

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Shambhu Shankar Rao

Address: Mandathi village, Brahmavar Tq, Udupi Dist

Karnataka

Age: 61

Education: B.com

Size of land holding (in acre): 5 ac

1) Status in 2016

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	1.00 ac	18.25 q	44000	20150
Field Crop 2	Black gram	1.00 ac	2.00 q	12000	5500
Hort. Crop 1	Arecanut	1.00 ac	5.80 q	168000	140250
Hort. Crop 2	Coconut	1.00 ac	5600 nuts	67000	51260
Hort. Crop 3	Cashew (Ullal I)	2.00 ac	9.40 q	70500	47000
Hort. Crop 4	Black pepper (inter crop in Arecanut and Coconut)	2.00 ac	1.40 q	98000	85400
Hort. Crop 5	Cocoa (inter crop in Coconut)	1.00 ac	2.40 q	46800	27700
Hort. Crop 6	Banana (inter crop in arecanut)	1.00 ac	12.00 q	28800	19100
Livestock 1	Cross breed cattle	5 no's	6200 l	179800	89900
Total				714900	486260

2) Status in 2020

Component Description		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	1.00 ac	23.00 q	53900	23790	26.03	18.06
Field Crop 2	Black gram	1.00 ac	3.10 q	21700	11600	55.00	110.91
Hort. Crop 1	Arecanut	1.00 ac	11.50 q	284200	235450	98.28	67.88
Hort. Crop 2	Coconut	1.00 ac	6700 nuts	107200	80100	19.64	56.26
Hort. Crop 3	Cashew (Ullal I)	2.00 ac	13.50 q	182250	139700	43.62	197.23
Hort. Crop 4	Black pepper (inter crop in Arecanut and Coconut)	2.00 ac	3.80 q	224200	192300	171.43	125.18
Hort. Crop 5	Cocoa (inter crop in Coconut)	1.00 ac	3.10 q	55800	39650	29.17	43.14
Hort. Crop 6	Banana (inter crop in arecanut)	1.00 ac	20.00 q	42000	26000	66.67	36.13
Livestock 1	Cross breed cattle	6 no's	10080 l	292320	146160	62.58	62.58
Livestock 2	Beekeeping	12 BOX	25 l	12500	10500	>100	>100
Other	Cashew apple Juice	-	1100 l	110000	85000	>100	>100
Other	Kokum juice	-	350 l	35000	25000	>100	>100
Total				1421070	1015250	-	108.79

Brief: The farmer was getting net annual income of Rs. **486260/-** from Paddy, Black gram, Arecanut, Coconut, Black pepper, Banana, Dairy, Cashew, cocoa. He faced problems like low yield, disease incidence, nutritional disorders etc. With DFI interventions like varietal introduction, IPDM, ICM and IFS module. He is getting net annual income of Rs. **1015250 /-**. In addition, there is cost saving of Rs. 4000/- through DSR method of Paddy cultivation.



After Intervention of DSR method of paddy for cost reduction in paddy



Arecanut and Black pepper inter cropping

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Rajesh Poojary

Address: Kalthuru, Santhekatte

Karnataka

Age: 35

Education: B.com

Size of land holding (in acre): 7.5 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.25 ac	30.00 q	36000	16000
Hort. Crop 1	Arecanut	3.15 ac	10.00 q	250000	175000
Hort. Crop 2	Coconut	2.00 ac	30.00 q	60000	30000
Hort. Crop 3	Pepper (Inter crop)	1.00 ac	2.00 q	70000	40000
Hort. Crop 4	Banana (Inter crop)	1.00 ac	35.00 q	70000	35000
Hort. Crop 5	Cashew, Ginger (Inter crop)	1.00 ac	20.00 q	60000	30000
Hort. Crop 6	Vegetables	0.5 ac	15.00 q	30000	20000
Livestock 1	Cattles (CB cows)	5 no's	2100 l	60900	30450
	Poultry birds	50 no's	1.5 q	25000	10000
Total				661900	386450

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.25 ac	40.00 q	72000	42000	33.33	162.50
Hort. Crop 1	Arecanut	3.15 ac	26.00 q	1066000	891000	160.00	409.14
Hort. Crop 2	Coconut	2.00 ac	50.00 q	200000	150000	66.67	400.00
Hort. Crop 3	Pepper (Inter crop)	3.00 ac	9.00 q	360000	260000	350.00	550.00
Hort. Crop 4	Banana (Inter crop)	2.00 ac	12.00 q & 125000 leaves	36000+ 187500	186500	-65.71	432.86
Hort. Crop 5	Cashew, Ginger(Inter crop)	0.50 ac	20.00 q	80000	40000	0.00	33.33
Hort. Crop 6	Vegetables (inter crop)	0.50 ac	10.00 q	25000	15000	-33.33	-25.00
	Cashew	1.00 ac	2.00 q	25000	20000	>100	>100
	Cocoa (Inter Crop)	1.00 ac	5.00 q	35000	20000	>100	>100
Livestock 1	Cattles (Local cows)	10 no's	4500 l	144000	73000	114.29	139.74
	Poultry birds	100 no's	3.25 q	80000	40000	116.67	300.00
	Bee keeping	10 box	0.50 q	20000	17000	>100	>100
Total				2330500	1754500		354.00

Brief: The farmer was getting annual income of Rs. **386450/-** from Paddy, Arecanut, Coconut, black pepper, banana, Dairy, Poultry, Ginger and vegetables. He was facing problems like nut drop and nut split in Arecanut, Foot rot disease in Black Pepper, button shedding in Coconut. Due to the DFI interventions like multistoried coping system in Coconut and Arecanut gardens as a result his income raised to Rs. **1754500/-**. He got many awards like District level best farmer award, ATMA best farmer award, KSDA Udayonmukh Krishik Award.



Banana Intercrop in Arecanut



Black pepper plot



Ginger inter cropping in
young Cashew plantation

Effect of DFI intervention Name of KVK: KVK, Udupi



Name of farmer: Sathesh Modya
Address: Shirlala village, Karkala TQ, Udupi dist
Karnataka
Age: 56
Education: 8th STD
Size of land holding (in acre): 3.0

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.50 ac	24.75 q	34650	14650
Hort. Crop 1	Arecanut	1.00 ac	7.50 q	187500	87500
Hort. Crop 2	Black pepper(Intercrop in Arecanut & coconut)	1.00 ac	2.10 q	168000	133000
Hort. Crop 3	Coconut	0.50 ac	1650 nuts	13200	6700
Hort. Crop 4	Vegetable (Paddy fallow intercrop)	0.50 ac	4.50 q	11280	3750
Livestock 1	Dairy CB Cows	8 no's	9360 l	299520	149760
Total				714150	395360

2) Status in 2020

Component Description		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 cum poultry	1.50 ac 50 birds(Meat)	28.50 q 1.5 q	62700 37500	40700 18750	15.15 >100	177.82 >100
Hort. Crop 1	Arecanut	1.00 ac	13.75 q	563750	353750	83.33	304.29
Hort. Crop 2	Black pepper(Intercrop in Arecanut)	1.00 ac	4.50 q	139500	118500	114.29	-10.90
Hort. Crop 3	Coconut	0.50 ac	2340 nuts	42120	37620	41.82	461.49
Hort. Crop 4	Vegetables	0.50 ac	18.00 q	45000	43100	300.00	1049.33
Livestock 1	CB cows	10 no's	15600 l	499200	249600	66.67	66.67
Total				1389770	862020	-	118.03

Brief: The farmer was getting net annual income of Rs. **395360/-** from paddy, arecanut, black pepper, vegetables, coconut, Dairy. He faced problems like chaffyness in paddy, nut drop in arecanut foot rot disease in black pepper and low yield in vegetables. With DFI interventions like ICM in paddy and paddy cum poultry demonstration, IFS demonstration, ICM in black pepper and Arecanut, Introduction of Arka Mangala and other vegetable. He is getting net annual income of Rs. **862020/-**.



Introduction of Spine Gourd Arka Bharath



ICM in Brinjal

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Dayananda Naik

Address: S/O Ramanna Nayak, Shirlal village & Kervashe post, Karkala Tq

Karnataka

Age: 48

Education: PUC

Size of land holding (in acre): 3.00 Ac

1) Status in 2016

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	0.50 ac	6.00 q	10400	5400
Hort. Crop 1	Arecanut	1.00 ac	5.20 q	130000	65000
Hort. Crop 2	Coconut	1.00 ac	3000 nuts	24000	12000
Hort. Crop 3	Vegetables	0.50 ac	8.00 q	18000	10000
Livestock 1	Dairy	4 no's	5040 l	146160	73080
Total				328560	165480

2) Status in 2020

Component Description		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	0.50 ac	9.6 q	25120	16120	60.00	198.52
Hort. Crop 1	Arecanut	1.00 ac	11.85 q	417500	217500	127.88	234.62
Hort. Crop 2	Pepper(Intercrop)	2.00 ac	3.80 q	133000	98000	>100	>100
Hort. Crop 3	Coconut	2.00 ac	4460 nuts	63000	45000	48.67	275.00
Hort. Crop 4	Vegetables	0.60 ac	12.30 q	113000	76000	53.75	660.00
Livestock 1	Dairy (CB cows)	4 no's	6720 l	215040	107520	33.33	47.13
Total				966660	560140	-	238.49

Brief: The farmer was getting net annual income of Rs. **165480/-** from Paddy, Arecanut, Coconut, vegetables, Black pepper and Dairy. He faced problems like chaffyness in paddy, nut drop in Arecanut, foot rot disease in black pepper and low yield in vegetables. With DFI interventions like IFS demonstration, ICM in paddy, ICM in black pepper and Arecanut, Introduction of Yard long bean variety Arka Mangala and spine gourd variety Arka Bharath, Spine gourd and other vegetables. He is getting net annual income of Rs. **560140/-**. He could able to save the cost **Rs. 28000/-** unnecessary spray of pesticides, Paddy mechanization and use of fruit fly traps.



IFS demonstration



Spine gourd demonstration

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Dharnendra Jain

Address: Shirilala Village, Karkala Taluk, Udupi dist
Karnataka

Age: 54

Education: PUC

Size of land holding (in acre): 6.1 ac

1) Status in 2016

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	0.80 ac	9.00 q	13080	6550
Hort. Crop 1	Arecanut	3.60 ac	26.2 q	655000	132500
Hort. Crop 2	Black pepper	500 plants	0.90 q	72000	57000
Hort. Crop 3	Coconut	1.20 ac	6000 nuts	48000	30000
Hort. Crop 4	Vegetables (paddy fallow land)	0.20 ac	3.50 q	8750	5250
Livestock 1	Dairy (CB cows)	5 no's	6300 l	182700	91350
Total				979530	322650

2) Status in 2020

Component Description		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	0.80 ac	14.00 q	23100	14300	55.56	118.32
Hort. Crop 1	Arecanut	3.60 ac	32.4 q	1264000	904000	23.66	582.26
Hort. Crop 2	Black pepper	500 no's	1.8 q	55800	40800	100.00	-28.42
Hort. Crop 3	Coconut	1.2 ac	8800 nuts	149600	121800	46.67	306.00
Hort. Crop 4	Vegetables	0.5 ac	9.00 q	22500	15000	157.14	185.71
Hort. Crop 5	Banana(Intercrop in coconut)	1.2 ac	54.50 q	151200	95600	>100	>100
Livestock 1	Dairy (CB cows)	8 no's	41600 l	1331200	665600	560.32	628.63
Total				2997400	1857100	-	475.58

Brief: The farmer was getting net annual income of Rs. **322650/-** from paddy, arecanut, coconut, vegetables, pepper, banana and dairy. He faced problems like lodging in paddy, nut drop in arecanut foot rot disease in black pepper and low yielding vegetables and milk yield. With DFI interventions like IFS demonstration, ICM and varietal introduction in paddy, ICM in black pepper and Arecanut, Introduction of Arkamangala and other vegetable. He is getting net annual income of Rs. **1857100/-**.



Vegetables Demonstration



Paddy Sahyadri Panchamukhi
Demonstration

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Narayana Naik

Address: Marne village, Karkala TQ, Udupi Dist

Karnataka

Age: 62

Education: B.com

Size of land holding (in acre): 3.1 ac

1) Status in 2016

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	Arecanut	1.50 ac	10.80 q	270000	95000
Hort. Crop 2	Coconut	0.57 ac	2600 nuts	19200	12400
Hort. Crop 3	Cashew	0.75 ac	2.50 q	25000	17500
Hort. Crop 4	Lemon	0.35 ac	8.00 q	30000	22000
Total				344200	146900

2) Status in 2020

Component Description		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	Arecanut	1.50 ac	13.35 q	513975	345975	23.61	264.18
Hort. Crop 2	Coconut	0.57 ac	3400 nuts	51000	36000	30.77	190.32
Hort. Crop 3	Cashew	0.75 ac	4.20 q	44100	31600	68.00	80.57
Hort. Crop 4	Lemon	0.35 ac	10.00 q	56325	44325	25.00	101.48
Total				665400	457900	-	211.71

Brief: The farmer was getting net annual income of Rs. **146900/-** from Arecanut, Coconut, cashew and lemon. He faced problems like nut drop in Arecanut, foot rot disease in black pepper. With DFI interventions like ICM in Arecanut, Coconut, Lemon and Cashew. He is getting net annual income of Rs. **457900/-** In addition, there is cost saving of Rs. 31000/- due to diagnosis of the problem at right time and right spray of required measures.



