ICAR), Thiruvananthapuram**

Name of farmer: **Jasmin A S**

Address: **Arafa, Azhicode, Chekkakonam P.O, Aruvikkara, Thiruvananthapuram 695 564**

Kerala:

Age: **40**

Education: **M.A, B. Ed, NET**

Size of land holding (in acre): **0.7 acre**

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.15 acre	1.5 q	2250	1000
Field Crop 2	Pepper	0.15 acre	1.5 q	22500	10000
Field Crop 3	Coconut	0.20 acre	300 No	6000	2500
Hort. Crop 1	Banana	0.3 acre	15 q	45000	25000
Total				75750	38500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.15 acre	4 q	6000	3000	166	200
Field Crop 2	Pepper	0.15 acre	2.0 q	30000	15000	33	50
Field Crop 3	Coconut	0.2 acre	400 no	8000	4000	33	60
Hort. Crop 1	Banana	0.30 acre	20 q	70000	45000	33	80
Other enterprise(Specify) 1 New component	Honey Bee colonies	10 No	40 liters	12000	7500	>100	>100
Other enterprise(Specify) 2 New component	Goatry	4 No	180 liters	7200	2500	>100	>100
Other enterprise(Specify) 2 New component	Dairy	4 Nos	1344 litres	53760	30000	>100	>100
Total				186960	107000	177.922	

Brief: The farmer used to get annual income of Rs. 38500 from Banana, Coconut, pepper & tapioca. She faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on beekeeping, FAS etc., she is getting annual income of Rs. 107000. In addition, there is a cost saving of Rs. 40000 in the production of milk & honey.



Banana & Pepper cultivation

Apiary unit



Name of farmer: Vinu D.

Address: Sreedharmam, Kuttichal P.O. 695574,
Thiruvananthapuram

Kerala:

Age: 53

Education: Pre-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.)
Field Crop 1	Tapioca	0.25	2 Q	30000	10000
Hort. Crop 1	Banana	0.10	5 Q	15000	2500
Total				45000	12500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.25	3 q	45000	15000	50	50
Hort. Crop 1	Banana	0.10	6 q	18000	5000	20	100
Hort. Crop 2	Mushroom beds	2000 No	12 q	480000	200000	>100	>100
Other enterprise (Specify)	Vermicompost production	I unit	10 q	10000	10000	>100	>100
Total				553000	230000		1740

Brief: The farmer used to get annual income of Rs. 12500 from Tapioca, Banana, etc. He faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on mushroom cultivation, FAS & innovative marketing approaches etc., he is getting annual income of Rs. 230000. In addition, there is a cost saving of Rs. 210000 in the production of mushroom & vermicompost.





Effect of DFI intervention Name of KVK: Mitrani Ketan KVK (ICAR),

Thiruvananthapuram

Name of farmer: Sunil Kumar S
 Address: Shruthi Vilasam, Mancha P. O,
 Nedumangad
 Kerala:
 Age: 49
 Education: Pre
 degree
 Size of land holding (in acre): 2.7

2) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	1 acre	8 Q	12000	4000
Hort. Crop 1	Banana	1 acre	40 Q	120000	50000
Total				132000	54000

3) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	1 acre	10 Q	15000	6000	25	50
Field Crop 2	Coconut	0.5 acre	1000 NO	10000	2500	>100	>100
Hort. Crop 1	Cowpea	0.1 ace	7 Q	28000	10000	>100	>100
Hort. Crop 2	Banana	1 acre	65Q	195000	100000	62.5	100
Hort Crop 3	Bitter gourd	0.1 acre	4Q	24000	12000	>100	>100
Other enterprise (Specify) Salary				360000	360000	100	>100
Total				632000	490500		808.33

Brief: The farmer used to get annual income of Rs. 54000 from tapioca & banana etc. He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like FLD on management of nematodes in banana, FAS, Diagnostic visits, etc., he is getting annual income of Rs 490500. In addition, there is cost saving of Rs. 360000 from salary for farming services.



Method demonstration Sucker treatment



Field day celebration



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: P Radhakrishnan Nair

Address: Supriya Cottage, Kavumpuram, Nedumangadu P.O

Kerala:

Age: 70

Education: SSLC

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	Tapioca	0.25 Acre	2 Q	30000	10000
Hort. Crop 1	Banana	0.10 Acre	5 Q	15000	2500
Other enterprise (Specify)	Beekeeping	50 No	3 Q	90000	40000
Total				135000	52500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.25 Acre	3 Q	45000	15000	50	50
Hort. Crop 1	Banana	0.10 Acre	6 Q	18000	5000	20	100
Other enterprise (Specify)	Beekeeping	260 No	15.6 Q	468000	250000	420	525
	Colony sales	100 No	-	120000	40000	>100	>100
Total				651000	310000		490.48

Brief: The farmer used to get annual income of Rs.52500 from beekeeping, tapioca & banana. He faced problems like low yield, pest and disease infestation etc. With DFI interventions like vocational training on beekeeping, FAS etc., he is getting an annual income of Rs 310000. In addition, there is cost saving of Rs. 40000 by selling honey bee colonies



Apiary unit



Master Trainer of KVK



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Asha S R
Address: FTC 33/1772, Asha Bhavan, Netaji
Road, Vattiyoorkavu P O, Trivandrum
Kerala:
Age: 33
Education: Degree
Size of land holding (in acre): 10 cent

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Cowpea	0.05	0.75 Q	3000	1200
Total				3000	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Cowpea	0.05	1.5 Q	6000	3500	100	192
Other enterprise (Specify)	Skilled Worker			79200	79200	>100	>100
Spawn Production & Mushroom cultivation unit							
Total				85200	82700		6791.67

Brief: The farmer used to get annual income of Rs. 1200 from vegetable cultivation. She faced problems like pest & diseases, low income etc. With DFI interventions like vocational training, FAS, she is getting annual income of Rs 82700. In addition, there is cost saving of Rs 79200 as salary for the production of spawn & mushroom.



Mushroom production unit



Spawn Production unit



Name of farmer: Biju R
Address: 261, Mangalathu House, Chayam,
Vithura, Thiruvananthapuram

Kerala:

Age: 43

Education: High School

Size of land holding (in acre): 10 cent

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.02	1 q	3000	1200
Total				3000	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.02	1.4 q	4200	2500	40	108
Other enterprise (Specify) New component Mushroom Production Unit	Mushroom	1000 No	5 q	200000	125000	>100	>100
Total				204200	127500		10525

Brief: The farmer used to get annual income of Rs. 1200 from banana cultivation. He faced problems like pest & diseases, low income etc. With DFI interventions like ASCI-Mushroom grower training, FAS, he is getting annual income of Rs 127500. In addition, there is cost saving of Rs 125000 for the production of mushroom.



Hands on Training in ASCi Mushroom Grower



Mushroom Production



Effect of DFI intervention Name of KVK: KVK (ICAR), Mitraniketan
 Name of farmer: S B. Usha Kumari
 Address: Kunnil veedu, Irinjayam P.O, Nedumangad Thiruvananthapuram
 Kerala:
 Age: 58 Education: SSLC
 Size of land holding (in acre): 0.70 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.25 acre	2 q	3000	1000
Field Crop 2	Coconut	0.1 acre	175 No	3500	1500
Hort. Crop 1	Banana	0.2 acre	10 q	35000	15000
Total				41500	17500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.25 acre	4 q	6000	3000	100	200
Field Crop 2	Coconut	0.1 acre	250 no	5000	3000	42	100
Hort. Crop 1	Banana	0.20 acre	12 q	42000	20000	20	33
Other enterprise (Specify) New component	Honey Bee colonies	50 No	250 liters	75000	37500	>100	>100
Other enterprise (Specify) New component	Dammer Bee colonies	30	4 liters	10000	8500	>100	>100
Total				138000	72000		311.43

Brief: The farmer used to get annual income of Rs. 17500 from Banana. coconut & tapioca She faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on beekeeping, FAS etc., she is getting annual income of Rs. 72000. In addition, there is a cost saving of Rs. 46000 from production of honey .



Banana cultivation



Apiary unit



Effect of DFI intervention Name of KVK: MitraniKETan KVK (ICAR),

Thiruvananthapuram

Name of farmer: Jayakumaran Nair M

Address: Mamoottil Veedu, Plakeezhu,
Pirappacodu P O, Manikkal, Thiruvanthapuram
695607

Kerala:

Age: 55

Education: High School

Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Bitter gourd	0.15 acre	4 q	20000	6000
Hort. Crop 2	Banana	1 acre	50 q	150000	65000
Total				170000	71000

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	Bitter gourd	0.15 acre	7.5 q	37500	15000	87.5	150
Hort. Crop 2	Banana	1 acre	75 q	262500	125000	50	92
Hort Crop 3 New	Snakegourd	0.20 acre	26 q	117000	65000	>100	>100
Hort. Crop 4 New	Cowpea	0.40 acre	36 q	216000	140000	>100	>100
Total				633000	345000		385.92

Brief: The farmer used to get annual income of Rs. 71000 from banana & bitter gourd etc. He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like FLD on IPDM in snakegourd, FAS, Diagnostic visits, training for on farm input production etc., he is getting annual income of Rs 345000. In addition, there is cost saving of Rs. 205000 from production of snakegourd & cowpea



On farm production of bio inputs



FLD –field day celebration on IPDM in Snakegourd



Effect of DFI intervention Name of KVK: MitraniKETan KVK (ICAR), Thiruvananthapuram

Name of farmer: Madhusoodanan Nair
 Address: Karthika, Plakeezhu, Pirappacodu
 P O, Manikkal, Thiruvanthapuram 695607
 Kerala:
 Age: 50
 Education: High School
 Size of land holding (in acre): 2.0

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 Crop1	Tapioca	0.4 acre	5 q	7500	3500
Hort. Crop 1	Bitter gourd	0.15 acre	4 q	20000	6000
Hort. Crop 2	Banana	1.5 acre	75 q	225000	125000
Total				252500	134500

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 Crop1	Tapioca	0.4 acre	15 q	22500	12500	200	257
Hort. Crop 1	Bitter gourd	0.15 acre	7.5 q	37500	15000	87.5	150
Hort. Crop 2	Banana	1.5 acre	105 q	367500	225000	40	80
Hort Crop 3 New	Snakegourd	0.20 acre	26 q	117000	65000	>100	>100
Hort. Crop 4 New	Cowpea	0.30 acre	27 q	162000	85000	>100	>100
Total				706500	402500		199.26

Brief: The farmer used to get annual income of Rs. 134500 from banana, tapioca & bitter gourd etc. He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like FLD on IPDM in snakegourd, FAS, Diagnostic visits, training for on farm input production etc., he is getting annual income of Rs 402500. In addition, there is cost saving of Rs. 150000 from production of snakegourd & cowpea.



FLD Training



FLD –on IPDM in Snakegourd

Name of farmer: Manikantan Nair G
Address: Nandanam, CRA 74 C, Vazhottukonam,
Vattiyoorkavu P O, Thiruvanthapuram 695013

Kerala:

Age: 59

Education: Degree

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 Crop1	Tapioca	0.4 acre	5 q	7500	3500
Hort. Crop 1	Banana	2.0 acre	100 q	300000	150000
Total				307500	153500

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 Crop1	Tapioca	0.4 acre	15 q	22500	12500	200	257
Hort. Crop 1	Banana	2.5 acre	180 q	630000	400000	80	166
Hort. Crop 2 New	Cowpea	0.10 acre	9 q	54000	35000	>100	>100
Other enterprise (Specify) 1 New	Honey Bee colonies	10 No	50 liters	15000	5000	>100	>100
Other enterprise (Specify) 1 New	Aquaculture	1 No	500 No	100000	35000	>100	>100
Total				821500	487500		217.59

Brief: The farmer used to get annual income of Rs. 153500 from banana & tapioca . He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like FLD on Introduction of Arka Mangala variety of cowpea, FAS, diagnostic visits, etc., he is getting annual income of Rs 487500. In addition, there is cost saving of Rs. 40000 from production of fish & honey.



Diagnostic visit



Documentation –Kissan Krishi Deepam



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer : D Mohanankumaran Nair

Address: Indira Bhavan, Kavuvilakam, Vellnad

P.O, Thiruvananthapuram 695 543

Kerala:

Age: 68

Education: Graduate

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	Coconut	0.3 acre	1050 No	21000	12000
Field Crop 2	Tapioca	1 acre	48 q	48000	25000
Hort. Crop 1	Banana	0.2 acre	10 q	30000	12000
Total				99000	49000

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	0.3 acre	1250 No	25000	15000	19	25
Field Crop 2	Tapioca	2 acre	128 q	128000	65000	166	160.00
Hort. Crop 1	Banana	0.2	14 q	49000	20000	40	66.87
Total				202000	100000		104.08

Brief: The farmer used to get annual income of Rs. 49000 from banana & Tapioca cultivation. He faced problems like pest & diseases, low income etc. With DFI interventions like FLD on demonstration of Sree pavitra, FAS, he is getting annual income of Rs 100000. In addition, there is cost saving of Rs 51000 for the production tapioca & banana.