Arecanut Plot



Lemon Plot

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Padmaraj Hegde

Address: Shirlala, Karkala TQ, Udupi Dist

Karnataka

Age: 66

Education: 3rd std

Size of land holding (in acre): 3.41

1) Status in 2016

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	0.4 ac	5.30 q	7685	1885
Hort. Crop 1	Arecanut	2.5 ac	15.00 q	420000	295000
Hort. Crop 2	Coconut	0.5 ac	1750 nuts	14000	7000
Hort. Crop 3	Vegetables (Paddy fallow)	0.4 ac	6.75 q	28000	19052
Livestock 1	CB cows	6 no's	7560 l	241920	120960
Total				711605	443897

2) Status in 2020

Component Description		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	Ridge gourd	0.41 ac	17.85 q	75500	49500	>100	>100
Hort. Crop 1	Arecanut	2.50 ac	21.25 q	861000	711000	41.67	141.02
Hort. Crop 2	Coconut	0.5 ac	3015 nuts	54270	40270	72.29	475.29
Hort. Crop 3	Vegetables	0.41 ac	12.50 q	61000	34200	85.19	79.51
Hort. Crop 4	Black pepper (Intercrop)	1.50 ac	1.00 q	31000	25800	>100	>100
Livestock 1	Dairy	7 no's	10080 l	322560	161280	33.33	33.33
Livestock 2	Selling of Cow	1 no	-		43000	>100	>100
Total				1405330	1065050	-	139.93

Brief: The farmer was getting net annual income of Rs. **443897/-** from Ridge gourd, Arecanut, Coconut, Vegetables, Black pepper and dairy production. He faced problems like low productivity in almost all the crop and other enterprises. Due to the DFI interventions like IFSD, introduction of Yard long bean variety, Arka Mangala, ICM in Black pepper, Ridge gourd and capacity building programmes, field visit and timely advisories from KVK scientists. He is getting net annual income of Rs. **1065050/-**.



ICM in Ridge gourd Demonstration



Arecanut Plantation

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Sadananda Shetty

Address: S/O Narayana Shetty, Nitte village, Karkala TQ, Udupi Dist
Karnataka

Age: 38

Education: PUC

Size of land holding (in acre): 2.32

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.0 ac	11.50 q	19250	8250
Hort. Crop 1	Arecanut	1.0 ac	6.0 q	168000	103000
Hort. Crop 2	Coconut	0.32 ac	750 nuts	6000	4800
Livestock 1	Dairy(CB Cows)	2 no's	2520 l	73080	36540
Total				266330	152590

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.0 ac	18.25 q	35025	21525	58.70	160.91
Hort. Crop 1	Black gram	1.0 ac	2.15 q	19350	14150	>100	>100
Hort. Crop 2	Arecanut	1.0 ac	11.20 q	425600	275600	86.67	167.57
Hort. Crop 3	Coconut	0.32 ac	1275 nuts	19125	13125	70.00	173.44
Livestock 1	Dairy (CB Cows)	4 no's	7350 l	235200	117600	191.67	221.84
Other 1	Food catering	-	-	240000	75000	>100	>100
Other 2	Artificial Insemination		1200 no's	240000	152000	>100	>100
Total				1214300	669000	-	338.43

Brief: The farmer was getting net annual income of Rs. **152590/-** from Paddy, black gram, Arecanut, Coconut and dairy production. He faced problems like low productivity in Arecanut, Paddy and Coconut. Due to the DFI interventions like capacity building programmes, field visit and timely advisories from KVK scientists. He is getting net annual income of Rs. **669000/-**. He was deputed for six month artificial insemination training at Mysore and after undergoing training he is carrying out artificial insemination center at his village.



Arecanut plot



Paddy plot



Name of farmer: Sumathi Shetty
Address: Saibara katte, Brahmavar TQ, Udupi Dist
 Karnataka
Age: 46
Education: 4th std
Size of land holding (in acre): 1.5 ac

1) Status in 2016

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	0.75 ac	8.00 q	11200	7200
Hort. Crop 1	Coconut	0.50 ac	1350 nuts	10800	4800
Hort. Crop 2	Arecanut	0.25 ac	1.74 q	48720	28720
Hort. Crop 3	Jasmine	0.10 ac	0.15 q	150000	75000
Total				220720	115720

2) Status in 2020

Component Description		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	0.75 ac	12.0 q	21000	20950	50.00	190.97
Hort. Crop 1	Coconut	0.50 ac	2220 nuts	33300	24300	64.44	406.25
Hort. Crop 2	Arecanut	0.25 ac	2.75 q	112750	77750	58.05	170.72
Hort. Crop 3	Jasmine	0.10 ac	0.35 q	250000	175000	133.33	133.33
Hort. Crop 4	Fodder	0.15 ac	1.60 q	-	-	>100	>100
Livestock 1	Dairy	4 no's	6720 l	215040	107520	>100	>100
	1 cow sold				33000	>100	>100
Total				632090	438520	-	278.95

Brief: The farmer was getting net annual income of Rs. **115720/-** from Paddy, Arecanut, Coconut, jasmine and dairy production. She faced problems like low productivity in Jasmine, Arecanut and Coconut. Due to the DFI interventions like capacity building programmes, field visit and timely advisories from KVK scientists. She is getting net annual income of Rs. **438520/-**.



Pruning in Jasmine demo plot



Paddy plot

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Dharani

Address: Nitte village & post, Karkala TQ, Udupi
Karnataka

Age: 31

Education: SSLC

Size of land holding (in acre): 5.53

1) Status in 2016

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 ac	28.75 q	48125	18125
Hort. Crop 1	Arecanut	1.5 ac	11.28 q	315000	195000
Hort. Crop 2	Coconut	1.53 ac	3850 nuts	30800	8800
Livestock 1	Cow(CB)	2 no's	2520 l	73080	36540
Total				467005	258465

2) Status in 2020

Component Description		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 ac	44.80 q	86160	51160	55.83	182.26
Hort. Crop 1	Black gram	2.5 ac	5.37 q	48330	33330		
Hort. Crop 2	Arecanut	1.5 ac	14.25 q	541500	316500	26.33	62.31
Hort. Crop 3	Coconut	1.53 ac	4490 nuts	94620	59620	63.84	577.50
Livestock 1	Dairy Cow(CB)	5 no's	8615 l	277200	138600	241.87	279.31
Total				1047810	599210	-	131.83

Brief: The farmer was getting net annual income of Rs. **258465/-** from Paddy, Black gram, Arecanut, Coconut and dairy production. Due to lack of Scientific cultivation, he has faced problems like low productivity in paddy, Arecanut, Dairy farming etc. After the KVK interventions like capacity building programmes, field visit and timely advisories from KVK scientists. He is getting net annual income of Rs. **599210/-**.



Paddy field and Arecanut plantation



Name of farmer: H. Udaya Bhaskar Shetty

Address: "Pradveesha" Heggunje Dodmane, Mandarthi, Brahmavar tq, Udupi Dist
Karnataka

Age: 62

Education: M. A. B.Ed

Size of land holding (in acre): 4.00

1) Status in 2016

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	1.10 ac	18.00 q	27000	15000
Hort. Crop 1	Coconut	1.00 ac	2000 nuts	16000	10200
Hort. Crop 2	Arecanut	0.50 ac	1.80 q	50400	15400
Hort. Crop 3	Cashew	0.50 ac	0.50 q	7500	5500
Hort. Crop 4	Black Pepper (Intercrop)	100 no's	0.50 q	37500	33100
Livestock 1	Cow	1 no.	410 l	11890	5945
Total				150290	85145

2) Status in 2020

Component Description		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	1.10 ac	20.00 q	35000	23000	11.11	53.33
Hort. Crop 1	Coconut	1.00 ac	3250 nuts	48750	41950	62.50	311.27
Hort. Crop 2	Arecanut	0.50 ac	5.22 q	214020	134020	190.00	770.26
Hort. Crop 3	Cashew	0.50 ac	1.25 q	12500	6500	150.00	18.18
Hort. Crop 4	Black Pepper (Intercrop)	100 no's	1.2 q	37200	33400	140.00	0.91
Livestock 1	Cow	2 no's	2520 l	80640	40320	514.63	578.22
Total				428110	279190	-	227.90

Brief: The farmer was getting net annual income of Rs. **85145/-** from Paddy, Coconut, Arecanut, Cashew Black pepper and Dairy etc. He faced problems like yield loss due to nut dropping in Coconut and Arecanut. With DFI interventions like INM in Coconut, ICM in Black pepper, Capacity building programmes, Exposure visit and timely advise from KVK Scientists. He is getting net annual income of Rs **279190** /-.



Arecanut and Coconut plantation



Name of farmer: Jayananda Poojary
Address: S/O Kariya Poojary, Shirlalu, Karkala Tq. Udupi Dt.
 Karnataka
Age: 37
Education: SSLC
Size of land holding (in acre): 1.75 Acres

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Numbe	Production (Q/Liter/No.	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	0.50 ac	6.50 q	10470.00	5985.00
Hort. Crop 1	Arecanut	0.75 ac	6.21 q	173880.00	130320.00
Hort. Crop 2	Black pepper(Intercrop)	60 no's	0.69 q	33120.00	25620.00
Livestock 1	Cross breed	2 no's	1890 l	54810.00	28300.00
Total				272280.00	190225.00

2) Status in 2020

Component Description		Period 2020-21				% increase over base	
Components	Names	Area (Acre)/No	Production (Q/Liter	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	0.50 ac	7.10 q	10100	6800	9.23	13.67
Hort. Crop 1	Arecanut	0.75 ac	7.35 q	279300	189700	18.35	45.56
Hort. Crop 2	Black pepper (Inter crop)	230 no's	2.87 q	111930	94650	287.00	269.00
Hort. Crop 3	Ridge gourd (Paddy fallows)	0.20 ac	11.93 q	19680	15180	>100	>100
Hort. Crop 5	Spine gourd (Paddy fallows)	0.1 ac	1.25 q	10250	7350	>100	>100
Hort. Crop 6	Brinjal (Paddy fallows)	0.2 ac	19.10 q	35335	27085	>100	>100
Livestock 1	Cross breed cows	4 no's	4530 l	143790	74890	140.00	164.63
Other enterprise	Honey bee box	3 no's	0.05 q	2500	1850	>100	>100
Total				612885	417505	-	119.48

Brief: The farmer was getting net annual income of **Rs.1,90,225** from paddy, arecanut, black pepper and milking two cross breed cows. He faced problems like foot rot disease in black pepper, imbalanced nutritional management in arecanut and low yielding varieties of vegetable crops. With DFI interventions like FLD'S on foot rot management in black pepper and demonstration of improved variety Arka Prasan, ridge gourd variety and capacity building programmes on nutrient management in arecanut. He is getting net annual income of **Rs 417505/-**



FLD on Introduction of Ridge gourd Arka Prasan



Name of farmer: Sampath Kumar Shetty
 Address: S/O Bhaskar Shetty, Gardar bettu, Kanbettu, Kuchoor
 Post 576112 Hebri Taluk,Udupi Dt.
 Karnataka
 Age: 35
 Education: BCA
 Size of land holding (in acre): 4.28 Acres

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.50 ac	25.00 q	37500	22750
Hort. Crop 1	Arecanut	1.58 ac	6.00 q	192000	130320
Hort. Crop 2	Coconut	0.50 ac	1900 no's	19000	15528
Hort. Crop 3	Black pepper (Intercrop)	0.36 ac (200 vines)	0.95 q	45600	25620
Hort. Crop 4	Ginger	0.70 ac	11.25 q	28125	18600
Hort. Crop 5	Ash gourd (Paddy fallows)	0.50 ac	81.00 q	16200	28300
Hort. Crop 5	Cucumber (Paddy fallows)	0.25 ac	22.00 q	11000	6400
Hort.Crop 6	Brinjal (Paddy fallows)	0.25 ac	16.50 q	12375	6900
Total				361800	254418

2) Status in 2020

Component Description		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	Arecanut	3.28 ac	12.50 q	546250	333050	108.33	155.56
Hort. Crop 2	Black pepper (Inter crop)	1.87 ac(1020 Vines)	5.30 q	206700	130200	457.89	408.20
Hort. Crop 3	Coconut	0.50 ac	3250 nuts	48750	45150	71.05	190.77
Hort. Crop 4	Cashew	0.40 ac	0.95 q	10450	6950	>100	>100
Other enterprise	Nursery	0.10 ac	3000 no's	90000	63000	>100	>100
Total				902150	578350		127.32

The farmer was getting net annual income of Rs. **254418** from Paddy, arecanut, black pepper, vegetables and coconut. He faced problems like low yield in paddy, black pepper, arecanut and vegetable crops. With DFI interventions like Foot rot disease management in black pepper and skill training in nursery management . He is getting net annual income of Rs **5,78,350**.