Diagnostic visit



Tapioca Field



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: Varghese M
Adress: Parackal, Priyadarshini Nagar, Peroorkada , Thiruvananthapuram 695005 Kerala:
Age: 74
Education: Diploma in Electrical Engineering
Size of land holding (in acre): 0.20

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.)
Hort. Crop 1	Banana	0.02 acre	1 q	3000	1200
Total				3000	1200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.02	1.4 q	4200	2500	400	108
Other enterprise (Specify)	New Mushroom Production Unit	1200 No	6 q	210000	140000	>100	>100
Total				214200	142500		11775

Brief: The farmer used to get annual income of Rs. 1200 from banana cultivation. He faced problems like pest & diseases, low income etc. With DFI interventions like Mushroom cultivation training, supply of spawn, FAS, he is getting annual income of Rs 142500. In addition, there is cost saving of Rs 140000 for the production of mushroom.



Mushroom Production unit



Spawn running room



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR),

Thiruvananthapuram

Name of farmer: K B Anil Kumar Adress: Karthika, Irumpa, Aruvikkara, Thiruvanthapuram, 695564

Kerala:

Age: 60

Education: 10th Pas

Size of land holding (in acre): 0.68acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.15 acre	1.5 q	2250	1000
Field Crop 2	Coconut	0.30 acre	450 No	9000	4500
Hort. Crop 1	Banana	0.3 acre	15 q	45000	25000
Total				56250	30500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.15 acre	4 q	6000	3000	166.67	200
Field Crop 2	Coconut	0.3 acre	600 no	12000	8000	33	77
Hort. Crop 1	Banana	0.30 acre	20 q	70000	45000	33	80
Other enterprise (Specify) 1	Honey Bee colonies	10 No	40 liters	12000	7500	>100	>100
Other enterprise (Specify) 2	Dammer Bee colonies	20	2 liters	6000	4500	>100	>100
Other enterprise (Specify) 2	Dairy	6 Nos	9600 litres	432000	200000	>100	>100
Total				538000	268000		778.69

Brief: The farmer used to get annual income of Rs. 30500 from Banana, Coconut, & tapioca. He faced problems like marketing, pests & diseases etc. With DFI interventions like Vocational training on beekeeping, FAS etc., he is getting annual income of Rs. 268000. In addition, there is a cost saving of Rs. 212000 in the production of milk & honey.



Training of processing of honey at KVK



Apary unit



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR), Thiruvananthapuram

Name of farmer: P Prathapachandran
Address:, Mangalathukonathu Veedu, Konganam, Puthukulangara P. O, Nedumangad, Thiruvananthapuram 695541
Kerala:
Age:62
Education: 10th Pas

1) Before Intervention **Size of land holding (in acre): 0.22 acre**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	0.1 acre	5 q	17500	8000
Total				17500	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	Banana	0.1 acre	8 q	28000	12000	60	50
Other enterprise (Specify) 1	Honey Bee colonies	10 No	40 liters	12000	7500	>100	>100
Other enterprise (Specify) 2	Dammer Bee colonies	100	12 liters	30000	25000	>100	>100
Other enterprise (Specify) 2	Plant Nursery	0.1 acre	25000 no	120000	50000	>100	>100
Total				190000	94500		1081.25

Brief: The farmer used to get annual income of Rs. 8000 from Banana. He faced problems like low income from farm, pests & diseases etc. With DFI interventions like Vocational training on beekeeping, FAS etc., he is getting annual income of Rs. 94500. In addition, there is a cost saving of Rs. 82500 in the production of plant nursery & honey .



Plant nursery



Apiary unit



Name of farmer: Anil kumar N
 Address: Pillai Veedu, Eravoor, Aryanad P.O,
 Thiruvananthapuram
 Kerala:
 Age: 48
 Education: 10th
 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 Crop1	Tapioca	0.5 acre	60 q	90000	50000
Hort. Crop 1	Banana	0.5 acre	30 q	90000	42000
Total				180000	92000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop1	Tapioca	0.5acre	80 q	120000	90000	33	80.00
Hort. Crop 1	Banana	0.5 acre	40 q	140000	90000	33	114.28
Hort Crop 2	Cucumber	0.05	6.6 q	9900	4000	>100	>100
Total				269000	184000		100

Brief: The farmer used to get annual income of Rs. 92000 from banana & tapioca . He faced problems like pest & diseases, micro nutrient deficiencies, etc. With DFI interventions like FLD on management of nematode in banana, FAS, diagnostic visits, etc., he is getting annual income of Rs 184000. In addition, there is cost saving of Rs. 91000 from production of tapioca banana and cucumber.



Cucumber Harvest



Banana Field



Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram

Name of farmer: P. Sadasivan Nair

Address: Padmasara, Konchira P.O., Vembayam, PIN – 695615, Thiruvananthapuram
Kerala:

Age: 66

Education: SSLC

Size of land holding (in acre): 2.62 (Own land – 0.33, Lease land – 2.61)

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	2.62	38.74 q	129133.33	10297.62
			42.11 q	18714.28	18714.28
Total		2.62	80.85 q	147847.61	29011.90

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	2.62	42.94 q	143164.29	31346.43	10.84	204.40
		2.62	46.78 q	28071.43	28071.43	11.09	50.00
Total		2.62	89.72 q	171235.7	59417.86	10.97	104.81

Brief: The farmer used to get annual income of Rs.29011.90 from Paddy. He faced problems like labour shortage & high labour cost. With DFI interventions like Transplanter he is getting annual income of Rs.59417.86. In addition, there is cost saving of Rs.7017.85 in the production of 89.72 q/ 2.62 acres.



Paddy drum seeder attachment to YANJI – SHAKTHI Transplanter



Mechanized paddy transplanting



Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR Thiruvananthapuram)

Name of farmer: G.K. Byju

Address: Anjanryam, Konchira P.O., PIN – 695615, Vembayam

Kerala:

Age: 52

Education: Degree

Size of land holding (in acre): 0.93 (Own land – 0.44, Lease land – 0.49)

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	0.84	12.42 q	41401.53	3301.53
			13.50 q	6000	6000
Hort.Crop 1	Banana Nendran	0.04	4 q	17200	8080
	Lady Finger	0.047	3.6 q	19800	12900
	Banana				
Total		0.93	33.52 q	84401.53	30281.53

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	0.84	13.76 q	45890	10040	10.79	204.10
			15.00 q	9000	9000	>100	>100
Hort.Crop 1	Banana Nendran	0.04	4.20 q	23100	18700	>100	>100
Hort.Crop 2	Lady Finger Banana	0.047	3.75 q	26250	22950	4.17	77.91
Total		0.93	36.71 q	104240	60690	-	100.42

Brief: The farmer used to get annual income of Rs.30281.53 from Paddy & Banana. He faced problems like labour shortage & high labour cost. With DFI interventions like Farm machineries he is getting annual income of Rs.60690. In addition, there is cost saving of Rs.10570 in the production of 36.71q/ 0.93 acres.



Rotary weeder operation in paddy cultivation



Mechanized Paddy



Effect of DFI intervention

**Name of KVK: Mitraniketam KVK(ICAR),
Thiruvananthapuram**

Name of farmer: Cicol Chandran J.C.

Address: Vandazhamvila, Plamoottukkada P O, PIN - 695606

Kerala:

Age: 57

Education: P.G.

Size of land holding (in acre): 18 (3– own land & Lease land – 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	5	125 q	300000	-15000
Hort. Crop 1	Vegetable	4.5	65 q	272000	72000
Hort. Crop 2	Hi-tech	1	650 q	2600000	320000
Hort. Crop 3	Papaya	1	180 q	540000	40000
Other enterprise (Specify)	Honeybee	100 Colonies	4 q	80000	5000
	Dairy	10 Nos.	36000 Ltr	1440000	-105000
	Poultry	2000 Nos.	40000 Nos.	280000	-5000
Total	7	11.5	1024 q	5512000	312000

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
FieldCrop 1	Paddy	5	138 q	372600	62600	10.40	-517.33
Hort. Crop 1	Vegetable	4.5	70 q	350000	150000	>100.00	>100.00
Hort. Crop 2	Hi-tech	1	680 q	2856000	828000	>100.00	>100.00
Hort. Crop 3	Papaya	1	180 q	360000	44500	0	11.25
Other enterprise (Specify)	Honey bee	200 Colonies	8 q	160000	10000	> 100.00	>100.00
	Dairy	10 Nos.	36250 Litre	1522500	-17500	>100.00	>100.00
	Poultry	1500 Nos.	30200 Nos.	241600	-50400	>100.00	>100.00
	Goatry	80 Nos.	800 Ltr.	40000	5000	0	0
Total	8	11.5	1076 q	5902700	1032200	-	230.83

Brief: The farmer used to get annual income of Rs. 312000 from Paddy ,vegetables & enterprises. He faced problems like labour shortage & high labour cost. With DFI interventions like Farm machineries ,Hi-tech farming, Micro irrigation systems he is getting annual income of Rs. 1032200.



Poly house farming of Capsicum



Precision Farming Method for Vegetable Cultivation



**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Easwari V

**Address: Sreevasantham, TC 47/3004, Palace View Road, Poojappura,
PIN - 695012**

Kerala:

Age: 43

Education: PG, Civil Diploma & Journalism

Size of land holding (in acre): 0.21

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.)
Livestock 1	Dairy	20 Nos.	73200 Ltr.	3294000	436500
Total		20 Nos.	73200 Ltr.	3294000	436500

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
Livestock 1	Dairy	20 Nos.	78750 Ltr.	3937500	1515000	7.58	247.08
Total		20 Nos.	78750 Ltr.	3937500	1515000	-	247.08

Brief: The farmer used to get annual income of Rs.436500 from Dairy. She faced problems like fodder shortage & high feed cost. With DFI interventions like Hydroponics Green Fodder Production she is getting annual income of Rs.1515000. In addition, there is cost saving of Rs.435000 in the production of 78750 Ltr./ 20 Nos.



Hydroponics Green Fodder Production



Dairy Farm

**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR)
Thiruvananthapuram**

Name of farmer: M.Soman Pilla

Address: Karthika Bhavan, Konchira P.O., PIN – 695615, Vembayam Kerala:

Age: 51

Education: SSLC

Size of land holding (in acre): 0.65 (Own land – 0.35, Lease land – 0.49)



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	0.65	12.42 q	46042.86	3300
			10.45 q	4642.86	4642.86
Total		0.65	22.87	50685.72	7942.86

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	0.65	13.76 q	45890	10040	10.79	204.24
			11.60 q	6964	6964	>100	>100
Total		0.65	25.36	52854	17004	-	114.08

Brief: The farmer used to get annual income of Rs.7942.86 from Paddy. He faced problems like labour shortage & high labour cost. With DFI interventions like Transplanter he is getting annual income of Rs.17004. In addition, there is cost saving of Rs.7017.85 in the production of 25.36 q/ 0.65 acres.



Sprayer operation in paddy cultivation



Mechanized Paddy Transplanting



**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: M. Mohammad Kunju

**Address: M.K.Manzil, Mudapuram P.O., Kizhuvillam, Kattumurackal,
Chirayinkeezhu, PIN - 695012**

Kerala:

Age: 65

Education: SSLC

Size of land holding (in acre): 3

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Livestock 1	Dairy	10 Nos.	30000 Ltr.	840000	177600
Total		10 Nos.	30000 Ltr.	840000	177600

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
Livestock 1	Dairy	10 Nos.	30800 Ltr.	1201200	541700	2.67	205.01
Total		10 Nos.	30800 Ltr.	1201200	541700	-	205.01

Brief: The farmer used to get annual income of Rs.177600 from Dairy. He faced problems like fodder shortage & high feed cost. With DFI interventions like Portable Rain Gun Spray Irrigation System he is getting annual income of Rs.1201200. In addition, there is cost saving of Rs.2900 in the production of 30800 Ltr./ 10 Nos.



Dairy Farm



Portable Rain Gun Spray Irrigation System for Fodder Cultivation



Effect of DFI intervention Name of KVK: MitraniKETan KVK (ICAR)
Thiruvananthapuram

Name of farmer: Saraswathy A.M .