Demonstration of FLD on Foot rot management in Black pepper



Name of farmer: Smt. Sujatha Shetty
 Address: W/O Ranjith Shetty, Kattemane, Mandarthi, Heggunje,
 Brahmavar Taluk, Udupi Dt.
 Karnataka
 Age: 35
 Education: BA
 Size of land holding (in acre): 1.25 Acres

1) Status in 2016

Component Description ⁷⁰		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	0.85 Ac	8.50 Q	12750	6850
Hort. Crop 1	Coconut	0.30 Ac (20 No's)	1640 (Coconuts)	18040	14140
Hort. Crop 2	Papaya	0.10 Acres (80No's)	36.00 Q	32400	23,900
Livestock 1	Cross breed cow	1 No's	1680 L	47040	26020
Total				110230	70910

2) Status in 2020

Component Description		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	Black pepper (Inter crop in Coconut and border trees)	50 No's (0.10 acres)	0.68Q	26520	19600	>100	>100
Hort. Crop 3	Coconut	0.30 acres (20 No.s)	2200 (Coconuts)	29700	21100	34.14	49.22
Hort. Crop 4	Jasmine	85 plants (0.15 acres)	0.45 Q	137500	82300	100	100
Livestock 1	Cross breed cow	2 No's	3150 L	107100	56050	87.50	115.41
Other enterprise	Nursery	0.15 Ac	12500 No's	312500	138600	>100	>100
Total				613320	317650.00	-	347.96

The farmer was getting net annual income of **Rs.70910** from Paddy, Papaya coconut and milking cows. She faced problems like low yield in paddy and papaya. With DFI interventions like FLD's on demonstration of pruning and market linkage in Udupi jasmine and skill training in nursery management. She is getting net annual income of **Rs 317650**.



Establishment Nursery after training



Management of Wilt in Jasmine



Name of farmer: Sadananda Naik

Address: Marne village

Karnataka Age:

Education:

Size of land holding (in acre): 2.6 ac

1) Status in 2016

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	1.00 ac	9.00 q	18500	10300
Hort. Crop 1	Arecanut	0.50 ac	4.00 q	100000	56000
Hort. Crop 2	Coconut	0.50 ac	1000 nuts	11666	7166
Hort. Crop 3	Lemon	0.40 ac	6.00 q	50000	2200
Hort. Crop 4	Jasmine	0.20 ac	0.047 q	35100	27500
Livestock 1	Dairy (CB)	2 no's	2340 l	74880	37440
Total				290146	140606

2) Status in 2020

Component Description		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	1.00 ac	18.90 q	38075	26075	110.00	153.16
Hort. Crop 1	Arecanut	0.50 ac	8.91 q	347490	197490	122.75	252.66
Hort. Crop 2	Coconut	0.50 ac	1525 nuts	27450	20950	52.50	192.35
Hort. Crop 3	Lemon	0.40 ac	15.00 q	50000	34000	150.00	1445.45
Hort. Crop 4	Jasmine	0.20 ac	0.095 q	48150	31300	101.68	13.82
Livestock 1	Dairy(CB)	3 Nos	3120 l	99840	49920	33.33	33.33
Total				611005	359735	-	155.85

Brief: The farmer was getting net annual income of Rs. **140606/-** from Paddy, Arecanut, Coconut, lemon, jasmine and dairy production. He faced problems like nut drop in Arecanut & Coconut, Bacterial wilt in lemon, die back and leaf spot disease in jasmine etc. Due to the DFI interventions like capacity building programmes, field visit and timely advisories from KVK scientists he is getting net annual income of Rs. **359735/-**.



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Devanna Naik K, S/o Chandra Naik

Address: Marne village

Karnataka

Age: 52

Education: 8th STD

Size of land holding (in acre): 4 ac

1) Status in 2016

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(k)	1.00 ac	12.50 q	20750	8750
Field Crop 2	Paddy(R)	1.00 ac	9.50 q	16250	4250
Hort. Crop 1	Arecanut	1.75 ac	12.50 q	362500	172500
Hort. Crop 2	Coconut	1.25 ac	2300 nuts	18400	9400
Livestock 1	Dairy	1 no	1260 l	40320	20160
Total				458220	215060

2) Status in 2020

Component Description		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 (K)	1.00 ac	16.80 q	32625	17560	34.40	100.68
Field Crop 2	Paddy (R)	1.00 ac	14.25 q	28225	13225	50	211.17
Hort. Crop 1	Arecanut	1.75 ac	19.24 q	779220	579220	53.92	235.77
Hort. Crop 2	Coconut	1.25 ac	4250 nuts	63750	41000	84.78	336.17
Livestock 1	Dairy	2 no's	2520 l	80640	40320	>100	>100
Total				984460	691325	-	221.46

Brief: The farmer was getting net annual income of Rs. **215060/-** from Paddy, Arecanut, Coconut and dairy production. He faced problems like low productivity in paddy, Inflorescence die back in arecanut, Nut drop in coconut, low yield in milk due to fodder scarcity. Due to the DFI interventions like capacity building programmes, field visit and timely advisories from KVK scientists he is getting net annual income of Rs. **691325/-**.





Name of farmer: H. Sudhakar Shetty

Address: Kodmakki Baradi, Heggunje Village, Mandarthi Post,

Brahmavar Tq

Karnataka

Age: 61

Education: M.A. B.Ed.

Size of land holding (in acre): 4.49

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	2.0 ac	3900 nuts	31200	19200
Hort. Crop 2	Arecanut	2.0 ac	10 q	290000	155000
Total				321200	174200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	2.0 ac	5800 nuts	87000	63000	48.72	228.13
Hort. Crop 2	Arecanut	2.0 ac	18.00 q	738000	578000	80.00	272.90
Hort. Crop 3	Cashew	0.35 ac	2.00 q	20000	14000	>100	>100
Total				845000	655000	-	276.00

Brief: The farmer was getting net annual income of Rs. **174200/-** from Coconut, Arecanut, Cashew. He faced problems like nut drop in Coconut & Arecanut, Tea Mosquito in cashew etc. With DFI interventions like INM & IPDM Exposure visit and capacity building programme he is getting net annual income of Rs. **655000/-**.





Name of farmer: Manohar Shetty

Address: Paddalla, Nitte post Karkala TQ, Udupi dist

Karnataka

Age: 48 years

Education: 6th STD

Size of land holding (in acre): 5.00 Ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4.00 ac	60.00 q	84000	52000
Hort Crop 1	Arecanut	0.50 ac	2.00 q	56000	35000
Hort Crop 2	Coconut border Planting	100 Plants	5000 no's	75900	65000
Hort Crop 3	Cashew	0.50 ac	2.00 q	30000	25000
Livestock 1	Dairy	7 cows	3360 l	97440	48720
Other	Leased land cultivation paddy	2.5 ac	23.00 q	39000	19000
2) Status in 2020				382340	244720

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4.00 ac	90.00 q	153000	89000	50.00	71.15
Hort Crop 1	Arecanut	0.50 ac	4.00 q	164000	138300	100.00	295.14
Hort Crop 2	Coconut	100 Plants	8500 nuts	127500	110000	70.00	69.23
Hort Crop 3	Cashew	0.50 ac	5.00 q	50000	38900	150.00	55.60
Livestock 1	Dairy(CB)	7 cows	9996 l	319872	159936	197.50	228.28
Other	Leased land paddy	2.5 ac	36.00 q	57600	30600	56.52	61.05
Total				871972	566736	-	131.59

Brief: The farmer was getting net annual income of Rs. **244720/-** from paddy, Arecanut, Coconut, Cashew, Dairy, Leased land cultivation. He faced problems like lodging and low yield in paddy, Inflorescence die back in Arecanut, Nut drop in coconut etc. With DFI interventions like Mechanization in paddy, INM & IPDM is with almost all crops, Exposure visit, Capacity building programmes, field visit & advisory services, he is getting net annual income of Rs. **566736/-**. In addition, there is cost saving of Rs. 84,000/- in the production of Paddy animal feed.





Name of farmer: Uday Krishna

Address: Tellar village, Karkala TQ, Udupi dist

Karnataka

Age: 42 years

Education: PUC

Size of land holding (in acre): 10 ac

1) Status in 2016

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	Arecanut	6.00 ac	40.50 q	1134000	714000
Hort Crop 2	Black pepper(Inter crop)	2.00 ac	1.80 q	122400	92900
Hort Crop 3	Coconut	3.50 ac	8400 nuts	67200	39200
Hort Crop 4	Cashew	0.50 ac	1.25 q	18750	15400
Livestock 1	Cows CB	3 no's	2835 l	82215	41107
Total				1424565	902607

2) Status in 2020

Component Description		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	Arecanut	6.00 ac	66.0 q	2706000	2256000	62.96	215.97
Hort. Crop 2	Black pepper	2.00 ac	2.75 q	85250	75000	52.78	-19.27
Hort. Crop 3	Coconut	3.50 ac	11125 nuts	166875	130875	32.44	233.86
Hort. Crop 4	Cashew	0.50 ac	2.65 q	25175	19175	112.00	24.51
Livestock 1	Dairy CB Cows	5.00 Nos	6562 l	210000	105000	131.46	155.43
Total				3193300	2586050	-	186.51

Brief: The farmer was getting net annual income of Rs. **902607/-** from Arecanut, Black pepper, Coconut, Cashew, Dairy etc. He faced problems like Nut drop in Arecanut & Coconut, Koleroga disease in Arecanut and foot rot disease in pepper and scarcity of green fodder etc. With DFI interventions like INM, IPDM in Arecanut, Coconut & Black pepper and introduction of CO4 fodder, Capacity building programmes, timely Agro-advisory services etc he is getting net annual income of Rs. **2586050/-** .





Name of farmer: H Ramakrishna Karanth

Address: S/O Vasudev Karanth, Alagere, Kambadakone
Karnataka

Age: 62 years

Education: PUC

Size of land holding (in acre): 2 ac

1) Status in 2016

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(Kharif)	2.0 ac	16.00 q	10400	3800
Field Crop 2	Black gram(Rabi)	0.5 ac	0.15 q	1650	1000
Field Crop 3	Groundnut(Rabi)	1.5 ac	12.00 q	40800	24940
Hort Crop 1	Coconut	20 no's	1600 nuts	19200	14938
Livestock 1	Dairy(HF Cows)	02 no's	16 l	67200	25000
Livestock 2	Dairy(Jersey cows)	02 no's	10 l	38600	18961
Total				177850	88639

2) Status in 2020

Component Description		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 (Kharif)	2.0 ac	26.00 q	19500	8000	62.50	110.53
Field Crop 2	Fodder	0.2 ac	2 t	-	-	>100	>100
Field Crop 3	Groundnut (Rabi)	1.5 ac	16.05 q	61600	43600	37.50	74.82
Field Crop 3	Blackgram (Rabi)	0.3 ac	0.18 q	2750	2000	66.67	100.00
Hort. Crop 1	Coconut	20 no's	2600 nuts	39000	27500	62.50	84.09
Livestock 1	Dairy(HF Cows)	2 no's	28 l	112600	70000	75.00	180.00
Livestock 2	Dairy (Jersey cows)	2 no's	20 l	89800	45000	100.00	137.33
Other	Cooking Assistant for Marriage function	60 days	500/- per day	30000	30000	>100	>100
Total				355250	226100	-	155.08

Brief: The farmer used to get net annual income of Rs. **88639/-** from Paddy, Groundnut, Livestock and coconut. He faced problems like Low yield, Nutrient disease etc. With DFI interventions like IPM, INM, Fodder, HYV etc., he is getting net annual income of Rs. **226100./-** with % increase income of **155.08%**





Name of farmer: Ragavendra Madyasta

Address: S/O Shankarnarayana Madyasta, Saligrama

Karnataka

Age: 55 years

Education: BA

Size of land holding (in acre): 4.5 ac

1) Status in 2016

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 (Kharif)	4.5 ac	40.50 q	54675	21870
Field Crop 2	Black gram(Rabi)	2.5 ac	6.25 q	34375	20625
Field Crop 3	Horsegram(Rabi)	0.5 ac	1.00 q	5600	3360
Hort Crop 1	Watermelon(later rabi)	1.5 ac	12 t	68000	38080
Livestock 1	Dairy(HF+ Jersey + Malnad Gidda cows)	10 no's	18250 lt	408800	215400
Total				571450	299335

2) Status in 2020

Component Description		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(Kharif)	4.5 ac	54.00 q	86400	47520	33.00	117.00
Field Crop 2	Blackgram(rabi)	2.5 ac	7.50 q	46500	30225	20.00	46.54
Hort. Crop 1	Watermelon	1.5 ac	18 t	144000	93600	50	145
Hort. Crop 2	Fodder	0.5 ac	25 t	-	-	>100	>100
Livestock 1	Dairy (HF + Jersey + Malnadgidda Cows)	10 no's	103 l / day (Total- Milk production - 25750 l)	659200	428480	41	87.6
Total				936100	599825		100

Brief: The farmer used to get net annual income of Rs. **299335/-** from paddy, black gram, watermelon/livestock . He faced problems like low yield, low market price etc. With DFI interventions like ICM, IFS concept, he is getting net annual income of Rs. **599825/-** .