**Address: House No.-81, Santhi Gardens, 3rd Street, TC 43/511(9),
Kamaleswaram, Manacaud P.O., Trivandrum , PIN- 695009.**

Kerala:

Age: 50

Education: B.Sc Mathematics

Size of land holding (in acre): 0.025

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	Cucumber	0.025	9.60 q	38400	15234
Hort.Crop 2	Cowpea		13.60 q	61840	15506
Total		0.025	23.20 q	100240	30740

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	Cucumber	0.025	12.80 q	64000	37244	33.33	144.48
Hort.Crop 2	Cowpea		12.00 q	57600	30844	>100	>100
Total		0.025	24.800	121600	68088	-	121.50

Brief: The farmer used to get annual income of Rs.30740 from Poly house vegetable cultivation. She faced problems like lack of proper fertigation equipment for fertigation. With DFI interventions like Pump injector she is getting annual income of Rs.68088. In addition, there is cost saving of Rs.15988 in the production of 24.80 q/ 0.025 acres.



Hi-tech farming with Pump injector as fertigation unit



Poly house vegetable cultivation



**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Bhaskaran Nair

**Address: Kavuvila Veedu, Pallippuram P.O., CRPF, PIN – 695316
Thiruvananthapuram**

Kerala:

Age: 69

Education: SSLC

Size of land holding (in acre): 2 (0.30 – Own land, 1.70 – Lease land)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2	44 q	113520	39120
Total		2	44 q	113520	39120

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 Crop1	Paddy	2	48 q	134400	82504	9.09	110.90
Total		2	48 q	134400	82504	-	110.90

Brief: The farmer used to get annual income of Rs.39120 from paddy. He faced problems like labour shortage & high labour cost. With DFI interventions like KUBOTA make walk – behind type transplanter he is getting annual income of Rs82504. In addition, there is cost saving of Rs.22504 in the production of 48 q/ 2 acres.



Paddy Field



Mechanized Paddy Transplanting

**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: P. Radhakrishnan Nair

**Address: Kunnathu Veedu, Thamarakkulam, Pallippuram P.O., PIN – 695316,
Thiruvananthapuram**

Kerala:

Age: 62

Education: SSLC

Size of land holding (in acre): 5 (Lease land)



2) 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	50 q	129000	30000
Total		5	50 q	129000	30000

3) 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 Crop1	Paddy	5	61.25 q	171500	65900	22.50	119.67
Total		5	61.25 q	171500	65900	-	119.67

Brief: The farmer used to get annual income of Rs.30000 from paddy. He faced problems like labour shortage & high labour cost. With DFI interventions like KUBOTA make walk – behind type transplanter he is getting annual income of Rs.65900. In addition, there is cost saving of Rs.14400 in the production of 61.25 q/ 5 acres.



Mechanized Paddy field



Mechanized Paddy Transplanting



**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Aboobakar Kunju Sharafudeen Maulavi
Address: Nilavu, Pachira, Pallippuram P O, PIN – 695316
Thiruvananthapuram

Kerala:

Age: 68

Education: B A

Size of land holding (in acre): 1.75

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	1.75	33.38 q	86120.40	16720.40
Total		1.75	33.38 q	86120.40	16720.40

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 Crop1	Paddy	1.75	34.13 q	95550	35550	2.25	112.61
Total		2	34.13 q	95550	35550	-	112.61

Brief: The farmer used to get annual income of Rs.16720.40 from paddy. He faced problems like labour shortage & high labour cost. With DFI interventions like Tractor, KUBOTA make walk – behind type transplanter and Combine Harvester he is getting annual income of Rs. 35550. In addition, there is cost saving of Rs.9400 in the production of 34.13 q/ 1.75 acres.



Paddy Field



Mechanized Paddy Transplanting

**Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Effect of DFI intervention



Name of farmer: Nazar A.

Address: Bismi House, Kuttara, Vamanapuram P.O. - 695606

Kerala:

Age: 45

Education: SSLC

Size of land holding (in acre): 3

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Okra	3	500	350000	129500
Total	4	3	500	350000	129500

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	Okra	3	600	435000	268500	20.00	107.34
Total				435000	268500	-	107.34

Brief: The farmer used to get annual income of Rs. 129500 from okra cultivation. He faced problems like labour shortage, high labour cost and water shortage. With DFI interventions like drip irrigation system and vegetable transplanter, he is getting annual income of Rs. 268500. In addition, there is cost saving of Rs. 54000 in the production of 600 q/3 acres.



Vegetable cultivation



Vegetable transplanter used field

**Effect of DFI intervention****Name of KVK: MitraniKETan KVK (ICAR),
Thiruvananthapuram****Name of farmer: Unnikrishnan B.****Address:** Kuzhiyankattu House, Nellanad P.O, Vamanapuram. PIN - 695606**Kerala:****Age: 55****Education: Degree****Size of land holding (in acre):** 7 (1.5 – own land & Lease land – 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.)
Hort. Crop 1	Brinjal	0.25	10	25000	1000
Hort. Crop 2	Cucumber	1.00	180	180000	0
Hort. Crop 3	Cowpea	1.00	90	225000	45000
Hort. Crop 4	Snake gourd	0.50	120	144000	54000
Hort. Crop 5	Bitter gourd	0.50	60	180000	90000
Hort. Crop 6	Okra	0.50	30	90000	0
Hort. Crop 7	Ivy gourd	0.25	30	60000	36500
Hort. Crop 8	Banana	3.00	165	495000	170000
Total	9	7	355	1399000	396500

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	Brinjal	0.30	30	180000	147000	200	14600
Hort. Crop 2	Cucumber	1	300	390000	190000	>100	>100
Hort. Crop3	Cowpea	0.70	90	450000	250000	>100	>100
Hort. Crop 4	Snake gourd	0.50	60	90000	-60000	-50.00	-211.11
Hort.Crop 5	Bitter gourd	0.50	60	300000	100000	0	11.11
Hort.Crop 6	Okra	0.50	60	270000	120000	>100	>100
Hort.Crop 7	Ivy gourd	0.50	50	150000	85000	>100	>100
Hort.Crop 8	Banana	3	200	600000	0	0	0
Total				2430000	832000	-	109.84

Brief: The farmer used to get annual income of Rs.396500 from vegetable & banana cultivation. He faced problems like labour shortage, high labour cost and water shortage. With DFI interventions like drip irrigation system and vegetable transplanter he is getting annual income of Rs.832000. In addition, there is cost saving of Rs. 595500 in the production of 430 q/7acres.





Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Anilkumar T.

Address: Harivilasam, Vamanapuram P.O. 695606

Kerala:

Age: 51

Education: SSLC

Size of land holding (in acre): 3.65 (Own land – 0.65, Lease land – 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	Paddy	3.65	90	292500	73500
Total		3.65	90	292500	73500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3.65	91.25	298250	152250	1.39	107.14
Total		3.65	91.25	298250	152250	-	107.14

Brief: The farmer used to get annual income of Rs. 73500 from power tiller used mechanization. He faced problems like labour shortage & high labour cost. With DFI interventions like tranplanter, reaper cum binder & thresher cum winnower, he is getting annual income of Rs. 152250. In addition, there is cost saving of Rs. 73000 in the production of 91.25q/3.65 acres.



Mechanized paddy transplanting



Mechanized paddy transplanted field



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Arunlal R.B.

Address: Puthumana Veedu, Vamanapuram P.O. 695606

Kerala:

Age: 22

Education: Plus two

Size of land holding (in acre): 2 (Lease land)

2) 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	50	149050	29050
Total		2	50	149050	29050

3) 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	51.25	178750	80000	2.5	175.39
Total		2	51.25	178750	80000	-	175.39

Brief: The farmer used to get annual income of Rs. 29050 from Power tiller used mechanization . He faced problems like labour shortage & high labour cost. With DFI interventions like tranplanter, reaper cum binder & thresher cum winnower, he is getting annual income of Rs. 80000. In addition, there is cost saving of Rs. 21250 in the production of 51.25q/2 acres.



Mechanized paddy transplanted field



Reaper cum binder for paddy harvesting

Effect of DFI intervention

Name of KVK: Mitraniketam KVK (ICAR),
Thiruvananthapuram



Name of farmer: Arifa P.A.

Address: Lumiere Towers, TC 22/3306, Sashthamangalam, PIN - 695010

Kerala:

Age: 75

Education: B.Sc. Mathematics

Size of land holding (in acre): 1.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	100 Nos.	8.64	30190	1105
Hort. Crop 2	Banana - Nendran	1.0 Acre	45	225000	125000
Hort. Crop 3	Poovan	0.25 Acre	9	40500	20500
Hort. Crop 4	Rasakadhali	0.25 Acre	12	72000	42000
Total				367690	188605

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	100 Nos.	8.5	36000	12600	-1.62	1040.27
Hort. Crop 9	Banana - Nendran	1.5 Acre	82.5	412500	375000	>100	>100
Total				448500	387600	-	105.51

Brief: The farmer used to get annual income of Rs.188605 from vegetable and banana. She faced problems like water shortage and high labour cost. With DFI interventions like automation in irrigation, wick irrigation and banana bunch covering device, she is getting annual income of Rs.387600. In addition, there is cost saving of Rs.124978 in the production of 82.5/1.5 acre and 8.5q/100 nos.



Vegetable cultivation under wick irrigation system



Mechanized banana cultivation



Effect of DFI intervention

**Name of KVK: Mitraniketam KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Suhair A.

**Address: Sunitha Manzil, Mudapuram P.O,
Chirayinkeezhu, PIN - 699304**

Kerala:

Age: 45

Education: SSLC

Size of land holding (in acre): 3

2) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.5 Acre	20 Q	36000	5000
Field Crop 2	Coconut	1.5 Acre	2000 Nos.	24000	-1500
Livestock 1	Dairy	7 Nos.	18900 Litre	567000	275200
Livestock 2	Goatry	10 Nos.	0.90 Q	54000	-30000
Total		3 Acre , 17 Nos.	20.9 Q	681000	248700

3) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.5 Acre	31 Q	85250	63700	55.00	1174
Field Crop 2	Coconut	1.5 Acre	1800 Nos.	34000	5350	>100	>100
Hort. Crop 1	Diary	7 Nos.	21420 Litre	792540	482290	>100	>100
Hort. Crop 2	Goatry	7 Nos.	1.8 Q	99000	38000	100	-226.67
Total				1010790	589340	-	136.97

Brief: The farmer used to get annual income of Rs. 248700 from paddy, coconut, dairy & goatry. He faced problems like labour scarcity & high labour cost. With DFI interventions like farm mechanization, he is getting annual income of Rs 589340. In addition, there is cost saving of Rs. 4850 in the production of 31 Q/1.5 Acre.



Paddy Mechanization using Power Tiller



Drone based micronutrient spray



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: B. Rajalekshmi Ammal

**Address: Santhipeedham, House No.32, Kakkanadu Lane,
Kesavadasapuram, Pattom PO, PIN -695004**

Kerala: Age: 60

Education: B.A

Size of land holding (in acre): 0.05

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Okra	5 Nos.	0.52	3380	343
Hort. Crop 2	Brinjal Long Green	10 Nos.	1.3	7150	1076
Hort. Crop 3	Brinjal	5 Nos.	1.4	7700	4663
Hort. Crop 4	Chilly	5 Nos.	1.2	8400	5363
Hort. Crop 5	Cowpea	29 Nos.	3.12	21840	16774
Hort. Crop 6	Amaranthus	6 Nos.	1.15	2300	656
Total		60 Nos.	8.69	50770	28875

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	Okra	10 Nos.	1.04	5720	2558	100	645.77
Hort. Crop 2	Brinjal longgreen	5 Nos.	0.78	4290	2617	>100	>100
Hort. Crop 3	Brinjal	10 Nos.	4.2	23100	19938	>100	>100
Hort. Crop 4	Chilly	5 Nos.	2.5	12500	10627	108.33	98.15
Hort. Crop 5	Cowpea	20 Nos.	3.12	21840	14600	0	-12.96
Hort. Crop 6	Amaranthus	5 Nos.	1.5	3000	1712	>100	>100
Hort. Crop 7	Tomato	5 Nos.	2.6	7800	6227	>100	>100
Total				78250	58279	-	101.83

Brief: The farmer used to get annual income of Rs. 28875 from vegetables in grow bag cultivation. She faced problems like irrigation & water shortage etc. With DFI interventions like wick irrigation system, she is getting annual income of Rs.58279. In addition, there is cost saving of Rs.1924 in the production of 15.74 q/60 Nos. of grow bags.



Farmer experience sharing



Wick irrigation system



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR), Thiruvananthapuram

Name of farmer: Justin A.

Address: Nedinjal Cheruvilaveedu, Venniyoor, Nellivila P.O

Kerala:

Age: 55

Education: SSLC

Size of land holding (in acre): 6 (Own land – 1, Lease land – 5.0)

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	2	180	504000	304000
Hort. Crop 2	Ivy gourd	1	120	300000	200000
Hort. Crop 3	Cucumber	1	240	216000	66000
Hort. Crop 4	Bitter gourd	1	150	750000	300000
Hort. Crop 5	Tapioca	1	53.33	79995	44995
Total		6	743.33	1849995	914995

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	2	200	720000	526500	11.11	73.19
Hort. Crop 2	Ivy gourd	2	220	770000	594250	>100	>100
Hort. Crop 3	Cucumber	1	360	612000	503938	>100	>100
Hort. Crop 4	Bitter gourd	1	180	990000	627750	20.00	109.25
Total		6	960	3092000	2252438	-	146.17

Brief: The farmer used to get annual income of Rs.914995 from Banana, Tapioca & Vegetables. He faced problems like labour shortage , high labour cost & water shortage. With DFI interventions like Drip irrigation system & Rain hose spray irrigation system , he is getting annual income of Rs.2252438. In addition, there is cost saving of Rs. 95438 in the production of 960q/ 6acres.



Rain hose spray irrigation in Vegetables



Bitter gourd cultivation



Effect of DFI intervention

Name of KVK: Mitraniketan KVK(ICAR),

Name of farmer: Haja Hussain A

Thiruvananthapuram

Address: Puthen Veedu, Chembooru, Mudhakkal P.O., PIN - 695103

Kerala:

Age: 61

Education: Diploma

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	80 Nos.	1500 Nos.	22500	7500
Hort. Crop 2	Banana	1500 Nos.	35 q	150000	30000
Hort. Crop 3	Vegetables	0.30	9 q	45000	20000
Hort. Crop 4	Tuber crops	0.30	6 q	25000	12500
Hort. Crop 5	Spices	12 Nos.	0.25 q	4000	1000
Hort. Crop 6	Betel vine	0.03	300 Nos.	9000	4000
Other enterprise (Specify)	Dairy	1 No.	700 Ltr.	28000	4000
Total				295500	79000

2) Status in 2020

Component Description		Benchmark (Baseline period 2016-17)				% increase over base year	
Components	Names	Area (Acre)/Number	Production (Q/Liter/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	60 Nos.	800 Nos.	20000	12000	-46.67	60.00
Hort. Crop 2	Banana	800 Nos.	40 q	140000	60000	114.29	100.00
Hort. Crop 3	Vegetables	0.15	5 q	30000	10000	-44.44	-50.00
Hort. Crop 4	Tuber crops	0.35	7 q	30000	10000	16.67	-20.00
Hort. Crop 5	Spices	5 Nos.	0.25 q	2500	500	0	-50.00
Hort. Crop 6	Betel vine	0.03	300 Nos.	36000	24000	>100	>100
Hort. Crop 7	Maize	0.25	6 q	30000	20000	>100	>100
Other enterprise (Specify)	Dairy	1 No.	700 Ltr.	35000	7000	>100	75.00
	Goatry	100 Nos.	1000 Nos.	12000	2000	100	100
	Fish	800 Nos.	1.5 q	45000	15000	100	100
Total	10	2.5	59.75 q	380500	160500	-	103.16

Brief: The farmer used to get annual income of Rs.79000 from Coconut ,Banana, Vegetables, Tubers & Dairy. He faced problems like water shortage, labour shortage & high labour cost. With DFI interventions like Micro irrigation systems he is getting annual income of Rs.160500.In addition, there is cost saving of Rs.10500 in the production of 59.75 q/ 2.5 acres .



Rain hose spray irrigation system for vegetable cultivation



Goat

Effect of DFI intervention**Name of KVK: Mitraniketan KVK(ICAR),
Thiruvananthapuram****Name of farmer: N.Radhakrishnan****Address: Nandhanam, Kaluvilla, Nalloorvattom, Plamoottukada P O, PIN -
695122****Kerala:****Age: 47****Education: Plus Two****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	2.5	60	144000	24000
Hort. Crop 1	Vegetable	2	40	140000	40000
Hort. Crop 2	Banana	1	100	300000	100000
Other enterprise (Specify)	Dairy	5 Nos.	15000 Ltr.	600000	50000
Total				1184000	214000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2.5	65	175500	50500	8.33	110.42
Hort. Crop 1	Vegetable	2	45	225000	116000	>100	>100
Hort. Crop 2	Hi-tech	1	120	480000	180000	>100	>100
Other enterprise (Specify)	Dairy	6 Nos.	18000 Ltr.	720000	95000	20.00	90.00
Total				1600500	441500	-	106.31

Brief: The farmer used to get annual income of Rs.214000 from Paddy ,Banana, Vegetables & Dairy. He faced problems like labour shortage & high labour cost. With DFI interventions like Micro irrigation systems he is getting annual income of Rs.441500.In addition, there is cost saving of Rs.41000 in the production of 230 q/ 5.5 acres .



Banana field



Drip irrigation system for vegetable cultivation



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK(ICAR),
Thiruvananthapuram**

Name of farmer: Symon S.L.

Address: Lilly Cottage, Chenavila, Koovalasserry P.O., PIN - 695512

Kerala:

Age: 58

Education: Pre- Degree

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.)
Hort. Crop 1	Banana	2	160	640000	316667
Hort. Crop 2	Cassava	1.5	120	144000	75500
Total				784000	392167

2) Status in 2020

Component Description		Benchmark (Baseline period 2016-17)				% increase over base year	
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	2	180	900000	710000	12.50	124.21
Hort. Crop 2	Cassava	1.5	200	400000	330000	>100	>100
Total				1300000	1040000	-	165.19

Brief: The farmer used to get annual income of Rs.392167 from Banana and cassava. He faced problems like labour shortage, water shortage & high labour cost. With DFI interventions like Micro irrigation systems and Semi – manual cassava harvester he is getting annual income of Rs.1040000. In addition, there is cost saving of Rs.131833 in the production of 380 q/ 3.5 acres .



Semi – manual cassava harvester for harvesting cassava



Front line demonstration of cassava harvester

Effect of DFI interventionName of KVK: **Mitraniketan KVK****Effect of DFI intervention**

(ICAR) Thiruvananthapuram

Name of farmer: **Mrs. Chandrika**Address: **Pranavam, G.S.S,N.R,A :129, N.C.C Road, Peroorkada PO, Trivandrum 695005**

Kerala:

Age: **69**Education: **B.Sc.,B.Ed.**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	Banana	0.1	7.2 q	25200	22300
Hort. Crop 2	Vegetables	0.08	0.96 q	5280	3680
Livestock	Hen	0.01	10 Nos	19250	11700
Other enterprise (Specify)	Composting	0.02	3 q	4500	4300
Total		0.21		54230	41980

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/N	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana	0.1	9 q	36000	28000	25.00	25.56
Hort. Crop 2	Vegetables	0.08	2.88 q	17280	14180	200.00	285.33
Livestock	Hen	0.01	34 Nos	75650	44150	240.00	277.35
Other enterprise (Specify)	Composting	0.02	6.5 q	9750	9350	116.67	117.44
Total		0.21		138680	95680		127.92

Brief: The farmer used to get annual income of Rs.41980.00 from vegetables, banana, hen, composting etc. She faced problems like non availability of organic manure, pest and diseases, marketing etc. With DFI interventions like On farm Trial, IFS, advisories, trainings etc., She is getting annual income of Rs.95680.00. In addition, there is cost saving of Rs.2100/- by using biogas plant.



composting



Vegetable cultivation



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK
(ICAR) Thiruvananthapuram**

Name of farmer: Mr. Shiju.R

**Address : Abhishek Bhavan, Pahiryode, Velloorkonnam, Mancha
P.O, Trivandum, 695541**

Kerala:

Age: 40

Education: class 10

Size of land holding (in acre): 1.4

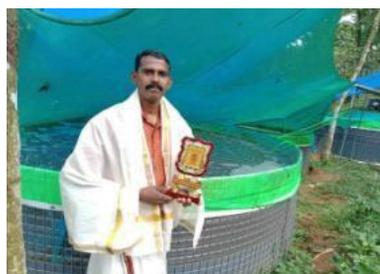
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 2	Banana	0.05	0.3 q	1050	350
Total			0.3	1050	350

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	0.5	33 q	33000	15000	>100	>100
Hort. Crop 2	Banana	0.3	15 q	33000	18000	4900	5042.85
Hort. Crop 3	Sweet potato	0.05	6.4 q	7335	3853	>100	>100
Livestock 1	Fisheries	0.1	6 q	120000	8000	>100	>100
Total		0.9		193335	44853		12715.1

Brief: The farmer used to get annual income of Rs.350.00 from banana in homestead. He faced problems like unavailability of good quality planting materials, lack of knowledge etc. With DFI interventions like On Farm Trial, Integrated Farming System, advisories, trainings, etc., he is getting annual income of Rs 44853.00. In addition. there is increase in income from production of other minor crops of Rs.12 00.00.



DFI Interventions –OFT on sweet potato varieties

Fisheries



Effect of DFI intervention

Name of KVK: Mitraniketana KVK (ICAR) Thiruvananthapuram

Name of farmer: Mr. D Ramachandran Nair

Address : Ramanilayam, Mangattupara, Panackode P O,

Trivandrum, 695542

Kerala:

Age: 62

Education: Class 8

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	0.5	5.5	13200	9200
Hort. Crop 1	Tapioca	0.65	133	199500	184300
Hort. Crop 2	Banana	0.5	40	140000	110000
Total		1.65	178.5	352700	303500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field crop 1	Paddy	0.5	7.5	22500	17400	36.36	89.1
Hort. Crop 1	Tapioca	0.65	160	480000	460000	20.3	149.6
Hort. Crop 2	Banana	0.7	56	291200	246200	40	123.8
Total		1.85	223.5	793700	723600	96.7	138.42

Brief: The farmer used to get annual income of Rs.303500.00 from banana in homestead. He faced problems like unavailability of good quality planting materials, lack of knowledge, low productivity etc. With DFI interventions like advisories, trainings, marketing strategies etc., he is getting annual income of Rs.723600. In addition, there is increase in income from production of other crops of Rs..1100.00



DFI Interventions –Paddy cultivation and tapioca

**Effect of DFI intervention Name of KVK: Mitrani Ketan KVK
(ICAR) Thiruvananthapuram**

Name of farmer: Anil Kumar B
Address : Ambadi, Nedumanoor, Punalal P O, Trivandrum, 695575
Kerala:
Age: 51
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	Plantation crops	0.5	6.8 q	23800	22800
Field crop 2	Rubber	0.5	6.5 q	84500	81900
Hort. Crop 2	Banana	0.5	18 q	54000	29000
Hort. Crop 3	Ginger	0.05	2 q	16000	13000
Hort. Crop 4	Turmeric	0.02	0.5 q	1500	1450
Total				179800	148150

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	Plantation crops	0.5	8.75 q	35000	28200	28.68	23.68
Field crop 2	Rubber	2	25 q	300000	196000	284.62	139.3
Hort. Crop 1	Amorphophallus	0.1	4 q	9000	4000	>100	>100
Hort. Crop 2	Banana	2.5	75 q	300000	172000	316.67	493
Hort. Crop 3	Ginger	0.1	5.4 q	36000	21000	170.00	61.5
Hort. Crop 4	Turmeric	0.1	5.4 q	15600	5600	980.00	286.2
Other enterprise	Honey	15 Nos	0.2 q	6000	2400	>100	>100
Total				701600	429200		189.70

Brief: The farmer used to get annual income of Rs.148150.00 from plantation crop, rubber, banana, Ginger, turmeric etc. He faced problems like non availability of organic manure, pest and diseases, marketing etc. With DFI interventions like On Farm Trial, IFS, advisories, trainings etc., he is getting an annual income of Rs. 429200.00. In addition, there is cost saving of Rs.3300/- in production of bee hive.