Name of farmer: Ramakrishna Bairy
Address: Keduru, Kundapura Taluk
 Karnataka
Age: 56 years
Education: BA
Size of land holding (in acre): 7 ac

1) Status in 2016

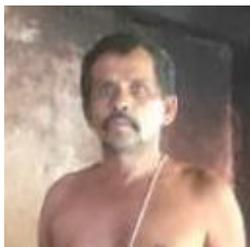
Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy (Kharif)	3.50 ac	28.00 q	37800	17010
Field Crop 2	Blackgram (Rabi)	1.00 ac	2.00 q	11200	7280
Field Crop 3	Fodder Maize(Rabi)	2.00 ac	30 t	Domestic usage	
Hort Crop 1	Arecanut	3.00 ac	21.00 q	546000	346200
Hort Crop 2	Coconut	105 no's	2975 nuts	80325	49801
Livestock 1	Dairy (HF cows)	8 no's	60 l/day(Total-15000 l)	336000	201600
Total				1011325	621891

2) Status in 2020

Component Description		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 (Kharif)	3.50 ac	34.50 q	55200	23152	43.75	36.10
Field Crop 2	Blackgram(Rabi)	1.00 ac	2.50 q	15500	11625	25.00	59.68
Field Crop 3	Fodder Maize (Rabi)	1.00 ac	20 t	Domestic Usage			
Hort. Crop 1	Arecanut	3.00 ac	28.00 q	997500	748125	33.33	115.74
Hort. Crop 2	Coconut	105 plants	10710 nuts	117810	76576	20.00	53.76
Hort. Crop 3	Banana Intercrop(for leaves)	3.00 ac	6580 leaves	90000	58500	>100	>100
Livestock 1	Dairy (HF Cows)	10 nos	85 l/ day (Total 21250 l)	544000	326400	41.66	61.90
Total				1820010	1244378		100

Brief: The farmer used to get net annual income of Rs. **621891/-** from 7 ac of land (paddy/coconut/Arecanut/live stalk) etc. He faced problems like Low yielding, High labour etc. With DFI interventions like IFS, Hydroponic fodder, Honey bee stand he is getting net annual income of Rs. **1244378/-**





Name of farmer: K Shivamoorthy

Address: S/O K Narayana Upadya, #4/79, Kotathattu, Padukere
Karnataka

Age: 57 years

Education: B.com

Size of land holding (in acre): 6 ac

1) Status in 2016

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 (Kharif)	6.00 ac	106.00 q	140400	49140
Field Crop 2	Groundnut(rabi)	6.00 ac	48.00 q	216000	120960
Livestock 1	Dairy (HF cows)	2 no's	3600 l	67200	39890
Total				423600	209990

2) Status in 2020

Component Description		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(Kharif)	6.00 ac	144.00 q	237600	128304	33.33	161.00
Field Crop 2	Groundnut (Rabi)	6.00 ac	63.00 q	352800	229320	31.25	89.58
Other	Groundnut seed cum fertilizer drill machine for rent	30.00 ac		30000	20400	>100	>100
Livestock 1	Dairy (HF cow)	2 no's	4200 l	89600	56592	16.66	41.87
Total				710000	434616	-	106.97

Brief: The farmer used to get Net Annual income of **Rs. 209990/-** from Paddy, Groundnut & Dairy/Animal Husbandry. He faced problems like, Vacheria weed in paddy, low yield variety, poor nutrient management in paddy & groundnut. With DFI interventions like weed management, High yield varieties in paddy & groundnut, STCR based nutrient management has helped in getting Net annual income of **Rs. 434616/-** with % increase income of **106.97%**.



Effect of DFI intervention



Name of farmer: Nishan Gladson D'souza
Address: Chantharu, Krishi Kendra opposite
 Karnataka
Age: 31 years
Education: Bachelor of Hotel Management
Size of land holding (in acre): 7.5 ac

1) Status in 2016

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(Kharif)	1.50 ac	15.00 q	20250	9300
Field Crop 2	Fodder Maize	1.50 ac	30 t	Domestic Usage	
Hort Crop 1	Coconut	3.00 ac	5200 nuts	140400	91260
Hort Crop 2	Arecanut	2.00 ac	14.00 q	375000	262500
Livestock 1	Gir, Sahiwala, Rati, Halikar, Malnad gidda	44 no's (milking cows 20 no's)	65 l/ day	1040000	408000
Total				1575650	771060

2) Status in 2020

Component Description		Period 2020-21				% increase over base	
Components	Names	Area (Acre)/N	Production (Q/Liter/No.)	Gross Income	Net Income	production	income
Field Crop 1	Paddy (Kharif)	1.5 ac	21.00 q	34650	19404	40.00	108.6
Field Crop 2	Fodder Maize	1.5 ac	30 t	-	-	-	-
Hort. Crop 1	Coconut	3.00 ac	6175 nuts	203775	138567	18.75	51.84
Hort. Crop 2	Arecanut	2.00 ac	24.00 q	630000	472500	20	80.0
Livestock 1	Gir, Sahiwala, Rati, Halikar, Malnad gidda	40 no's	100 l/day	1520000	912000	18.75	123.87
Total				2388425	1542471	-	100

Brief: The farmer used to get Net Annual income of Rs. **771060/-** from Dairy, Coconut, Arecanut, Paddy. He faced problems like low milk yield, low SNF, Poor nut production & local paddy variety, low yield. He faced problems like, hydroponic for green fodder production high yielding perennial fodder (Bajra Napier & Maize), IFS concept, INM concept for high yielding has helped him in getting net annual income of Rs. **1542471/-**.





Name of farmer: K. Gunapal Kadamba

Address: S/o Nagaraj Kadamba, Shirlal village, Karkala Tq., Udupi

Karnataka

Age: 75

Education: Degree

Size of land holding (in acre): 16.5 ac

1) Status in 2016

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	Arecanut	6.0 ac	70.00 q	1400000	700000
Hort. Crop 2	Black Pepper (Intercrop)	6.0 ac	10.00 q	200000	120000
Hort. Crop 3	Coconut (Border crop + Main crop)	5.0 ac	20000 nuts	300000	180000
Hort. Crop 4	Rubber	7.0 ac	50.00 q	400000	250000
Hort. Crop 5	Nursery (Within the plantation)	2.00 ac	50000 saplings	1000000	600000
Total				3300000	1850000

2) Status in 2020

Component Description		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	Arecanut	8.6 ac	100.00 q	3100000	1900000	42.86	171.43
Hort. Crop 2	Black Pepper (Intercrop)	7.0 ac	13.00 q	275000	200000	30.00	53.85
Hort. Crop 3	Coconut	7.5 ac	30000 nuts	450000	300000	50.00	66.67
Hort. Crop 4	Rubber	8.0 ac	60.00 q	500000	300000	20.00	20.00
Hort. Crop 5	Nursery	-	75000 saplings	1500000	1000000	50.00	66.67
Total				5825000	3700000	-	100.00

Brief: The farmer was getting annual net income of **Rs 1850000** from arecanut, coconut, blackpepper, rubber and Nursery. He faced problems like Mahali disease, quick wilt, nut dropping, less germination percentage etc. With DFI interventions like Integrated nursery management, IDM in black pepper, INM etc., he is getting annual net income of **Rs 3700000**. He has also started Multistoried cropping system. He was awarded with Best farmer and farm innovator award also.



Arecanut intercropped with Black pepper.



With his farm innovation – Cycle pin irrigation



Name of farmer: Girish Bhat

Address: Bhandari bailu house, Hadiyangadi post, Shirlal Village., Karkala Tq.,
Udupi

Karnataka

Age: 58

Education: Diploma (Electrical)

Size of land holding (in acre): 4 acre

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	2 ac	6000 nuts	48000	28000
Hort. Crop 2	Arecanut	2 ac	13.20 q	369600	209600
Hort. Crop 3	Black Pepper (Intercrop)	1000 plants	2.3 q	69000	59800
Livestock 1	Cow	1 No.	1200 l	34800	17400
Total				521400	314800

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	2 ac	7500 nuts	112500	79500	25.00	183.93
Hort. Crop 2	Arecanut	2 ac	22.00 q	782100	602100	66.67	187.26
Hort. Crop 3	Black Pepper (Intercrop)	1000 plants	3.00 q	105000	96000	30.43	60.54
Livestock 1	Cow	2 No.	3360 l	107520	53760	180.00	208.97
Total				1107120	831360	-	164.09

Brief: The farmer was getting annual net income of Rs. **314800/-** from coconut, arecanut, black pepper, Dairy etc. He faced problems like Root grubs in arecanut, nut dropping in coconut and arecanut, quick wilt in blackpepper, etc. with DFI interventions like INM in all crops, IPDM in arecanut, IDM in Blackpepper, etc., he is getting annual net income of Rs. **831360/-**



Arecanut intercropped with Black pepper



Name of farmer: Baburay Acharva

Address: Paduvaranasi, Cherkadi Village, Brahmavar tq, Udupi

Karnataka

Age: 65

Education: 7 th

Size of land holding (in acre): 2 acre (Organic Farming)

1) Status in 2016

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 ac	19.00 q	27550	20900
Hort. Crop 1	Mixed Vegetables (Paddy fallow)	0.2 ac	2.00 q	5000	2750
Livestock 1	Dairy (Local)	1 No.	520 l	15080	7600
Total				47630	31250

2) Status in 2020

Component Description		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 ac	21 q	35700	27300	10.53	30.62
Hort. Crop 1	Mixed Vegetables (Paddy fallow)	0.4 ac	4.5 q	15960	10500	125.00	281.82
Hort. Crop 2	Arecanut (Younger plantation)	0.5 ac	0.50 q	20000	11000	>100	>100
Hort. Crop 3	Coconut (Younger plantation)	0.4 ac	550 nuts	9900	7700	>100	>100
Livestock 1	Dairy (CB Cows)	1 No.	1200 l	34800	17000	130.77	123.68
Total				96360	73500	-	135.20

Brief: The farmer was getting annual net income of **Rs. 31250/-** from Paddy, mixed vegetables, Dairy etc. From 2016 he has started organic farming because of that, yield was drastically reduced and it has stated increasing over the years with DFI interventions in organic farming on Horticultural crops like vegetables, nutri gardening, Kitchen gardening ,etc., he is getting annual net income of **Rs. 73500/-**



Organically grown Vegetables



Name of farmer: Shanthiraj Jain

Address: Ashritha Nilaya, Shirlal Village., Karkala Tq., Udupi

Karnataka

Age: 55

Education: 7th

Size of land holding (in acre): 12 acre

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	1 ac	3200 nuts	28800	16400
Hort. Crop 2	Arecanut	7 ac	49.00 q	1244600	703200
Hort. Crop 3	Black Pepper (Intercrop)	1 ac	1.4 q	91000	58800
Total				1364400	778400

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	1 ac	3850 nuts	57750	35250	20.31	114.94
Hort. Crop 2	Arecanut (Old+ Younger plantation)	10 ac	68.00 q	2417400	1517400	38.78	115.78
Hort. Crop 3	Black Pepper (Intercrop)	2 ac	3.00 q	92000	62000	114.29	5.44
Total				2567150	1614650	-	107.43

Brief: The farmer was getting annual net income of Rs. **778400/-** from coconut, Arecanut, Black pepper, etc from 8 acres. Remaining 4 acres includes own house, drying yards, utility area and non-cultivable land during 2016. He faced problems like low yielding, Root grubs in arecanut, nut dropping in coconut and arecanut, quick wilt in Blackpepper, etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut, IDM in Blackpepper, etc., he is getting annual net income of Rs. **1614650/-**



INM and IPDM in Arecanut demonstrated plantation



Name of farmer: Nagaprasad Kamath

Address: Thenkabettu mane, Shirlala Village, Karkala tq, Udupi

Karnataka

Age: 28

Education: PUC

Size of land holding (in acre): 3 acre

1) Status in 2016

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 ac	6.00 q	7200	4200
Hort. Crop 1	Arecanut	1 ac	5.00 q	125000	95200
Hort. Crop 2	Coconut	0.4 ac	350 nuts	3150	2200
Livestock 1	Dairy (Cross breed)	1 No.	1200 l	34800	18400
Total				170150	120000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	0.5 ac	9.50 q	22260	13250	58.33	215.48
Hort. Crop 1	Arecanut	1 ac	9.00 q	222400	173650	80.00	82.56
Hort. Crop 2	Coconut	0.4 ac	650 nuts	9750	6200	85.71	163.83
Livestock 1	Dairy (Cross breed)	3 No.	3450 l	100050	47050	187.50	155.71
Total				354460	240150	-	100

Brief: The farmer was getting annual net income of Rs. **120000/-** from Paddy, Arecanut, Coconut, Dairy etc. He faced problems like low yielding, Root grubs in arecanut, nut dropping in coconut and arecanut, etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut, etc., he is getting annual net income of Rs. **240150/-**



Paddy field



Arecanut plantation



Name of farmer: Chandraraj Athikari

Address: S/O Padnaraj Adhikari, Irvattur, Karkala, Udupi Dt.

Karnataka

Age: 49

Education: B.Com

Size of land holding (in acre):6.35 acres

1) Status in 2016

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 (<i>Kharrif</i>)	2.00 ac	16.00 q	27200	16600
Field Crop 2	Paddy (<i>Rabi</i>)	2.00 ac	14.00 q	22400	13250
Hort. Crop 1	Arecanut	3.50 ac	26.00 q (Processed Chali nuts)	637450	408900
Hort. Crop 2	Black pepper (Intercrop in arecanut garden)	165 Vines (0.30 acres)	1.40 q (Processed black pepper)	67200	56860
Hort. Crop 3	Coconut	20 trees (0.30 acres, Border planting)	1720 nuts	16340	13730
Total				770590	509340

2) Status in 2020

Component Description		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	Arecanut	5.50	37.00 q (Processed nuts)	1406000	913200	42	123
Hort. Crop 2	Black pepper (intercrop in arecanut)	750 Nos (1.43 Acres)	4.60 q (Processed black pepper)	179400	115650	228	103
Hort. Crop 3	Coconut	50 Nos (0.85 acres Border planting)	4750 Nuts (Coconuts)	64125	48077	176	250
Total				1649525	1076927	-	111.44

Brief: The farmer Sri Chandraraj Adhikari used to get an annual income of **Rs. 509340.00** from paddy, arecanut, black pepper and coconut crops. KVK has intervened in establishment of model arecanut garden, integrated disease management in black pepper and demonstration of micro nutrient pepper special for increasing the yield in black pepper, there by his annual income has increased to **Rs. 1076927.00**.



Demonstration of foliar nutrition
IISR Pepper special and wilt
management in black pepper





Name of farmer: Manjunath Goli

Address: S/O Narayana Goli, Uthalla Bettu, Hosur Villag, Karje Panchayat, Brahmavara, Udupi Dt.

Karnataka

Age: 70

Education: SSLC

Size of land holding (in acre): 7.25 Acres

1) Status in 2016

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	2.00	19.00 q	32300	17350
Hort. Crop 1	Arecanut (Processed Chali Nuts)	1.00	8.5 q	206250	127950
Hort. Crop 2	Black pepper (Inter crop in arecanut)	80 vines (0.15 acres)	0.95 q	45600	40400
Hort. Crop 3	Coconut	1.30	4960 nuts	52080	35280
Total				336230	220980

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4.00	21.00 q (Red rice)	88200	46950	>100	>100
			23.00 q (Paddy)	38000	24250	21.05	39.76
Hort. Crop 1	Arecanut (Processed Chali nuts)	1.00	9.75 q	331500	235400	14.70	83.97
Hort. Crop 2	Black pepper (Intercrop in arecanut)	120 vines (0.25 acres)	2.15 q	83850	70450	126.31	74.38
Hort. Crop 3	Coconut	1.30	5200 nuts	70200	50770	4.83	43.90
Nursery	Medicinal plant nursery	0.50	8500 No's (Nursery plants)	199750	106250	>100	>100
Total				811500	534070	-	141.68

Brief: The farmer Sri Manjunath Goli was getting annual income of **Rs. 220980.00** from paddy, Arecanut, black pepper and coconut crops. KVK has intervened in nutrient management of field crops and horticulture crops and skill training in establishment of medicinal plant nursery, there by his annual income has increased to **Rs. 534070.00**.





Name of farmer: Amith Shetty

Address: S/O Late Bhaskar Shetty, Ganesh Nilaya, Noojina Bylu, Udupi Dt.

Karnataka

Age: 29 years

Education: BA

Size of land holding (in acre): 3.5 acres

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre /Number)	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.50(Kharif)	14.00 q	25300	14150
Hort. Crop 1	Coconut	50 Coconut trees (0.83 acres)	3250 nuts	30875	22280
Livestock 1	Dairy	3 (Cross breed cows)	4800 l	134400	73200
Total				190575	109630

2) Status in 2020

Component Description		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	1.00	10.50 q	17325	9560	-25.00	-32.43
Hort. Crop 1	Coconut	65 Coconut palms (1.08 acres)	4870 nuts	65740	50440	72.00	126.41
Hort. Crop 2	Black pepper (Intercrop in coconut)	50 Vines (0.10 acre)	0.63q	24570	20820	>100	>100
Hort. Crop 3	Vegetables	Malabar Spinach, Okra, Ridge planting during rabi and summer)gourd	0.50 q	45300	32850	>100	>100
Live stock 1	Dairy	2 Cross breed cows	3420 l	116280	59740	-28.75	-18.38
Live Stock 2	Poultry local	200 nos	340 kg (Chicken)	102000	54600	>100	>100
Total				371215	228010	-	107.98

Brief: The farmer, Sri Amith Shetty was getting an annual income of **Rs. 109630** from paddy coconut and dairy. After attending FOCT skill training programme at KVK he gained knowledge on cultivation of vegetables (intercrop in coconut garden), nutrient management and rearing local poultry birds, which he adopted in his farm and there by his income increased to **Rs. 228010/-**





Name of farmer: Babu Shetty

Address: S/O Late Shesha Shetty, Gundi Kodlu, Melehosur (Po) Vandse
Hobli, Kundapur Tq. Udupi Dt.

Karnataka

Age: 58 years

Education: 4th standard

Size of land holding (in acre): 2 acres

Status in 2016

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 (<i>Kharif</i>)	1.00 ac	10.00 q	17650	10400
	Paddy (<i>Rabi</i>)	1.00 ac	9.5 q	17100	9950
Hort. Crop 1	Yard long bean (Vegetable)	0.50 ac	11.20 q	44800	25500
Hort. Crop 2	Gourd vegetables	0.50 ac	18.50 q	22200	13600
Hort. Crop 3	Arecanut	350 Arecanut palms (0.65 acres)	2.00 q (Processed Chali Nuts)	56000	37500
Hort. Crop 4	Coconut	35 coconut palms (0.58 acres)	2800 nuts	26600	19250
Hort. Crop 5	Cashew	30 cashew trees (0.50 acres)	0.30 q Nuts	4050	3150
Live stock 1	Cow	2 local breeds	2280 l	63840	33370
Total				252240	152720

2) Status in 2020

Component Description		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	1.00 <i>Kharif</i>	12.10 q (Paddy)	21170	11980	21.00	15.19
	Paddy	1.00 <i>Rabi</i>	10.75 q (Paddy)	18800	10260	13.15	3.11
Hort. Crop 1	Yardlong bean, (Vegetable)	0.50 ac	13.50 q	59400	38050	20.53	49.21
Hort. Crop 2	Gourd vegetables	0.50 ac	22.10 q	26520	16320	19.45	20.00
Hort. Crop 3	Arecanut	350 Arecanut trees (0.65 acres)	4.50 q (Processed chali nuts)	171100	138800	125.00	251.39
Hort. Crop 4	Coconut	35 coconut trees (0.58 acres)	3045 coconuts	39580	29780	8.57	54.70
Hort. Crop 5	Cashew	30 cashew trees (0.50 acres)	1.5 q Nuts	15750	11650	400.00	269.84
Livestock 1	Dairy	2 local breeds	2850 l	96900	49790	25.00	49.20
Total				449200	306630	-	100.00

Brief: The farmer, Sri Babu Shetty was getting net annual income of **Rs. 152720** from paddy, vegetables, arecanut coconut and dairy. KVK intervention in introduction of high yielding yardlong bean variety arka Mangala and ridge gourd Arka Prasan, application of vegetable special micronutrient and adoption of integrated nutrient management practices in plantation crops, an increase in yield is observed and there by income has increased to **Rs 306630**.



Demonstration of Ridge gourd variety Arka Prasan





Name of farmer: Chandrashekar Udupa

Address: S/O Janardhana Udupa, Shri Karthik Farm, Kenchanoor,
Kundapur Tq. Udupi Dt.

Karnataka

Age: 36 years

Education: BCom.

Size of land holding (in acre): 8.2 acres

1) Status in 2016

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	1.00 <i>Kharif</i>	9.00 q (Paddy)	15750	9670
	Paddy	1.00 <i>Rabi</i>	8.50 q (Paddy)	14875	8930
Hort. Crop 1	Yard long bean (Vegetable)	0.25	4.00 q	5200	4800
Hort. Crop 2	Gourd vegetables	0.40	9.00 q	14400	10150
Hort. Crop 3	Watermelon	0.60	80.00 q	72000	48500
Hort. Crop 4	Arecanut	400 Arecanut palms (0.73 acres)	3.00 q (Processed Chali Nuts)	84000	50800
Hort. Crop 4	Coconut	1.00	4500 coconuts	42750	29950
Hort. Crop 5	Cashew	5.00	15.00 q Cashew nuts	142500	100500
Live stock 1	Cow	1 local breeds	560 l	15680	9190
Total				407155	272490

2) Status in 2020

Component Description		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	1.00 <i>Kharif</i>	11.10 q(Paddy)	19980	11890	23.33	22.95
	Paddy	1.00 <i>Rabi</i>	9.50 q (Paddy)	17500	10650	11.76	19.26
Hort. Crop 1	Arecanut	400 arecanut palms (0.73 acres)	4.10 q (Processed Chali Nuts)	155800	110900	36.66	118.30
Hort. Crop 2	Coconut	1.00	5900 coconuts	79650	63450	31.11	111.85
Hort. Crop 3	Cashew	5.00	22.00 q Cashew nuts	248600	184000	46.66	83.08
Live stock 1	Dairy	2 local breeds	1150 l	36800	22200	105.35	141.56
Other enterprises	Nursery	Cashew and Arecanut nursery	10000 Nos	300000	160000	>100	>100
			3000 Nos	72000	42000	>100	>100
Total				930330	605090	-	122.00

Brief: The farmer, Sri Chandra shekar Udupa was getting an annual income of **Rs. 272490** from paddy, vegetables, arecanut coconut and dairy. KVK intervention in introduction of high yielding yardlong bean variety arka Mangala and ridge gourd Arka prasan, application of vegetable special micronutrient, adoption of integrated nutrient management practices in plantation crops and adoption of IFS components an increase in yield is observed and there by income has increased to **Rs 605090**.



Demonstration of Ridge gourd variety Arka Prasan





Name of farmer: Umesh

Address: Bellale village, Kundapur Tq. Udupi Dt.

Karnataka

Age: 42 years

Education: SSLC

Size of land holding (in acre): 3.9 acres

1) Status in 2016

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	1.00 <i>Kharif</i>	8.50 q (Paddy)	13600	8300
	Paddy	1.00 <i>Rabi</i>	8.00 q (Paddy)	12800	7850
Hort. Crop 1	Arecanut	1.00 ac	8.25 q (Processed Chali Nuts)	231000	132700
Hort. Crop 2	Black pepper (Intercrop in Arecanut Garden)	95 Vines	0.52 q	24960	17835
Hort. Crop 3	Coconut	50 Coconut palms (0.90 acres)	3250 nuts	39000	23250
Live stock 1	Cow	3 cross breeds	2400 l	67208	37404
Total				388568	227339

2) Status in 2020

Component Description		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	1.00 <i>Kharif</i>	12.50 q(Paddy)	22500	12850	47.05	54.81
	Paddy	1.00 <i>Rabi</i>	11.00 q (Paddy)	19800	11300	37.50	43.94
Hort. Crop 1	Arecanut	1.00 ac	9.75 q(Processed Chali Nuts)	370500	286000	18.18	115.29
Hort. Crop 2	Black pepper (Inter crop in arecanut garden)	240 Vines (0.88 acres)	1.90 q(Processed Black pepper)	91200	73200	265.38	310.00
Hort. Crop 3	Coconut	50 coconut palms	4100 nuts	43050	26150	26.15	12.47
Live stock 1	Dairy	3 Cross Breeds	3420 l	95760	50230	42.50	34.29
Total				642810	459730	-	102.00

Brief: The farmer, Sri Umesh was getting net annual income of **Rs. 227339** from paddy, arecanut coconut and dairy. KVK intervention in introduction of foliar micro nutrient spray “Pepper special” for higher yield in black pepper and management of wilt in black pepper and adoption of integrated nutrient management practices in plantation crops, there by income has increased to **Rs 459730**.



Demonstration of wilt management and foliar application of micro nutrient “IISR-Pepper special for higher yield in black pepper” and demonstration of lime application for soil acidity management in paddy



Name of farmer: Upendra Naik
Address: Marne village , Karkala Taluk, Udupi
 Karnataka
Age: 63 years
Education: 6th STD
Size of land holding (in acre): 4.00 acres

1) Status in 2016

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 ac	23.00 q	33300	21000
Hort. Crop 1	Arecanut	2.00 ac	3.80 q	106400	55400
Hort. Crop 2	Coconut (Main crop & Border planting)	0.5 ac	1700 nuts	14080	8080
Live stock 1	Dairy (Local cows)	3 nos	1090 l	52920	26460
Total				206700	110940

2) Status in 2020

Component Description		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(K)	1.5 ac	30.00 q	52500	34500	30.43	64.29
Hort. Crop 1	Paddy(R)	0.75 ac	11.00 q	19250	11250	>100	>100
Hort. Crop 2	Vegetables	0.25 ac	15.00 q	30000	20000	>100	>100
Hort. Crop 3	Arecanut	2.00 ac	5.92 q	243904	185904	55.79	235.57
Hort. Crop 4	Coconut (Main crop & Border planting)	0.50 ac	2380 nuts	42840	30840	40.00	281.68
Live stock 1	Dairy(CB cows)	5 nos	5250 l	168000	84000	381.65	217.46
Total				556494	366494	-	230.35

Brief: The farmer was getting net annual income of **Rs. 110940/-** from paddy, arecanut coconut and dairy. He faced problems like low yield due to non adoption of INM, IPM technologies in field crops and horticulture crops. He was facing root grub menace in Arecanut. With DFI interventions like diversified farming system with adoption of paddy, vegetables, dairy along with INM & ICM approaches his income was doubled and he is getting net annual income of **Rs. 366494/-**.