Banana cultivation



Rubber plantation and Apiculture



Effect of DFI intervention Name of KVK: MitraniKETan KVK (ICAR)
Thiruvananthapuram

Name of Farmer: Mrs. Shamila H

Address : Manaluvila veedu , Thottarikathu Veedu, Kallode P.O

Age: 35

Education: Class 7

Size of land holding (in acre): 0.65

2) 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	Vegetable	0.2	0.28 q	980	810
Livestock 1	Goat	0.03	4 Nos	26000	10000
Livestock 2	Hen	0.04	80 Nos	68000	52000
Total				94980	62810

3) 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	Vegetable	0.2	0.42 q	1680	1330	50	64.2
Livestock 1	Goat	0.03	6 Nos	48000	32000	50	220
Livestock 2	Hen	0.04	150 Nos	128100	90200	87.5	73.5
Other enterprise (Specify)	Vermicompost	0.02	8 q	12000	11850	>100	>100
Total		0.29		189780	135380		115.54

Brief: The farmer used to get annual income of Rs. 62810.00 from . Vegetables, Goat and Hen etc. She faced problems like unavailability of organic manure, low productivity etc. With DFI interventions like introduction of vermicompost, trainings ,field visits , advisories etc., She is getting an annual income of Rs.135380.00. There is cost saving of Rs. 11850.00 in the production of



Swachhta Action Plan-vermicompost unit



Vegetable cultivation



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mr. Yesudasan A

Address : Tresa Bhavan, kottavila, Mundela P.O, Trivandum 695543

Kerala:

Age:75

Education: class 11

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	Amorphophallus	0.1	11.2 Q	22400	17680
Hort. Crop 2	Ginger	0.01	0.6 Q	5100	4700
Hort. Crop 3	Fruits	0.5	6 q	66000	58000
Livestock 1	Hen	0.02	20 Nos	25600	23550
Total		0.63		119100	103930

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	Amorphophallus	0.5	56 q	112000	61000	400	245.02
Hort. Crop 2	Ginger	0.4	15 q	127500	61500	2400	1208.51
Hort. Crop 3	Fruits	0.5	6 q	84000	70000	0.00	20.69
Livestock 1	Hen	0.4	200 Nos	240500	142800	900	506.37
Total		1.8		564000	335300		222.62

Brief: The farmer used to get annual income of Rs. 103930.00 from amorphophallus, ginger, fruits, hen etc. He faced problems like unavailability of good quality planting materials, pest and diseases, etc. With DFI interventions like Frontline demonstrations, advisories, trainings, etc., he is getting annual income of Rs.335300.00. In addition, there is cost saving of Rs. 1000.00 in the production of other crops.



Gajendra variety Amorphophallus



Mixed cropping



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mrs. Sheela S

Address : Chirathalackal veedu, Companymukku, Mitraniketan P O 695543

Kerala:

Age: 48

Education: class 10

Size of land holding (in acre): 0.22

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	Pepper	0.02	0.15 q	1650	1600
Livestock 1	Hen	0.01	25 Nos.	18750	17500
Total		0.2		20400	19100

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	Rubber	0.17	0.8 Q	13600	10100	>100.00	>100.00
Hort. Crop 1	Pepper	0.03	0.25 q	6250	5750	66.70	259.40
Livestock 1	Hen	0.01	30 Nos.	29000	26200	20.00	49.70
Total		0.21		48850	42050		120.16

Brief: The farmer used to get annual income of Rs. 19100.00 from pepper, hen etc. She faced problems like low yield. With DFI interventions like Introduction of improved variety, advisory, training, method demonstrations etc., she is getting an annual income of Rs.42050.00. In addition, there is cost saving of Rs. 750/- in the production of poultry manure.



Poultry Unit



Pepper and Rubber -DFI intervention





Effect of DFI intervention Name of KVK: MitraniKETan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mrs. Mini G.

Address: Thekkemadom, Kurinjilikode, Mundela P.O., Trivandrum 595543 Kerala:

Age: 61

Education: class 10

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	Vegetables	0.3	0.60 q	1800	860
Hort. Crop 2	Amorphophallus	0.5	30 q	60000	26000
Hort. Crop 3	Tapioca	0.1	31 q	31000	17500
Hort. Crop 4	Banana	0.5	11.12 q	38920	17320
Livestock	Hen	0.02	30 Nos.	11740	7540
Other enterprise	Apiary	0.03	0.05 q	1500	0
Other enterprise	Vermicompost	0.02	0.5 q	500	450
Total		1.47		145460	69670

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.3	2 q	8000	5550	233.33	545.4
Hort. Crop 2	Amorphophallus	0.5	60 q	120000	51000	100.00	96.15
Hort. Crop 3	Tapioca	0.1	36 q	36000	25000	16.13	42.86
Hort. Crop 4	Banana	0.5	19.2 q	67200	50800	72.66	193.3
Livestock	Hen	0.02	150 nos.	39600	23950	400.00	217.64
Other enterprise	Apiary	0.03	1.30 q	52000	14500	2500.00	
Other enterprise	Vermicompost	0.02	3.6 q	5400	4700	620.00	944.44
Other enterprise	Value addition		3 q		15000	>100	>100
Total		1.47		368200	190500		173.43

Brief: The farmer used to get annual income of Rs.69670/- from vegetables, tuber crops, banana, hen apiary, fruits etc. She faced problems like non availability of organic manure, pest and diseases, marketing etc. With DFI interventions like crop diversification, advisories, trainings etc., She is getting annual income of Rs.190500 /-. In addition, there is cost saving of Rs.5000.00 /- by selling bee colonies.





Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mrs. Maya Mol

Address: Shanthi Bhavan, Kandu Krishi, Oorupoyka P.O ,Trivandrum Kerala:

Age: 47

Education: class 12

Size of land holding (in acre): 0.2

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.)
Livestock 1	Goat	0.02	2	12000	6000
Total				12000	6000

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	Green Gram	0.1	0.2 q	1500	800	>100	>100
Livestock 1	Goat	0.02	4 Nos.	28000	16500	100	175.00
Other enterprise (Specify)	Vermicompost	0.02	1.5 q	2250	1950	>100	>100
Total				31750	19250		220.83

Brief: The farmer used to get annual income of Rs.6000.00 from Goat. She faced problems like non availability of organic manure, good quality planting material. With DFI interventions like NFSM, advisory, trainings etc., She is getting annual income of Rs.17300. There is cost saving of Rs. 1950/- in the production of organic manure.



Goat



Green Gram cultivation-NFSM



**Effect of DFI intervention Name of KVK: Mitraniketan KVK (ICAR),
Thiruvananthapuram**

Name of farmer: Simi A.J.
Address: Ramla Manzil, Kallode, Kuttichal P.O.
Kerala:
Age: 41
Education: S.S.L.C.
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	Rubber	3.00	19 q	228000	147450
Hort. Crop 1	Tuber crop	0.15	24 q	36000	34250
Hort. Crop 2	vegetable	0.10	8 q	72000	63600
Hort. Crop 3	Banana	0.10	6 q	18000	10500
Livestock 1	Goat	0.03	10	72000	62000
Livestock 2	Hen	0.01	50	48000	42000
Total		3.39		474000	359800

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	Rubber	3	27 q	378000	282450	42.1	91.6
Hort. Crop 1	Tuber crop	0.25	35 q	70000	66150	45.8	93.1
Hort. Crop 2	Vegetables	0.25	15 q	135000	123400	87.5	94.0
Hort. Crop 3	Banana	0.25	6.5 q	19500	10700	8.3	1.9
Hort. Crop 4	Spices	0.15	12 q	48000	45400	>100	>100
Livestock 1	Goat	0.06	10 no	84000	73000	-	17.7
Livestock 2	Hen	0.01	50 no	66000	59000	0.00	40.5
Other enterprise	Fishery	0.02	1 q	60000	52000	>100	>100
	Vermicompost	0.02	8 q	12000	11200	>100	>100
Total		3.7		872500	723300		101.03

Brief: The farmer used to get annual income of Rs.359800/-from hort. crop etc. She faced problems like pest and disease incidences and crop loss due to monkey attack. With DFI interventions like SAP, advisory, trainings etc., she is getting annual income of Rs.723300/-

Photo-1



Vegetable cultivation



Swacchta Action Plan

**Effect of DFI intervention Name of KVK:Mitraniketan KVK
(ICAR)**



Name of farmer: Mr. R. Raveendran
Address: KRA172, Ulloor Road, Trivandrum
Kerala:
Age: 65
Education: S.S.L.C
Size of land holding (in acre): 1.8

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.)
Plantation crop	Coconut	0.45	8.75 q	35000	28200
Hort. Crop 1	Vegetables	0.06	19.20 q	76800	67900
Hort. Crop 2	Fruit crops	0.02	6.5 q	117000	109600
Hort. Crop 3	Banana	0.1	6 q	21000	15100
Hort. Crop 4	Tuber crops	1	12 q	60000	45400
Hort. Crop 5	Turmeric	0.15	0.4 q	2100	1650
Total				311900	267850

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
Plantation crop	Coconut	0.45	9.45q	51975	431758		53.1
Hort. Crop 1	Vegetables	0.06	23.04 q	92160	85260	20	25.6
Hort. Crop 2	Fruit crops	0.02	6.5 q	130000	125600	0	14.60
Hort. Crop 3	Banana	0.1	12.6 q	56700	52800	110	249.67
Hort. Crop 4	Tuber crops	1	28q	168000	160400	133	253.3
Hort. Crop 5	Turmeric	0.15	0.4q	2400	1950	0	18.18
Livestock 1	Hen	0.02	95 Nos.	228000	144000	>100	>100
Total		1.8		729235	613185		128.93

Brief: The farmer used to get annual income of Rs. 267850/- from coconut, vegetables fruits etc. He faced problems like non availability of organic manure, pest and diseases etc. With DFI interventions like advisory, trainings etc., he is getting annual income of Rs. 613185/-. In addition, there is cost saving of Rs. 8500/- in the production of hridayamritha and sasyamrutha.



Terrace cultivation



Pandit Deen Dayal Upadhyay Antyodaya Krishi Puraskar Zone xl

**Effect of DFI intervention Name of KVK:Mitraniketan KVK
(ICAR)**



Name of farmer: Mrs. Nusaifa Beevi
Address: Ansar Manzil, Vellanad, Trivandrum
Kerala:
Age:63
Education: B.AA rabic
Size of land holding (in acre):

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Plantation Crop 1	Coconut	0.08	0.8 q	2000	1850
Plantation Crop 2	Arecanut	0.08	0.51q	2550	1450
Hort. Crop 1	Banana	0.1	5.5q	8800	7600
Livestock 1	Hen	0.01	15 Nos	11250	9850
Total				24600	20750

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
Plantation Crop 1	Coconut	0.07	1.5 q	7500	3900	114	110.8
Plantation Crop 2	Arecanut	0.03	1 q	10000	5700	422.88	293.1
Hort. Crop 1	Banana	0.07	10 q	20000	10500	159.74	38.16
Livestock 1	Hen	0.01	30 No	22500	18200	100	84.8
Other enterprise (Specify)	Vermicompost	0.01	15 q	15000	13400	>100	>100
	Fishery	0.1	1 q	25000	4000	>100	>100
Total				100000	55700		168.43

Brief: The farmer used to get annual income of Rs. 20750/- from plantation crop, hort. crop, livestock etc. She faced problems like pest and disease, nutrient deficiency etc. With DFI interventions like Integrated Nutrient Management, Swacchta Action Plan, fisheries etc., she is getting annual income of Rs.55700/-. In addition, there is cost saving in the production of organic manure.



Poultry



Vermicompost unit



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Name of farmer: Mrs. Naseema.U

Address: Jamalial Manzil

Kerala:

Age: 57

Education: Class 4

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.)
Hort. Crop 1	Colocasia	0.08	0.6	1800	1500
Hort. Crop 2	Vegetables	0.2	0.8	2800	1900
Livestock 1	Goat	0.01	3 No	18000	13600
Livestock 2	Hen	0.02	12 No	7500	5000
Total	0.31			30100	22000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.05	1.4 Q	5600	2500	150.00	31.6
Hort. Crop 2	Banana	0.1	8 Q	28000	12000	>100	>100
Hort. Crop 3	Tapioca	0.18	16 Q	32000	23900	>100	>100
Livestock 1	Goat	0.01	5	30000	18400	66.7	35.3
Livestock 2	Hen	0.02	20	6250	2850	66.7	-43.0
Other enterprise (Specify)	Vermicompost	0.011	7 Q	10500	9600	>100	>100
Total		0.37		112350	69250		214.77

Brief: The farmer used to get annual income of Rs. 22000/- from Colocasia, vegetables, goat, hen etc. She faced problems like non availability of organic manure good planting material etc. With DFI interventions like Swachhta Action Plan, training, advisories etc., she is getting annual income of Rs.69250/-. In addition, there is cost saving of Rs. 9600/- in the production of vermicompost



Goatry



Vermicompost

Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram



Name of farmer: Mr. Ganapathy Potti

Address : Idamanamadam, Cherumankottukonam, Aruvikkara P O, Trivandum Kerala:

Age: 61

Education: Degree

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	Cowpea	0.25	9.5	61750	41250
Total				61750	41250

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Cowpea	0.25	15.6 q	101400	72900	64.21	76.7
Hort. Crop 2	Colocasia	0.2	32 q	64000	36000	>100	>100
Hort. Crop 3	Ginger	0.1	12 q	48000	22000	>100	>100
Total		0.55		213400	130900		217.33

Brief: The farmer used to get annual income of Rs.41250.00 from cowpea. He faced problems like unavailability of good quality planting materials, pest and diseases, etc. With DFI interventions like Frontline demonstrations, advisories, trainings, etc., he is getting an annual income of Rs.130900.00. In addition, there is cost saving of Rs.725.00 in the production of other crops.