Name of farmer: Jnanadev Sanooru

Address: Sanooru village & post, Karkala Taluk, Udupi dist

Karnataka

Age: 61years

Education: PUC

Size of land holding (in acre): 4.20 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre /Number)	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.35 ac	10.10 q	14645	8645
Hort. Crop 1	Arecanut	1.85 ac	7.92 q	221760	96760
Hort. Crop 2	Coconut	0.85 ac (104 plants)	6836 nuts	54688	36688
Hort. Crop 3	Pepper (Intercrop in Arecanut & Coconut)	0.05 ac (25 plants)	0.15 q	9750	7250
Live stock 1	Dairy(CB cows)	06 nos	5040 l	141120	70560
Total				441963	219903

2) Status in 2020

Component Description		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	1.35 ac	18.13 q	31728	19727	79.50	128.19
Hort. Crop 1	Arecanut	1.85 ac	13.65 q	614250	464250	72.35	379.80
Hort. Crop 2	Coconut	0.85 ac (104 plants)	8321 nuts	149778	124778	21.72	240.11
Hort. Crop 3	Pepper (Intercrop in Arecanut & Coconut)	450 plants	2.31 q	80850	52850	1440.00	628.97
Live stock 1	Dairy(CB cows)	06 nos	6315 l	202080	101040	25.30	43.20
	Fisheries	0.10 ac	0.92 q	10520	5080	>100	>100
Total				1089206	767725	-	249.12

Brief: The farmer, was getting annual income of **Rs. 219903/-** from paddy, arecanut coconut, pepper and dairy animals. He faced problems like low yield and pest & disease problem in paddy, Arecanut & Coconut.. With DFI interventions like INM, ICM & IPM approaches, Exposure visit, Field visit and Capacity building programmes his income has doubled and he is getting net annual income of **Rs. 767725/-**.





Name of farmer: Arun D'silva

Address: Aruna villa, Sanoor (village & post), Karkala Tq, Udupi(D)
Karnataka

Age: 36 years

Education: B.com

Size of land holding (in acre): 3.10 ac

1) Status in 2016

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	Arecanut	2.00 ac	4.80 q	136800	80800
Hort. Crop 2	Coconut	1.00 ac	6000 nuts	48000	36000
Live stock 1	Dairy cows	4 nos	4800 l	104400	52200
Total				289200	169000

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	8.35 q	384875	291875	73.96	261.23
Hort. Crop 2	Coconut	1.00 ac	8500 nuts	127500	105700	41.67	193.61
Hort. Crop 3	Banana	125 plants	11.25 q	39375	19688	>100	>100
Live stock 1	Dairy cows	6 Nos	6360 l	203520	101760	32.50	94.94
	Fisheries	0.10 ac	3.10 q	46500	29500	>100	>100
Total				801770	548523	-	224.57

Brief: The farmer, was getting net annual income of **Rs. 169000/-** from arecanut coconut and dairy animals. He faced problems like low yield in arecanut and coconut. With DFI interventions like INM, ICM, IFS and IPM approaches, exposure visit, field visit and Capacity building programmes his income has doubled and he is getting net annual income of **Rs. 548523/-**.



Name of farmer: Sudheer Pai

Address: Molahalli Village, Kundapura Tq. Udupi Dt.

Karnataka

Age: 48 years

Education: M.Sc.

Size of land holding (in acre): 5 acres



1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Banana	1.90 ac	122.00 q	195200	116000
Hort Crop 2	Arecanut	1.10 ac	7.00 q (Processed Chali Nuts)	210000	131800
Hort. Crop 1	Coconut	1.60 ac (70 coconut palms pure garden and 45 Coconut palms planted along the border)	5950 (Tender nuts)	119000	77400
Livestock 1	Cows	5 Nos (1 HF and 4 Jersey cows)	4560 l	118560	54950
Total				642760	380150

2) Status in 2020

Component Description		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	Arecanut	3.00 ac	21.50 q (Processed Chali Nuts)	822000	556000	207.14	421.57
Hort. Crop 2	Cocoa (Inter crop in arecanut garden)	1.80 ac (560 cocoa plants intercrop in arecanut garden)	1.25 q (Processed cocoa beans)	22500	17100	>100	>100
Hort. Crop 3	Coconut	2.00 ac (70 coconut palms pure garden and 80 coconut palms planted along the border)	9600 (Tender nuts)	177000	105000	61.34	35.65
Livestock 1	Cross breed cows	6 Nos (3 HF and 3 Jersey cows)	5890 l	188480	82240	29.16	49.66
Total				1209980	760340	-	100

Brief: The farmer Sri Sudheer Pai was getting annual income of **Rs. 380150** from banana, arecanut, coconut and milking five HF and Jersey cows. ICAR-KVK, Udupi intervened with IFS components and INM in his farm wherein the cost of production was reduced and increase in yield output was observed in plantation crops. With the technological interventions by KVK, Udupi he is getting an annual income of **Rs 760340**.



Demonstration of Integrated Nutrient Management and Multi Storied Cropping System in Arecanut





Name of farmer: Ashwath Hebbar

Address: S/o Lt. Jayaram Hebbar, Car Street, Perdoor, Udupi Dt.

Karnataka

Age: 31years

Education: BA

Size of land holding (in acre): 5 acres

1) Status in 2016

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	1.00 ac	11.50 q	16100	9500
Hort. Crop 1	Lavancha	1.38 ac	9.50 q (Dry roots)	90200	68400
Hort Crop 2	Cashew	2.80 ac	5.30 q (Raw nuts)	58300	40800
Total				164000	118700

2) Status in 2020

Component Description		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	Spine gourd	0.50 ac	8.50 q (Fresh vegetable)	76500	43400	>100	>100
Hort. Crop 2	Cashew	2.80 ac	10.20 q (Raw nuts)	117300	79700	101.20	95.34
Other Enterprise 1	Nursery	0.50 ac	1550 (1400 Spine gourd seedlings and 150 Rambutan grafts)	52000	28600	>100	>100
Other Enterprise 2	Aquarium fabrication	0.05 ac	72 Nos	108000	51900	>100	>100
Other Enterprise 3	Ornamental fish rearing	0.10 ac	6400 Fish Fingerlings	128000	68400	>100	>100
Total				481800	272000	-	129.14

Brief: The farmer Sri Ashwath Hebbar was getting net annual income of **Rs. 118700** from paddy and cashew. He underwent vocational capacity building programme in fabrication of aquarium and ornamental fish rearing, and also conducted demonstration of spine gourd cultivation in his farm. With the technological interventions by KVK, Udupi he is getting net annual income of **Rs 272000**.



Demonstration of cultivation of spine gourd (Var. Arka Bharath)



Name of farmer: Mithun Shetty

Address: S/O Sadhu Shetty, House No. 3/187(1), Bavigadde House, Habdikallu Road, Char Village and (PO), Udupi Dt. PIN 576112

Karnataka

Age: 31 years

Education: Diploma in Marketing Management

Size of land holding (in acre): 5.2 acres

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre /Number)	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.50(Kharif)	12.5 q (Paddy)	20300	12050
Field Crop 2	Paddy	1.50 (Rabi)	14.5 q (Paddy)	23500	13730
Hort. Crop 3	Arecanut	0.33 ac	5.20 q (Processed Chali Nuts)	124800	98300
Hort. Crop 2	Banana	0.25 ac	28 q	28000	17650
Livestock 1	Diary	3 (Cross breed cows)	3000 l	78000	41350
Livestock 3	Poultry	32000 (Broiler chicks)	57600 kg (chicken)	230400	157400
Total				505000	340480

2) Status in 2020

Component Description		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	1.50 (Kharif)	14.50 q(Paddy)	24650	14275	16.00	18.46
Field Crop 2	Paddy	1.50 (Rabi)	15.50 q (Paddy)	26350	15150	6.89	10.34
Hort. Crop 3	Arecanut	2.92 ac	12.41 q (Processed Chali nuts)	483990	327850	138.65	233.52
Hort. Crop 4	Black pepper (Intercrop in arecanut)	270 Vines (0.50 acre)	0.40 q (Processed black pepper)	15600	9100	>100	>100
Hort. Crop 5	Banana	1.59 (1450 Plantains)	125000 Nos (Plantain leaf)	156250	91500	100	418.41
Live stock 1	Dairy	4 Cross breed cows	5890 l	200260	112300	96.33	171.58
Live Stock 2	Poultry	32000 (Broiler chicks)	57600 kg (chicken)	288000	186600	50.00	18.55
Total				1195100	756775	-	122.26

Brief: The farmer, Sri Mithun Shetty was getting net annual income of **Rs. 340480** from paddy, arecanut, poultry and dairy. After attending capacity building programme at KVK, Udupi he gained knowledge on scientific cultivation of plantation crops with multi storied cropping system, nutrient management and rearing poultry birds, which he adopted in his farm and there by his income increased to **Rs. 756775**.



Adoption of multi-storied cropping system in arecanut based cropping system



Name of farmer: Sukeerthi Jain

Address: Yerabettu House, Renjala (Po)Karkala Tq. Udupi Dt.

Karnataka

Age: 38

Education: ITI

Size of land holding (in acre): 4.50 acres

1) Status in 2016

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 ac	12 q	19200	11200
Hort. Crop 1	Arecanut	1.50 ac	11.50 q (Processed Chali Nuts)	276000	181200
Hort. Crop 1	Coconut	60 Nos (1.00 ac)	3400 nuts	32300	20200
Livestock 1	Cross breed	2 Nos	2100 l	58800	31300
Total				386300	243900

2) Status in 2020

Component Description		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	1.75 ac	13.50 q	21600	12900	12.50	15.17
Hort. Crop 1	Arecanut	2.00 ac	15.80 q (Processed Chali Nuts)	600400	421200	37.39	132.45
Hort. Crop 2	Coconut	60 Nos (1.00 acres)	4800 nuts	64800	48600	41.17	140.59
Hort. Crop 3	Vegetables (Okra, sweet potato)	0.15 ac	10.70 q	28600	19200	>100	>100
Livestock 1	Cross breed cows	2 Nos	2250 l	76500	40350	38.09	28.91
Total				791900	542250	-	122.32

Brief: The farmer Sri Sukeerthi was getting annual income of Rs. **2,43,900** from paddy, arecanut, coconut and milking two cross breed cows. He faced problems high production cost in paddy cultivation, inflorescence die back, immature nut dropping, imbalanced nutritional management in arecanut and coconut. With KVK technological interventions in nutritional management in paddy, arecanut and coconut, he is getting net annual income of **Rs 542250**.



Management of inflorescence die back in arecanut and INM in arecanut



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Divakar Shetty S/o Subbanna
 Address: Jyothi farm, Jogibettu, Perdur Tq, Udupi
 Dist
 Karnataka
 Age: 67
 Education: BA
 Size of land holding (in acre): 9 ac

1) Status in 2016

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	3.00 ac	34.5 q	57750	21750
Hort. Crop 1	Areca nut	2.00 ac	15.04 q	420000	233000
Hort. Crop 2	Coconut	2.00 ac	5031 nuts	40261	29503
Fisheries	Composite Culture of carps	1.00 ac	17 q	204000	104000
Livestock	Cross breed cattle	2 no's	2400	67200	36288
Total				789211	424541

2) Status in 2020

Component Description		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	3.00 ac	53.76 q	103392	61392	55.83	182.26
Field Crop 2	Blackgram	3.00 ac	6.44 q	57996	39996	>100	>100
Hort. Crop 1	Arecanut	2.00 ac	19.00 q	722000	422000	26.33	62.31
Hort. Crop 2	Coconut	2.00 ac	8246 nuts	123690	80000	63.94	171.16
Fisheries 1	Composite Culture of carps with other species	1.00 ac	24.00 q	288000	172800	41.18	66.15
Livestock 1	Cross breed cattle	2 no's	4200	121800	73080	75.00	101.39
Total				1416878	849268	-	100.00

Brief: The farmer was getting net annual income of **Rs . 424541/-** from Paddy, Areca, Coconut, Fisheries and Dairy. He was facing yield related problems, disease incidences and survival problems. As part of DFI interventions introduced new disease resistant fast growing hard fish varieties which can fetch good price in local market and IPDM, ICM and IFS module. As a result the farmer is getting net annual income of **Rs.849268**.



Farmer with Fish pond, Dairy Unit and Areca plot



Name of farmer: Prabhakar Kharvi

Address: S/o Macha Kharvi, Motimane, Karkikali, Uppunda, Byndur Tq, Udupi Dist

Karnataka

Age: 33

Education: SSLC

Size of the Cages : 6.5X6.5X12 ft. Number of Cages - 4

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	4 cages	25 q	1125000	506250
Total				1125000	506250

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	4 cages	53 q	2385000	1431000	112	182.67
Total				2385000	1431000	-	182.67

Brief: The farmer was getting net annual income of **Rs.506250/-** from cage culture of Asian seabass fish in 4 cages of size 6.5X6.5X12 ft each. The culture duration was 18 months. He had faced yield related problems due to unscientific management. After the DFI intervention trained him through training programs, demonstrations of periodical grading during nursery phase and Our regular visits given him better results. The yield has increased and the income from 4 cages of 18 months culture is **Rs. 1431000/-**



Farmer with his cage culture Seabass



Name of farmer: Chaithra Adapa

**Address: Molahalli village Kundapur TQ, Udupi dist
Karnataka**

Age: 46

Education: Degree

Size of land holding (in acre): 2.00 ac

1) Status in 2016

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	Arecanut	2.0 ac	5.00 q	190001	102345
Livestock 1	Dairy	21 Nos	100803 l	71564	51234
Total				261565	153579

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	7.10 q	278963	164895	42.00	61.12
Livestock 1	Dairy	50 Nos	231845 l	253648	157463	130.00	207.34
Total				532611	322358	-	109.90

Brief: The farmer was getting net annual income of **Rs. 153579/-** from arecanut, and Dairy, She faced problems like low yield, die back and nut dropping in arecanut etc. And low milking yield in dairy With DFI interventions like INM & IPDM in arecanut, exposure visit, capacity building programmes, field visit & advisory services in dairy. Now she is getting net annual income of **Rs. 322358/-**





Name of farmer: Bhaskar Shetty

Address : Upadyara Gadi Sidhapura Village , Kundapura taluk
Karnataka

Age: 48

Education: PU

Size of land holding (in acre): 2 ac

1) Status in 2016

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	Arecanut	2.00 ac	8 .02 q	250008	161009
Hort. Crop 3	Pepper (Inter crop)	1 .00 ac	2 .03 q	70007	40008
Total				320015	201017

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	16 .00 q	500009	312068	99.50	78.32
Hort. Crop 3	Pepper (Inter crop)	1 .00 ac	3.01 q	125008	75007	48.28	87.48
Hort. Crop 4	Vegetables (inter crop)	0.50 ac	10.01 q	25008	15005	>100	>100
Total				650025	402080	-	100.00

Brief: The farmer was getting net annual income of **Rs. 201017/-** from arecanut, and pepper From 2016 he has started ICM Approaches through the Intervention of KVK he is getting net annual income of **Rs. 402080/-**



Effect of DFI intervention

Name of KVK: KVK, Udipi



Name of farmer: **Karthik**

Address : Kavarse village, Karkala Taluk, Udipi district

Age: **23**

Education: **B.Sc (Agri)**

Size of land holding (in acre): **3.5 ac**

1) Status in 2016

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	Arecanut	2.00 ac	7.84 q	250004	175003
Hort. Crop 32	Pepper (Inter crop)	1 .00 ac	1.92 q	70002	40004
Total				320006	215007

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	16 .52 q	520121	322066	110.71	84.03
Hort. Crop 2	Pepper (Inter crop)	1 .00 ac	3.05 q	135006	85005	68.23	112.49
Hort. Crop 4	Vegetables (inter crop)	0.50 ac	10.02 q	35004	25004	>100	>100
Total				630131	432075	-	100.00

Brief: The farmer was getting net annual income of **Rs. 215007/-** from arecanut, and pepper From 2016 he has started ICM approaches through the intervention of KVK in arecanut based cropping system now he is getting net annual income of **Rs. 432075/-**





Name of farmer: U Gururaj Bhat
Address: S/O Gopal Krishna, Majoor
Karnataka
Age: 53 years
Education: SSLC
Size of land holding (in acre): 2.5 ac

1) Status in 2016

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 (Kharif)	2.0 ac	16 q	25600	14080
Field Crop 2	Sesamum (rabi)	2.0 ac	1.5 q	9000	5400
Hort Crop 1	Coconut (all along the plot)	50	6000 nuts	95600	62140
Livestock 1	Dairy (HF cows)	2 no's	3750 l	105000	63000
Total				235200	144620

2) Status in 2020

Component Description		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(Kharif)	2.00 ac	25q	47500	28500	56.25	102.4
Field Crop 2	Sesamum(Rabi)	2.00 ac	3.0 q	33000	23100	100	327.3
Hort Crop 1	Coconut (all along the plot)	50	9000	180000	135000	50	117.2
Livestock 1	Dairy (HF cow)	2 no's	6250 l	200000	140000	66.6	122.3
Total				460500	326600	-	125.8

Brief: The farmer was getting net annual income of **Rs. 144620/-** from paddy, sesamum, coconut & dairy/animal husbandry. He faced problems like, lack of high yielding variety of seeds, poor nutrient management. With DFI interventions like HYV, White seeded sesamum variety, ICM in coconut has helped in getting Net annual income of **Rs 326600/-** with % increase income of **125.8%**.





Name of farmer: Jagadesh Poojari
 Address: S/O Dattya, Kergal Village
 Karnataka
 Age: 26 years
 Education: SSLC
 Size of land holding (in acre): 02 ac

1) Status in 2016

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 (Kharif)	2.0 ac	20.00 q	32000	19200
Field Crop 2	Groundnut (rabi)	2.0 ac	16.00 q	86400	53200
Field Crop 3	Water melon (summer)	2.0 ac	260 q	208000	135200
Livestock 1	Dairy (HF cows)	3 no's	18 l/ day	126000	75600
Total				452400	283200

2) Status in 2020

Component Description		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(Kharif)	2.00 ac	30.00q	58500	35100	50	82.8
Field Crop 2	Groundnut (Rabi)	2.00 ac	24.00 q	134400	93680	50	76.1
Hort Crop 1	Water melon (summer)	2.00 ac	320 q	320000	224000	23	65.68
Livestock 1	Dairy (HF cow)	3 no's	25 l	200000	140000	38	85.2
Miscellaneous	Small Custom hire centre 1. Tractor 2. Repar 3. Paddy baler machine 4. Power tiller 5. Paddy transplanter	-		250000	175000	>100	>100
Total				962900	667780	-	135.30

Brief: The farmer was getting net annual income of **Rs. 283200/-** from Paddy, Groundnut, watermelon & Dairy/Animal Husbandry. He faced problems Low yield, Poor nutrient mgt, weed mgt. With DFI interventions like HYV variety in Groundnut and watermelon, ICM has helped along with that with the help of KSDA Custom hiring centre helped in getting Net annual income of **Rs. 667780 /-** with % increase income of **180.23%**.





Name of farmer: Vidyadhar Udupa

Address: S/O Oadnabha Udupa, Heranjal

Karnataka

Age: 35 years

Education: B A

Size of land holding (in acre): 4.0 ac

1) Status in 2016

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 (Kharif)	2.0 ac	16.00 q	25600	14080
Field Crop 2	Groundnut (rabi)	2.0 ac	16.00 q	84300	55120
Hort Crop 1	Areca nut	2.0 ac	15.00 q	375000	175685
Hort Crop 2	Coconut (Intercrop and border crop)	50	4000 nuts	72000	46800
Livestock 1	Dairy (HF cows)	2 no's	3750 l	105000	63000
Total				661900	354685

2) Status in 2020

Component Description		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(Kharif)	2.00 ac	22q	42900	30030	37.5	113.8
Field Crop 2	Groundnut (Rabi)	2.00 ac	20 q	116000	81200	25.0	47.3
Hort Crop 1	Areca nut	2.00 ac	18 q	576000	403200	20.00	99.92
Hort Crop 2	Coconut (all along the plot)	50 nos	6500 nuts	130000	91000	62.5	94.4
Livestock 1	Dairy (HF cow)	2 no's	6250 l	160000	104000	33.3	65.1
Total				1024900	709430		100.0

Brief: The farmer was getting net annual income of **Rs. 354685/-** from paddy, groundnut, areca nut, coconut & dairy/animal husbandry. He faced problems like, Low yielding, Pest problem, Poor nutrient mgt. With DFI interventions like HYV, IPM modules, ICM modules helped in getting Net annual income of **Rs 709430/-**.





Name of farmer: Ravi Kharvi

Address: S/o Koya Kharvi

Talluru Kote Bagilu, Kundapura Tq, Udupi Dist

Karnataka

Age: 36

Education: SSLC

Size of the Cages : 6.5X6.5X20 ft. Number of Cages - 4

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	4 cages	30.8 q	1386000	623200
Total				1386000	623200

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	4 cages	63.4 q	2800000	1560500	105.84	150.40
Total				2800000	1560500	-	150.40

Brief: The farmer was getting net annual income of **Rs.623200/-** from cage culture of Asian seabass fish in 4 cages of size 6.5X6.5X20 ft each for a period 18 months of culture period. He had faced yield related problems due to high stocking density and imbalanced feeding rate. After the DFI intervention guided him to maintain proper stocking density, feeding method, feeding rate and periodical grading for even size and even growth through training programs and demonstrations. Our regular visits given him a promising results to come out of the problems he was facing. We have observed the yield increase and the income from 4 cages of 18 months culture is **Rs. 1560500/-**.



Farmer with harvested fis



Name of farmer: C. Shambhu Shetty

Address: Heggunje Village, Mandarthi, Brahmavar Tq. Udupi

Karnataka

Age: 67

Education: B. A.

Size of land holding (in acre): 3.00 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	0.50 ac	1600 no's	12800	6800
Hort. Crop 2	Arecanut	1.00 ac	3.50 q	101500	47500
Hort. Crop 3	Cashew	1.50 ac	1.50 q	20000	16800
Hort. Crop 4	Black Pepper (Intercrop)	600 no's	1.50 q	112500	84500
Hort. Crop 5	Cocoa (Intercrop)	85 no's	0.75 q	12000	8200
Livestock 1	Cow	1 no.	410 l	11890	5945
Total				270690	169745

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	0.50 ac	1800 no's	27000	18500	12.50	172.06
Hort. Crop 2	Arecanut	1.00 ac	9.90 q	405900	280900	182.86	491.37
Hort. Crop 3	Cashew	1.50 ac	2.00 q	28500	20000	33.33	19.05
Hort. Crop 4	Black Pepper (Intercrop)	600 no's	1.50 q	46500	42700	0.00	-49.47
Hort. Crop 5	Cocoa (Intercrop)	85 no's	1.00 q	16000	12200	33.33	48.78
Livestock 1	Cow	2 no.	2100 l	67200	33600	412.20	465.18
Total				591100	407900	-	140.30

Brief: The farmer was getting net annual income of Rs. **169745/-** from coconut, arecanut, cashew, black pepper, cocoa andd. He faced problems like nut drop in coconut, arecanut, tea mosquito and fodder problem etc. With DFI interventions like INM, IPDM, ICM demonstrations, Exposure visits, Capacity building and CO4 fodder introduction he is getting net annual income of Rs **407900/-**.





Name of farmer: Vinaykumar Shetty S/o Jayaram
Address: Sankadi melmane, Kavadi Post Tq,
Brahmavara, Udupi Dist
 Karnataka
Age: 45
Education: II PUC
Size of land holding (in acre): 5.50 ac

1) Status in 2016

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 ac	28.75 q	48125	18125
Hort. Crop 2	Coconut	1.53 ac	3855 nuts	30800	8800
Fisheries	Composite culture of carps	1 ac	14.5 q	174000	104400
Livestock	Cross breed cattle	1 no's	1360 l	37800	15120
Total				290725	146445

2) Status in 2020

Component Description		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	44.80 q	86160	51160	55.83	182.26
Hort. Crop 2	Coconut	1.53	6300 nuts	94620	59620	63.84	577.50
Fisheries 1	Composite Culture of carps	1 ac	32.5 q	390000	241800	124.14	131.61
Livestock 1	Cross breed cattle	1 no's	1800 l	54000	21600	32.35	42.86
Total				624780	374180	-	155.51

Brief: The farmer was getting net annual income of **Rs. 146445/-** from Paddy, coconut and Dairy production. Due to lack of Scientific cultivation, he has faced problems like low productivity in paddy, Coconut, Fisheries and Dairy farming etc. After the KVK interventions through capacity building programmes, field visit and timely advisories from KVK scientists . he is getting annual income of **Rs. 374180/-**



Fish pond, Dairy, Paddy field and Coconut plantation



Name of farmer: Amarnath Chathra

Address: Hallihole, Siddapura (Po. and village), Kundapura Tq.,
Udupi Dt.

Karnataka

Age: 53 years

Education: BA

Size of land holding (in acre): 8.50 ac

1) Status in 2016

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	Arecanut	4.20 ac	33.50 q (Processed Chali Nuts)	904500	518400
Hort. Crop 2	Coconut	2.40 ac	17850 nuts	142800	91900
Total				1047300	610300

2) Status in 2020

Component Description		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	Arecanut	6.00 ac	48.50 q (Processed Chali Nuts)	1843000	1171000	44.78	125.89
Hort. Crop 2	Coconut	2.40 ac	18500 nuts	231250	153200	3.64	66.70
Hort. Crop 3	Black pepper (Intercrop in arecanut garden)	560 vines (1.03 ac)	4.50 q	171000	117800		
Total				2245250	1442000	-	136.28

Brief: The farmer Sri Amarnath Chathra was getting net annual income of Rs. **610300** from arecanut and coconut. He faced problems like inflorescence dieback, immature nut dropping due to imbalanced nutritional management in arecanut and coconut. With KVK technological interventions in nutritional management in arecanut and coconut, introduction of black pepper as intercrop and control of inflorescence die back in arecanut, he is getting net annual income of **Rs 1442000**.



Demonstration of INM and introduction of black pepper as intercrop in arecanut garden



Name of farmer: Govardhan Kharvi
Address: S/o Venkata Kharvi, Motimane, Karkikali, Uppunda, Byndur Tq, Udupi Dist Karnataka
Age: 30
Education: SSLC
Size of the Cages : 6.5X6.5X12 ft. Number of Cages - 2

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	2 cages	12 q	540000	216000
Total				540000	216000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	2 cages	25 q	1125000	652500	108.33	202.08
Total				1125000	652500	-	202.08

Brief: The farmer was getting net annual income of **Rs.216000/-** from cage culture of Asian seabass fish in 2 cages of size 6.5X6.5X12 ft each. The culture duration was 18 months. He had faced yield related problems due to unscientific management. After the DFI intervention trained him through training programs and demonstrations. Our regular visits given him better results. The yield has increased and the income from 2 cages of 18 months culture is **Rs. 652500/-**

Farmer with his Cage





Effect of DFI intervention

Name of KVK: ICAR-KVK, Udupi

Name of farmer: Sri Shyam Prasad Bhat

Address: Annpoorna, Pethri, Kannar village, Brahmavar Taluk, Udupi Dt.