Colocasia cultivation



Cowpea cultivation



Effect of DFI intervention

Name of KVK: Mitraniketan KVK
(ICAR) Thiruvananthapuram

Name of farmer: Mr. Anil Kumar G
Address : Mithila, Kulappada P O, Aryanad,
Trivandum
Kerala:
Age:38
Education: Pre-degree
Size of land holding (in acre): 1.8

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.)
Hort. Crop 1	Cassava	0.4	8 q	12000	7000
Hort. Crop 2	Banana	0.4	30 q	75000	24000
Total		0.8	38 q	87000	31000

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	1	15 q	30000	16000	87.5	128.57
Hort. Crop 2	Banana	0.4	40 q	120000	55000	33.33	129.17
Plantation crop 1	coconut	0.4	8 q	40000	23500	>100	>100
Total		1.8	63 q	190000	94500		204.84

Brief: The farmer used to get annual income of Rs.3`000.00 from cassava cultivation. He faced problems like unavailability of good quality planting materials, nutrient deficiency, wild boer attack etc. With DFI interventions like NFSM, advisories, trainings, etc., he is getting an annual income of Rs.94500.00.



Banana cultivation



Tapioca cultivation



Effect of DFI intervention

Name of KVK: Mitraniketam KVK (ICAR) Thiruvananthapuram

Name of farmer: Mr. S Sreekumar

Address : S K Bhavan, Aruthalampad, Konniyoor, Punalal. P O, Trivandrum Kerala:

Age: 52

Education: S S L C

Size of land holding (in acre): 0.3

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Cassava	0.20	26 Q	26000.00	15000.00
Total		0.20	26 Q	26000.00	15000.00

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Cassava	0.20	33 q	49500.00	33000.00	26.92	120
Hort. Crop 2	Bush pepper Nursery	0.08	4000 Nos	40000.00	23000.00	>100	>100
Total		0.28		89500.00	56000.00		273.33

Brief: The farmer used to get annual income of Rs.15000.00 from cassava. He faced problems like unavailability of good quality planting materials, soil fertility etc. With DFI interventions like advisories, trainings, field visits etc., he is getting annual income of Rs.56000.00. In addition, there is cost saving of Rs.1250.00 in the production of organic manure.





Effect of DFI intervention

Name of KVK: Mitraniketana KVK (ICAR) Thiruvananthapuram

Name of farmer: Mr. Akhil Kumar M S

Address :Akhil Vihar, Adityapuram, Chaykulam, Veranakavu P O, Trivandrum, 695572

Kerala:

Age: 30

Education: Degree

Size of land holding (in acre): 0.5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Turmeric	0.05	4 q	10000	7000
Total		0.05	4 q	10000	7000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area	Production	Gross Income	Net Income	production	income
		a	(Q/Liter/No.)	(Rs.)	(Rs.)		
Hort. Crop 1	Turmeric	0.15	8.35 q	25050	18000	108.75	157.86
Hort. Crop 2	Tapioca	0.2	11.5 q	11500	1500	>100	>100
Hort. Crop3	Amorphophallus	0.1	1.6 q	4000	1800	>100	>100
Total		0.45	21.45 q	40550	21300		204.29

Brief: The farmer used to get annual income of Rs. 7000.00 from turmeric etc. He faced problems like unavailability of good quality planting materials, Lack of technical advise etc. With DFI interventions like frontline demonstrations, advisories, trainings, etc., he is getting annual income of Rs.21300.00. In addition, there is cost saving of Rs. 1100.00 by adopting intercropping. He started a goatry unit recently



Amorphophallus cultivation- FLD



Cassava cultivation



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mr. Sankaran Potti

Address:

Ambadi, Mylamoodu, Aruvikkara P O, Thiruvananthapuram

Kerala:

Age: 63

Education: B.A

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	Cowpea	0.5	22 q	143000	99360
Total		0.5	22 q	143000	99360

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Cowpea	1	58.8 q	382200	258920	167.3	161
Hort. Crop 2	Cashew	0.5	0.04 q	1200	600	>100	>100
Total				383400	259520		161.19

Brief: The farmer used to get annual income of Rs.99360.00 from Cowpea. He faced problems like unavailability of good quality planting material. With DFI interventions like Frontline demonstrations, advisories, trainings, etc., he is getting annual income of Rs.259520.00. In addition, he has ordered tractor and brush cutter to solve labour shortage.



DFI Interventions-Cowpea and cashew



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mr. Rajamony K

Address: Thejas, Mullilavinmoodu, Aruvikkara P O, Trivandrum

Kerala:

Age: 63

Education: Diploma

Size of land holding (in acre): 1.35

2) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	cowpea	0.5	21.2	137800	88900
Hort. Crop 3	Banana	0.4	14 q	150000	62000
Livestock 1	Hen	0.02	15 Nos	5000	2700
Total		0.92	21.2	292800	153600

3) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	cowpea	0.5	31.6 q	237000	187560	49.06	110.98
Hort. Crop 2	Bitter Gourd	0.08	12 q	61600	44000	>100	>100
Hort. Crop 3	Banana	0.7	70 q	285000	188000	400	203.23
Livestock 1	Hen	0.02	40 Nos.	12000	6500	166.67	140.74
Total				595600	426060		177.38

Brief: The farmer used to get annual income of Rs.153600.00 from cowpea, banana and hen etc. He faced problems like unavailability of good quality planting materials, soil fertility etc. With DFI interventions like Frontline demonstrations, advisories, trainings, etc., he is getting annual income of Rs.426060.00. In addition, there is cost saving of Rs.600.00 in the production of poultry manure.





Effect of DFI intervention

Name of KVK: Mitraniketana KVK (ICAR) Thiruvananthapuram

Name of Farmer: Mr. Deepu J P

Address: Sakthi sandanam, Mundela P O, Trivandrum

Pin 695543

Kerala:

Age: 30

Education: Class 12

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.)
Livestock 1	Poultry	0.1	10 Nos	9000	4100
Total		0.1	10 Nos	9000	4100

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
Livestock 1	Poultry	0.1	250 Nos.	330000	52000	2400	1168.3
Other enterprise (Specify)	Fishery	0.02	250 Nos	50000	6000	>100	>100
Total		0.12	750 Nos	380000	58000		1314.63

Brief: The farmer used to get annual income of Rs.4100.00 from poultry etc. He faced problems like lack of time. With DFI interventions like advisories, trainings, etc., He is getting annual income of Rs.58000.00. In addition, he is planning to adopt integrated farming system.





Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Mrs. Sarada Devi

Address : Mini Bhavan, Cherumankottukonam, Aruvikkara P O, Trivandrum Kerala:

Age: 56

Education: Degree

Size of land holding (in acre): 1.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Rubber	1	12 q	150250	53000
Total		1	12 q	150250	53000

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	Amorphophallus	0.25	22 q	33000	11400	>100	>100
Hort. Crop 2	Banana	0.5	40 q	140000	55000	>100	>100
Hort. Crop 3	Cowpea	0.25	15.8 q	79000	43000	>100	>100
Total		1	77.8 q	252000	109400		106.42

Brief: The farmer used to get annual income of Rs.53000.00 rubber plantation. She faced problems like shortage of labour and inadequate knowledge. With DFI interventions like Frontline demonstrations, advisories, trainings, etc., she is getting an annual income of Rs.109400.00. In addition, she is cultivating turmeric and other vegetables for her family.



DFI Interventions –Banana and cowpea



Effect of DFI intervention

Name of KVK: Mitraniketan KVK
(ICAR) Thiruvananthapuram

Name of farmer: Mr. Vijayan Nair

Address :Rohini Bhavan,Chayam

P O, Trivandrum

Kerala:

Age: 61

Education: class 12

Size of land holding (in acre): 1.87

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.)
Plantation Crop 1	Coconut	0.8	9 q	45000	25000
Hort. Crop 3	Banana	0.5	40 q	100000	40000
Hort. Crop 4	Tapioca	0.5	30 q	30000	14600
Total				175000	79600

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	0.8	17 q	76500	38000	88.89	52.00
Hort. Crop 3	Banana	0.5	60 q	180000	94500	50.00	136.25
Hort. Crop 4	Tapioca	0.5	50 q	50000	28000	66.67	91.78
Total		1.8	127	306500	160500	60.76	101.63

Brief: The farmer used to get annual income of Rs.79600.00 from coconut, banana, tapioca etc. He faced problems like unavailability of good quality planting materials, inadequate knowledge etc. With DFI interventions like NFSM, advisories, trainings, etc., he is getting annual income of Rs.160500.00. In addition, there is cost saving in the production of other crops for his household.



DFI Interventions-Training and NFSM on pulses





Name of farmer: Umadevi G G
Address: Thricketta, Kalkuzhhy,
Kalathara, Mancha P.O.
Nedumangad- 695541

Kerala:
Age: 39 Education:
Degree

Size of land holding (in acre): 0.26

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Tapioca	0.2	3.5 q	5250.00	3275.00
Hort. Crop 1	Vegetables	0.05	0.92 q	4564.00	2704.00
Livestock 1	Poultry	0.01	12 No	9000.00	3200.00
Other enterprise	Value addition	1 unit	0.88 q	20200.00	8460.00
Total				39014	17639

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.2	4 q	9000.00	7800.00	14.29	138.17
Hort. Crop 2	Vegetables	0.05	1.68 q	7266.00	6266.00	> 100	> 100
Livestock 1	Poultry	0.01	15 No	10800.00	7200.00	> 100	> 100
Other enterprise	Value addition	1 unit	1.05 q	35625.00	19000.00	19.32	124.59
Total				62691	40266		128.28

Brief: The farmer used to get annual income of Rs.17639.00 from tapioca, vegetables cultivation and value addition. She faced problems like marketing, lack of knowledge in value addition and pest & disease in vegetables. With DFI interventions like trainings, EDP value addition in tapioca, training on vegetable cultivation. She is getting annual income of Rs. 40266.00. In addition, there is cost saving of Rs.22627.00 in the production of 6.73q.



Vegetable cultivation for DFI



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR) Thiruvananthapuram

Name of farmer: Ponnamma B N
Address: Mangalathu Veedu, Kokothamangalam, Mundela P.O.

Kerala:
Age: 66
Education: SSLC
Size of land holding (in acre): 0.3

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.1	0.86 q	13564.00	8504.00
Livestock 1	Poultry	0.01	30 No	15750.00	8550.00
Other enterprise	Value addition	1 unit	03.0 q	13650.00	8900.00
EDP- Value addition					
Total				42964	25954

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.3	2.58 q	26266.00	16266.00	200.00	91.27
Livestock 1	Poultry	0.02	50.No	22800.00	17800.00	> 100	> 100
Other enterprise	Value addition	1 unit	0.6 q	25650.00	17900.00	> 100	> 100
EDP- Value addition							
Total				74716	51966		100.22

Brief: The farmer used to get annual income of Rs.25954.00 from vegetable cultivation, poultry and value addition. She faced problems like lack of awareness on awareness on poultry farming and pest and disease in vegetable cultivation. With DFI interventions like trainings, EDP and training on vegetable cultivation. She is getting annual income of Rs.51966.00. In addition, there is cost saving of Rs.25812.00 in the production of vegetables and poultry farming.



Vegetable cultivation for DFI





Effect of DFI intervention

Name of KVK: Mitrani Ketan KVK (ICAR)

Name of farmer: Zeena A S

Thiruvananthapuram

Address: Darulsalam, Perungamala, Pangode P .O. Thiruvananthapuram, Kerala- 695563

Kerala:

Age: 56

Education: SSLC

Size of land holding (in acre): 0.65

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	Rubber	0.60	3.16 q	38000.00	24575.00
Hort. Crop 2	Vegetables	0.04	0.92 q	4564.00	2704.00
Livestock 1	Poultry	0.01	20 No	24000.00	14000.00
Other enterprise	Value addition	1 unit	0.70 q	19650.00	8900.00
EDP- Value					
Total				86214	50179

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	Rubber	0.60	4.5 q	63000.00	47075.00	42.41	91.56
Hort. Crop 1	Vegetables	0.04	1.68 q	7266.00	6266.00	> 100	> 100
Livestock 1	Poultry	0.01	30 No	33000.00	29500.00	> 100	> 100
Other enterprise	Value addition	1 unit	1.5 q	58000.00	26000.00	114.29	192.13
EDP- Value addition							
Total				161266	108841		116.91

Brief: The farmer used to get annual income of Rs.50170.00 from rubber, vegetables , poultry and Value addition. She faced problems like lack of awareness on value addition and poultry farming . With DFI interventions like EDP on value addition banana and vegetable cultivation practices. She is getting annual income of Rs. 108841.00 In addition, there is cost saving of Rs. 58662.00 in the production of rubber, vegetables, poultry and value addition in tapioca and locally available fruits and vegetables.



Value addition for DFI





Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR)
Thiruvananthapuram.**

**Name of farmer: Nazeema M
Address: Farook Villa, Anachal,
Kalamachal P.O.
Vamanapuram -695606**

**Kerala:
Age: 58
Education: SSLC
Size of land holding (in acre): 0.3**

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Livestock 1	Poultry	0.02	50 No	37500.00	16500.00
Livestock 2	Goat	0.01	2 No	32000.00	14000.00
Other enterprise (Value addition)	Value addition	1 unit	0.70 q	19650.00	8900.00
Total				89150	39400

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
Livestock 1	Poultry	0.02	65 No	45000.00	30000.00	30.00	81.82
Livestock 2	Goat	0.01	3 No	62300.00	29300.00	> 100	> 100
Other enterprise EDP- Value addition	Value addition	1 unit	1.5 q	58000.00	26000.00	> 100	> 100
Total				165300	85300		116.50

Brief: The farmer used to get annual income of Rs. 39400.00 from poultry, Goat and Value addition. She faced problems like lack of awareness on value addition, Goat and poultry farming . With DFI interventions like EDP on value addition banana and jackfruit. She is getting annual income of Rs 85300.00. In addition, there is cost saving of Rs. 45900.00 in the production of poultry, goat farming and value addition unit.



Value addition for DFI



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR)

Name of farmer: Rejani. N R

Thiruvananthapuram

Address: Devi Vihar, House No-XII/048,
Vellanad- 695543

Valiyara, Vellanad P .O.

Kerala:

Age: 38 Education:

Degree

Size of land holding (in acre): 0.2 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	Tapioca	0.2	4.0 q	5400.00	3270.00
Hort. Crop 1	Vegetables	0.05	0.86 q	3564.00	2500.00
Other enterprise	Value addition	1 unit	0.78 q	18200.00	7460.00
EDP-Value addition					
Total				27164	13230

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.2	5.8 q	7500.00	6200.00	45.00	89.60
Hort. Crop 1	Vegetables	0.04	1.58 q	6266.00	5266.00	> 100	> 100
Other enterprise	Value addition	1 unit	1.05 q	29625.00	15000.00	> 100	> 100
EDP-Value addition							
Total				43391	26466		100.05

Brief: The farmer used to get annual income of Rs. 13230.00 from tapioca, vegetables cultivation and value addition. She faced problems like marketing, lack of knowledge in value addition and pest & disease management in vegetables . With DFI interventions like trainings, EDP value addition in tapioca, training on vegetable cultivation. She is getting annual income of Rs. 26466.00. In addition, there is cost saving of Rs.13227.00 in the production of tapioca, vegetables and value addition.



Value addition for DFI





Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Name of farmer: Deepa S

Thiruvananthapuram

Address: Adia Bhavan, Vellamkudi, Kallara P.O.

Thiruvananthapuram- 695608

Kerala:

Age: 56

Education: SSLC

Size of land holding (in acre): 0.54

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	Rubber	0.5	3.0 q	38000.00	24575.00
Hort. Crop 1	Vegetables	0.04	0.92 q	4964.00	3704.00
Other enterprise	Value addition	1 unit	0.80 q	20200.00	16000.00
Total				63164	44279

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	Rubber	0.5	4.0 q	63000.00	47000.00	33.33	91.25
Hort. Crop 1	Vegetables	0.1	1.50 q	8266.00	7266.00	> 100	> 100
Other enterprise (Specify)	Value addition	1 unit	1.0 q	67625.00	45000.00	> 100	> 100
Total				138891	99266		124.18

Brief: The farmer used to get annual income of Rs.44279.00 from rubber, vegetable cultivation and value addition. She faced problems like marketing, lack of knowledge in value addition and pest & disease in vegetables. With DFI interventions like trainings, EDP- value addition, training on pest and disease management in vegetable cultivation. She is getting annual income of Rs. 99266.00. In addition, there is cost saving of Rs.54987.00 in the production of rubber, vegetables and value addition.



Value addition for DFI



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Thiruvananthapuram
Thiruvananthapuram

Name of farmer: Bindu D
Address: Rajubhavan, Maniyanpara,
Pachapaluvally P.O.

Kerala:
Age: 52
Education: HSSC
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.)
Livestock 1	Poultry	0.01	10No	9800.00	3000.00
Other enterprise	Value addition	1 No	3.78 q	60200.00	45000.00
EDP- Value addition					
Total				70000	48000

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
Livestock 1	Poultry	0.01	15 No	10600.00	6900.00	50.00	130.00
Other enterprise	Value addition	1 unit	6.6 q	62000.00	115000.00	> 100	> 100
EDP- Value addition							
Total				72600	121900		153.96

Brief: The farmer used to get annual income of Rs.48200.00 from poultry and value addition. She faced problems like marketing, lack of knowledge in value addition. With DFI interventions like trainings, EDP-value addition. She is getting annual income of Rs. 121900.00. In addition, there is cost saving of Rs.73900.00 in the production of poultry and value addition.



Value addition for DFI





Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Name of farmer: Sheerifa Beevi

Address: Shafeek Villa, Kalamachal P.O.Vamanapuram

Kerala

Age: 58

Education: SSLC

Size of land holding (in acre): 1.2

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	Tuber crop	1.0 Acre	12 q	12000.00	14000.00
Livestock 1	Poultry	0.01	7 No	9000.00	3800.00
Other enterpriseEDP-Value addition	Value addition	1 unit	1.5 q	43650.00	28900.00
Total				64650	46700

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	Tuber crop	1.0 acre	15.0 q	37500.00	27500.00	25.00	96.43
Livestock 1	Poultry	0.01	16 No	10900.00	7300.00	> 100	> 100
Other enterpriseEDP-Value addition	Value addition	1 unit	6.9 q	75000.00	120000.00	> 100	> 100
Total				123400	154800		231.48

Brief: The farmer used to get annual income of Rs.46700.00 from tuber crop, poultry and Value addition. She faced problem lack of awareness on value addition. With DFI interventions like EDP on value addition banana and tapioca. She is getting annual income of Rs. 154800.00. In addition, there is cost saving of Rs. 108100.00 in the production tuber crops, poultry and value addition.



Value addition for DFI



Effect of DFI intervention

**Name of KVK: Mitraniketan KVK (ICAR)
Thiruvananthapuram**

Name of farmer: Rema Devi R
Address: Perumal, Muthupuram, Vinobaniketan P.O.
Tholicode, Thiruvananthapuram
Kerala:
Age: 59 Education:
Degree
Size of land holding (in acre): 0.75

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	Tuber crop	0.15	24 q	29000.00	19050.00
Hort. Crop 1	Vegetables	0.40	0.60 q	12000.00	4000.00
Livestock 1	Poultry	0.01	7 No	9000.00	3000.00
Total				50000	26050

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	Tuber crop	0.25	35 q	45000.00	38000.00	45.83	99.48
Hort. Crop 1	Vegetables	0.40	0.89 q	18600.00	8600.00	> 100	> 100
Livestock 1	Poultry	0.01	15 No	10800.00	7200.00	> 100	> 100
Total				74400	53800		106.53

Brief: The farmer used to get annual income of Rs.26050.00 from vegetable, tuber crop cultivation and poultry farm (Small scale). She faced problems like low income from raw produce and pest and disease in vegetables. With DFI interventions training on high yield poultry variety, training on vegetable cultivation. She is getting annual income of Rs.53800.00. In addition, there is cost saving of Rs.27750.00 in the production of tuber crops, vegetable and poultry.



Vegetable cultivation for DFI



Name of farmer: Vasantha S Nair

Address: Sree Nilayam Sabarmathi line, Venjaramoodu, Nellanad, Vamanapuram

Kerala:

Age: 67

Education: SSLC

Size of land holding (in acre): 0.20

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.)
Hort. Crop 1	Vegetables	0.04	0.92 q	4364.00	2804.00
Livestock 1	Poultry	0.01	12 No	8700.00	3200.00
Other enterprise	Value addition	1 No	2.40 q	45000.00	62000.00
Total				58064	68004

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.04	1.68 q	7266.00	6266.00	82.61	123.47
Livestock 1	Poultry	0.01	15 No	10000.00	7200.00	> 100	> 100
Other enterprise	Value addition	1 unit	6.6 q	62000.00	145000.00	> 100	> 100
Total				79266	158466		133.02

Brief: The farmer used to get annual income of Rs.68004.00 from poultry and value addition. She faced problems like marketing, lack of knowledge in value addition. With DFI interventions like trainings, EDP-value addition. She is getting annual income of Rs. 158466.00 In addition, there is cost saving of Rs.90462.00 the production of vegetables, poultry and value addition.



Value addition for DFI



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR)

**Thiruvananthapuram
Thiruvananthapuram**

**Name of farmer: Marykutty P J Address:
Nalamkal, Chambottumpara,
Vinobaniketan P.O. - 695542**

Kerala:

Age: 46 Education:

Degree

Size of land holding (in acre): 0.15

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.)
Hort. Crop 1	Vegetables	0.05	0.92 q	4564.00	2704.00
Livestock 1	Poultry	0.01	12No	9000.00	3200.00
Other enterprise	Value addition	1 unit	0.80 q	20000.00	15000.00
Total				33564	20904

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.05	1.68 q	7266.00	6266.00	82.61	131.73
Livestock 1	Poultry	0.01	15 No	10000.00	7000.00	> 100	> 100
Other enterprise (Specify)	Value addition	1 unit	1.0 q	67625.00	40000.00	> 100	> 100
Total				84891	53266		154.81

Brief: The farmer used to get annual income of Rs.20904.00 from vegetables cultivation, poultry in homestead and value addition. She faced problems like lack of knowledge in value addition, marketing and pest & disease management in vegetables. With DFI interventions like trainings, EDP on value addition, training on vegetable cultivation. She is getting annual income of Rs. 53266.00. In addition, there is cost saving of Rs.32362.00 from the production of vegetables, poultry and value addition.



Value addition for DFI



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Name of farmer: Bindhu L
 Address: Surendra Bhavan,
 Sasthampara, Maruthamala
 P.O. -695551.

Thiruvananthapuram

Kerala:
 Age: 48 Education:
 S.S.L.C
 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	Mushroom beds	100 No	0.6 q	24000.00	10000.00
Other enterprise (Value addition)	Value addition	1 unit	0.70 q	19650.00	8900.00
Total				43650	18900

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	Mushroom beds	200 No	1.2 q	48000.00	20000.00	100.00	100.00
Other enterpriseEDP-Value addition	Value addition	1 unit	1.5 q	58000.00	26000.00	> 100	> 100
Total				106000	46000		143.39

Brief: The farmer used to get annual income of Rs.18900.00 from Mushroom cultivation and Value addition. She faced the problem, lack of awareness on value addition of mushroom. With DFI intervention, EDP on value addition. She is getting an annual income of Rs.46000.00. In addition, there is cost saving of Rs. 27100.00 from the production mushroom, fish farming and value addition.



Value addition for DFI



Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Name of farmer: Renjitha L R
Address: Aromal house,
Champottumpara,
Vinobaniketan P.O. - 695542

Name of KVK: Mitraniketan KVK (ICAR)
Thiruvananthapuram

Kerala:

Age: 36

Education: +2

Size of land holding (in acre): 0.65

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	Rubber	0.60	3.16 q	32000.00	24000.00
Hort. Crop 1	Vegetables	0.05	0.94q	4500.00	2700.00
Other enterprise	Value addition	1 unit	0.3 q	13650.00	8900.00
EDP- Value addition					
Total				50150	35600

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	Rubber	0.60	4.5 q	60000.00	47000.00	42.41	95.83
Hort. Crop 1	Vegetables	0.05	1.70 q	7200.00	6500.00	> 100	> 100
Other enterprise	Value addition	1 unit	0.6 q	25650.00	17900.00		
EDP- Value addition						> 100	> 100
Total				92850	71400		100.56

Brief: The farmer used to get annual income of Rs.35600 from vegetable cultivation and value addition. She faced problems like lack of awareness on pest and disease in vegetable cultivation. With DFI interventions like trainings, EDP, training on vegetable cultivation and pest and disease management. She is getting annual income of Rs.71400. In addition, there is cost saving of Rs.35800.00 in the production of vegetables and by poultry farming.



Vegetable cultivation for DFI





Name of farmer: Minimol M
Address: M M Bhavan,
Champottumpara,
Vinobaniketan P.O. - 695542

Kerala:

Age: 42 Education:

S.S.L.C

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	Tapioca	0.2	4.0 q	5000.00	3500.00
Hort. Crop 1	Vegetables	0.04	0.86 q	3564.00	2504.00
Other enterprise	Value	1 unit	0.70 q	19650.00	8900.00
EDP- Value	addition				
Total				28214	14904

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.2	6 q	7000.00	6500.00	50.00	85.71
Hort. Crop 1	Vegetables	0.04	1.58 q	6266.00	5266.00	> 100	> 100
Other enterprise	Value	1 unit	1.5 q	56000.00	25000.00	> 100	> 100
EDP- Value	addition						
Total				69266	36766		146.69

Brief: The farmer used to get annual income of Rs. 14904.00 from vegetable cultivation and value addition. She faced problems like marketing, lack of knowledge in value addition and pest & disease in vegetables. With DFI interventions like trainings, EDP- value addition, training on pest and disease management in vegetable cultivation. She is getting annual income of Rs. 36766.00. In addition, there is cost saving of Rs.21862.00 in the production of vegetable cultivation and value addition.



Value addition for DFI





Effect of DFI intervention

Name of KVK: Mitraniketan KVK (ICAR)

Name of farmer: Renjani L R

Address: Nitha Bhavan,
Champottumpara,
Vinobaniketan P.O. - 695542

Kerala:

Age: 46

Education: SSLC

Size of land holding (in acre): 0.75

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	Rubber	0.50	3.1 q	38000.00	24575.00
Hort. Crop 1	Vegetables	0.04	0.92 q	4664.00	2800.00
Livestock 1	Poultry	0.01	12 No	8000.00	3500.00
Other enterprise	Value addition	1 unit	0.3 q	10000.00	7000.00
Total				60664	37875

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	Rubber	3	4.5 q	63000.00	47075.00	45.16	91.56
Hort. Crop 1	Vegetables	0.04	1.68 q	7400.00	6300.00	> 100	> 100
Livestock 1	Poultry	0.01	15 No	10000.00	7000.00	> 100	> 100
Other enterprise (EDP- Value addition)	Value addition	1 unit	0.6q	25000.00	17000.00	100.0	142.86
Total				105400	77375		104.29

Brief: The farmer used to get annual income of Rs. 37875.00 from vegetable cultivation and value addition. She faced problems like lack of awareness on pest and disease in vegetable cultivation. With DFI interventions like trainings, EDP, training on vegetable cultivation and pest and disease management. She is getting annual income of Rs.77375.00. In addition, there is cost saving of Rs.39500.00 in the production of vegetables, poultry farming and value addition.



Value addition for DFI



Vegetable cultivation for DFI



Name of farmer: Latha S
Address: Latha Bhavan,
Thazhambannor karikkakam,
Bharathanoor P.O.
Thiruvananthapuram

Kerala:

Age: 49 Education:

S S L C

Size of land holding (in acre): 0.20

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.)
Hort. Crop 1	Vegetables	0.05	0.92 q	4500.00	2700.00
Livestock 1	Poultry	0.01	20 No	7500.00	4200.00
Total				12000.00	6900.00

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 2	Vegetables	0.05	1.5	8000.00	7000.00	63.04	159.26
Livestock 1	Poultry	0.01	30 No	10000.00	9000.00	> 100	> 100
Total				18000	16000		131.88

Brief: The farmer used to get annual income of Rs. 6900.00 from vegetables cultivation and poultry. She faced problems pest & disease management in vegetables. With DFI interventions like training on vegetable cultivation and value addition. She is getting annual income of Rs. 16000.00 In addition, there is cost saving of Rs.9100.00 in the vegetables cultivation and value addition .



Value addition for DFI



Effect of DFI intervention

Name of KVK: MitraniKETan KVK (ICAR)

Name of farmer: Sindhu Kumari S

Address: Avin Bhavan,

Champottumpara,

Vinobaniketan P.O. - 695542

Kerala:

Age: 46 Education:

S S L C

Size of land holding (in acre): 0.20

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.)
Hort. Crop 1	Vegetables	0.05	0.87	3500.00	2500.00
Other enterprise	Value addition	1 unit	0.3 q	9000.00	7000.00
Total				12500	9500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.05	1.58	6500.00	5200.00	81.61	108.00
Other enterprise(EDP-Value)	Value addition	1 unit	0.5q	23000.00	19000.00	> 100	> 100
Total				29500	24200		154.74

Brief: The farmer used to get annual income of Rs.9500.00 from vegetables cultivation and value addition. She faced problems like marketing, pest & disease management in vegetables. With DFI interventions like training on vegetable cultivation. She is getting annual income of Rs.24200.00. In addition, there is cost saving of Rs.14700.00 in the vegetables cultivation and livestock .



Vegetable cultivation for DFI





Name of farmer: Sara Stephan
Address: Kokothamangalam, Mundela (P.O),
 Trivandrum, Kerala
Kerala:
Age: 62
Education: SSLC
Size of land holding (in acre): 0.2

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	Tapioca	0.2	3.5 q	5250.00	3275.00
Hort. Crop 1	Vegetables	0.04	0.8 q	3600.00	2700.00
Other enterprise EDP-Value addition	Value addition	1 unit	0.78q	18200.00	7460.00
Total				27050	13435

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Tapioca	0.2	4 q	8000.00	6800.00	14.29	107.63
Hort. Crop 1	Vegetables	0.04	1.58 q	7000.00	6000.00	> 100	> 100
Other enterprise EDP-Value addition	Value addition	1 unit	1.05 q	29625.00	15000.00	> 100	> 100
Total				44625	27800		106.92

Brief: The farmer used to get annual income of Rs. 13435.00 from tapioca, vegetables cultivation and value addition. She faced problems like marketing, lack of knowledge in value addition and pest & disease in vegetables. With DFI interventions like trainings, EDP value addition in tapioca, training on vegetable cultivation, she is getting annual income of Rs 27800.00 In addition, there is cost saving of Rs.15365.00 in the production of 1.05q.



Vegetable cultivation for DFI



Name of farmer: Sulatha Sasi
Address: Brindavanam, Yenikunnu,
 Bharathanoor (P.O)
Kerala:
Age: 55
Education: SSLC
Size of land holding (in acre): 0.4

Name of KVK: Mitraniketan KVK (ICAR)
 Thiruvananthapuram

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables	0.40	0.60 q	12000.00	4000.00
Other enterprise	Value addition	1 unit	0.3 q	8000.00	4500.00
EDP- Value addition					
Total				20000	8500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Vegetables	0.40	0.89 q	18600.00	8600.00	48.33	115.00
Other enterprise	Value addition	1 unit	0.7 q	19650.00	12000.00	> 100	> 100
EDP- Value addition							
Total				38250	20600		142.35

Brief: The farmer used to get annual income of Rs 8500.00 from vegetable cultivation, poultry farm (Small scale) and value addition in banana. She faced problems like low income from raw produce and lack of awareness on value addition and poultry. With DFI interventions like EDP- value addition, training on high yield poultry variety, training on vegetable cultivation, she is getting annual income of Rs. 20600.00. In addition, there is cost saving of Rs.121000.00 in the production of 0.7q



Value Addition for DFI

Effect of DFI intervention



Name of farmer: Umaima Beevi
Address: VP/10/600, Vellanad
 Kerala:
Age: 58 **Education:**
 S.S.L.C
Size of land holding (in acre):0.20

Name of KVK: Mitraniketan KVK (ICAR)
 Thiruvananthapuram

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.)
Livestock 1	Poultry	0.01	30 NO	18750.00	8750.00
Other enterprise (Specify)	Value addition	1 unit	0.70 q	19650.00	8900.00
Total				38400	17650

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
Livestock 1	Poultry	0.02	40 NO	22800.00	18800.00	33.33	114.86
Other enterprise EDP- Value addition	Value addition	1 unit	1.5 q	58000.00	26000.00	> 100	> 100
Total				80800	44800		153.82

Brief: The farmer used to get annual income of Rs.17650.00 from poultry, Goat and Value addition. She faced problems like lack of awareness on value addition, Goat and poultry farming. With DFI interventions like EDP on value addition banana, she is getting annual income of Rs.44800.00 In addition, there is cost saving of Rs. 27150.00 in the production of 1.5q.



Value Addition for DFI



Name of KVK: Mitraniketan KVK (ICAR)
Thiruvananthapuram

Name of farmer: Thulasi Jayapakash
Address: J.J Cottage, Mithirmala (P.O), Kallara,
Vamanpauram, Thiruvananthapuram
Kerala:
Age: 58
Education: U.G
Size of land holding (in acre):6.4

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	Rubber	6.0	1.9 q	224000.00	126480.00
Field Crop 2	Tuber crop	0.20	2.6 q	25200.00	28000.00
Hort. Crop 1	Vegetables	0.20	0.7 q	24000.00	18000.00
Other enterprise	Value addition	1 No	2.40 q	45000.00	62000.00
EDP- Value addition	n				
Total				318200	234480

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	Rubber	6.0	2.4 q	292000.00	256000.00	26.32	102.40
Field Crop 2	Tuber crop	0.20	4.0 q	65000.00	58000.00	> 100	> 100
Hort. Crop 1	Vegetables	0.20	1.5q	58000.00	36000.00	> 100	> 100
Other enterprise	Value addition	1 unit	6.6 q	62000.00	145000.00		
EDP- Value addition	n					175.00	133.87
Total				477000	495000		111.11

Brief: The farmer used to get annual income of Rs. 234480.00 from rubber, tuber crops, vegetable cultivation and value addition etc. She faced problems like lack of awareness on high yield tuber crop varieties, inter cropping vegetable cultivation and value addition in tapioca. With DFI interventions like value addition in tuber crops, vegetable cultivation and pest and disease management in vegetables. She is getting annual income of Rs 495000. In addition, there is cost saving of Rs. 261000.00 in the production of 85.6 Q.



Value Addition for DFI





Name of farmer: Sunitha Kumari
Address: Mavadithala veedu, chenkal (p.o)
Kerala:
Age: 42
Education: H.S.S.C
Size of land holding (in acre): 2.0

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	Tapioca	0.2	3 Q	5200.00	3500.00
Hort. Crop 1	Banana	0.25	20 Q	70000.00	40000.00
Hort. Crop 2	Vegetables	0.25	12 Q	38000.00	18000.00
Total				113200	61500

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Tapioca	0.2	5.2 q	9000.00	7200.00	73.33	105.71
Hort. Crop 1	Banana	0.25	25 q	125000.00	85000.00	> 100	> 100
Hort. Crop 2	Vegetables	0.50	30 q	85000.00	42000.00	> 100	> 100
Total				219000	134200		118.21

Brief: The farmer used to get annual income of Rs. 61500.00 from Tapioca, banana and vegetable cultivation. She faced problems like pest and disease in vegetables. With DFI interventions like vegetable cultivation he is getting annual income of Rs 134200.00. In addition, there is cost saving of Rs. 72700.00 in the production of vegetables, tapioca and banana cultivation.



Vegetable Cultivation for DFI



Name of farmer: T. Venugopalan Nair
Address: Sivasailam, Pringamala P O 695563
Kerala:
Age: 70
Education: S.S.L.C., Survey Test (Retd. Village Officer)
Size of land holding (in acre): 1.89

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	2.45	71.95	197675	41375
Total	1	2.45	71.95	197675	41375

Component Description		Benchmark (Baseline period 2016-17)				% increase over base year	
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.89	46.50	182200	84210	-35.37	103.53
Total				182200	84210		103.53

Brief: The farmer used to get annual income of Rs.41375 from paddy. He faced problems like labour shortage & high labour cost. With DFI interventions like Tractor, Transplanter, Cono weeder, Paddy winnower he is getting annual income of Rs.84210. In addition, there is cost saving of Rs.58510 in the production of 46.50 q/ 1.89 acres.



Paddy Winnower Testing