Karnataka

Age: 55

Education: PUC

Size of land holding (in acre): 7.5 ac

1) Status in 2016

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	1.00 ac	10.50 q	14700	8600
Hort. Crop 1	Arecanut	2.70 ac	24.50 q (Processed Chali Nuts)	514500	255250
Hort. Crop 2	Coconut (Border and road side planting)	2.10 ac (150 No.s)	12300 nuts	135300	89000
Hort Crop 3	Black pepper (Intercrop in arecanut)	1.25 (700 Vines)	3.50 q (Processed black pepper)	157500	98600
Livestock 1	Cross breed cow	3 No's	2300 l	64400	34500
Other enterprise	Nursery (Arecanut, coconut)	0.25 ac	25300 Seedlings	657800	304900
Total				1544200	790850

2) Status in 2020

Component Description		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	1.00 ac	11.00 q	17600	10100	4.76	17.44
Hort. Crop 1	Arecanut	3.80 ac	31.40 q (Processed Chali Nuts)	1193200	836000	-8.94	200.44
Hort. Crop 3	Coconut (Border and road side planting)	2.10 ac (150 No.s coconut palms)	13400 nuts	174200	122000	8.94	37.07
Hort. Crop 4	Black pepper (Intercrop in arecanut garden and pure crop using columnar structure)	1.90 ac (950 Vines)	4.20 q (Processed black pepper)	161700	99950	-21.05	1.36
Livestock 1	Cross breed cow	3 No's	2650 l	84800	46300	15.21	34.20
Other enterprise	Nursery (Arecanut, coconut, Black pepper,	0.50 ac	35600 Seedlings and grafted plants	996800	468400	-29.64	53.62
Total				2628300	1582750	-	100

Brief: The farmer Sri Shyam Prasad Bhat was getting annual income of **Rs. 790850** from arecanut, coconut, black pepper, raising nursery and milking three cross breed cows. ICAR-KVK, Udupi intervened with IFS components and INM in his farm wherein the cost of production was reduced and increase in yield output was observed in plantation crops. With the technological interventions by KVK, Udupi he is getting an annual income of **Rs 1582750**.



Columnar method of black pepper cultivation and scientific method of raising arecanut nursery

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Punith Rai S/o Radhakrishna Rai
 Address: Pethri, Brahmavara Tq, Udupi Dist
 Karnataka
 Age: 29
 Education: B.F.Sc
 Size of land holding (in acre): 2.5 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Shrimp culture in extensive mode – 2 crops	2.5 ac	38 q	1100000	418000
Total				1100000	418000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries 1	Shrimp culture in Intensive mode – 2 crops	2.5 ac	80 q	2400000	960000	110.53	129.67
Total				2400000	960000	-	129.67

Brief: The farmer was getting net annual income of **Rs.418000/-** from 2 crops of Shrimp farming. He was facing low survival and yield related problems due seed quality, improper stocking density and poor management. As part of DFI interventions introduced fast growing and good quality seeds and guided to maintain proper stocking density, feeding rate and usage of probiotics resulted good yield and survival rate which made him to earn an annual income of **Rs.960000/-**



Shrimp pond



Harvest



Name of farmer: Pramod Mindan S/o Sanjeeva Mindan
Address: Mattu, Hejamadi Tq, Kaup Dist
 Karnataka
Age: 28
Education: MFSC
Size of land holding (in acre): 3 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Shrimp culture in extensive mode – 2 crops	3 ac	85 q	2125000	850000
Total				2125000	850000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Biofloc – 2 crops	3 ac	180 q	5040000	2116800	111.76	149.04
Total				5040000	2116800	-	149.04

Brief: The farmer was getting net annual income of **Rs.850000/-** from 2 crops of Shrimp farming in extensive mode. He was facing low survival and yield related problems due over stocking and poor management. As part of DFI interventions introduced Biofloc technology for higher stocking density with proper management yielded the 500 times increase in yield and 466.67 % increase in annual income which made him to earn an annual income of **Rs.2116800/-**



Culture of shrimp in Biofloc system



Harvest



Name of farmer: Sudarshan Athikari

Address: S/o Gunapal Hegde, Bhavanthabettu, Hadiyangadi post, Shirlala,

Karkala tq, Udupi

Karnataka

Age:48

Education: BBM

Size of land holding (in acre): 20 ac

1) Status in 2016

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 ac	14.00 q	19600	9300
Hort. Crop 1	Arecanut	12 ac	74.00 q	1850000	1163000
Hort. Crop 2	Coconut	3 ac	4400 nuts	35200	24200
Hort. Crop 3	Black Pepper (Intercrop)	1 ac	2.40 q	103200	86000
Total				2008000	1282500

2) Status in 2020

Component Description		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 ac	18.00 q	39600	22700	28.57	144.09
Hort. Crop 1	Arecanut	12 ac	90.00 q	3690000	2515450	21.62	116.29
Hort. Crop 2	Coconut	3 ac	6000 nuts	108000	96000	36.36	296.69
Hort. Crop 3	Black Pepper (Intercrop)	1 ac	3.00 q	102000	87000	25.00	1.16
Total				3939600	2721150		112.18

Brief: The farmer was getting annual net income of Rs. **1282500/-** from his 20 acres of land from Paddy, Arecanut, Coconut, Pepper etc. He faced problems like, pests and diseases in arecanut, nut dropping in coconut and arecanut, low yielding in all the crops, etc. His net annual income has doubled upto Rs. **2721150/-** with DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut, etc.



Arecanut Plantation (Demonstration plot)

Coconut Plantation



Effect of DFI intervention

Name of KVK: UDUPI

Name of farmer: Lakshman Vagle

**Address: Arasu bailu house, Shirlala Village, Karkala tq, Udupi
Karnataka**

Age: 48

Education: SSLC

Size of land holding (in acre): 3.1 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.0 ac	16 .00 q	22400	13000
Hort. Crop 1	Arecanut	2 ac	17.00 q	476000	356400
Hort. Crop 2	Coconut	0.8 ac	1600 nuts	9600	8000
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	1.00 q	43000	36400
Livestock 1	Dairy (Cross breed)	3 Nos	2500 l	72500	34200
Total				623500	448000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.0 ac	25.00q	55000	31500	56.25	142.31
Hort. Crop 1	Arecanut	2 ac	24.00 q	984000	710800	41.18	99.13
Hort. Crop 2	Coconut	0.8 ac	2000 nuts	36000	32000	25.00	300.00
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	1.50 q	49500	42000	50.00	15.38
Livestock 1	Dairy (Cross breed)	7 Nos	6000 l	174000	80000	140.00	133.92
Total				1298500	896300		100

Brief: The farmer was getting annual net income of **Rs. 448000/-** from paddy, arecanut, coconut, pepper, dairy etc. He faced problems like low yielding because of pests and disease, nut dropping in coconut and arecanut, pepper quick wilt etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut, etc., he is getting annual net income of **Rs. 896300/-**.



Coconut Plantation



Arecanut Plantation

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Sadananda Nayak

Address: Darkasthu house, 38-Kalthuru, Santhekatte post, Brahmavar tq, Udupi Dist
Karnataka

Age: 50

Education: B.com

Size of land holding (in acre): 4.17 ac

1) Status in 2016

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 ac	18.00 q	26100	13000
Hort. Crop 1	Arecanut	0.5 ac	3.50 q	98000	80500
Hort. Crop 2	Coconut	0.5 ac	550 nuts	4400	3025
Hort. Crop 3	Black Pepper (Inter crop)	0.5ac	0.70 q	30100	25900
Hort. Crop 5	Cocoa (Inter crop)	20 No's	1.2 q	23400	17850
Hort. Crop 6	Cashew	1.00 ac	1.8 q	13500	9000
Livestock 1	Cattles (Cross breed)	3 No's	3500 l	101500	48750
Total				297000	198025

2) Status in 2020

Component Description		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 ac	21.00 q	37800	22050	16.67	69.62
Hort. Crop 1	Arecanut	0.5 ac	6.00 q	246000	198000	71.43	145.96
Hort. Crop 2	Coconut	0.5 ac	750 nuts	13500	10500	36.36	247.11
Hort. Crop 3	Black Pepper (Inter crop)	0.5ac	1.20 q	39600	33600	71.43	29.73
Hort. Crop 4	Banana (Inter crop)	0.5 ac	4.00 q	13550	10000	>100	>100
Hort. Crop 5	Cocoa (Inter crop)	20 No's	1.50 q	29250	22320	25.00	25.04
Hort. Crop 6	Cashew	1.00 ac	2.00 q	25000	20000	11.11	122.22
Hort. Crop 7	Turmeric	0.25 ac	-	29850	25000	>100	>100
Livestock 1	Cattles (Cross breed)	5 No's	6000 l	174000	85000	71.43	74.36
Total				608550	426470	-	115.36

Brief: The farmer named Sadananda nayak is an IFS farmer was getting annual net income of Rs. **198025/-** from Paddy, Arecanut, Coconut, Cocoa, Cashew, Pepper, Dairy etc. He faced problems like low yielding because of pests and diseases in arecanut, coconut, cashew, Quick wilt in Black pepper, etc. DFI interventions like INM in almost all the crops, IPDM practices, along with implementation of IFS module in his farm, he is getting annual net income of Rs. **426470/-**



Cashew plantation



Arecanut plantation



Arecanut intercropped with Black pepper



Effect of DFI intervention

Name of KVK: KVK, Udupi

Name of farmer: Chandra Kharvi

Address: Karkikali, Uppunda, Byndur Tq, Udupi Dist
Karnataka

Age: 42 Education: SSLC

Size of the Cages : 6.5X6.5X20 ft. Number of Cages - 4

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	4 cages	28 q	1260000	504000
Total				1260000	504000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	4 cages	57 q	2565000	1282500	103.57	154.46
Total				2565000	1282500	-	154.46

Brief: The farmer was getting net annual income of **Rs.504000/-** from cage culture of Asian seabass fish in 4 cages of size 6.5X6.5X20 ft each, the culture period was 18 months. He had faced low yield problem due to poor survival rate. After the DFI intervention guided him for periodical grading of the fishes till they reach more than 100gm. The periodical grading is very important step to be followed in seabass culture to avoid cannibalism. And also trained him through training programs, demonstrations, our repeated field visits and feed management advices made him to earn good market price and his income from 18 months cage culture is **Rs. 1282500/-**



Cage Culture



Farmer with harvested fish



Name of farmer: P Ramesh Herle

Address: S/O Ramachandra Herle, Parampalli (v), Saligrama

Karnataka

Age: 58 years

Education: M.Com

Size of land holding (in acre): 5 ac

1) Status in 2016

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 (Kharif)	3.00 ac	10.00 q	49500	35200
Hort Crop 1	Vegetables (rabi) (Bhendi, Cowpea, Ridgegourd)	2.00 ac	30 q/ac	180000	108000
Hort Crop 2	Coconut	2.00 ac	5600	112000	84000
Livestock 1	Dairy (Jersey cows)	2 Nos	4000	120000	78000
Total				461500	305200

Component Description		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(Kharif)	3.0 ac	14.00 q	75600	56700	40	61
Hort Crop 1	Vegetables in rabi 1. Bhendi 2. Yard long bean 3. Avade 4. Colour cucumber 5. Ash gourd	3.0 ac	45 q/ac	337500	236250	50	118
Hort Crop 2	Coconut	2.0 ac	9600	201600	151200	71	80
Livestock 1	Dairy	2 Jersey Cow	5000	160000	105600	25	35
	Vermicompost	15 m ³	80 q	76000	60800	>100	>100
Total				850700	610550		100

Brief: The farmer was getting net annual income of **Rs. 305200/-** from Paddy, Vegetables, Coconut & Dairy/Animal Husbandry. He faced problems like, poor nutrient management. Cropping rotation, intercropping and land utilization pattern With DFI interventions like INM and ICM, High yielding varieties in vegetables, STCR based nutrient management has helped in getting Net annual income of **Rs. 610550/-**





Name of farmer Balakrishna Rao

Address: S/O Sitharam Bhat, Nadumane, Kapu
Karnataka

Age: 60 years

Education: B.A

Size of land holding (in acre): 3.5 ac

1) Status in 2016

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 (Kharif)	2.00 ac	24	39600	23760
Field Crop 2	Paddy (Rabi)	2.00 ac	28	50400	40320
Hort Crop 1	Arecanut	1.5 ac	11.25	198750	139125
Hort Crop 2	Coconut as Border crop	60 numbers	4800	96000	67200
Livestock 1	Dairy (Jersey cows)	2 Nos	2500	70000	42000
Total				454750	312405

2) Status in 2020

Component Description		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(Kharif)	2.0 ac	30	57000	42750	25	80
Field Crop 1	Paddy(Rabi)	2.0 ac	36	68400	54720	28	36
Hort Crop 1	Arecanut	1.5 ac	67.5	337500	236250	50	69.81
Hort Crop 1.1	Banana for leaf	-	8000	48000	43200	>100	>100
Hort Crop 2	Coconut	60 number	7200	151200	120960	50	80
Livestock 1	Dairy	3 Jersey + HF Cow	6000	192000	134400	60	220
Total				854100	632280		102.39

Brief: The farmer was getting net annual income of **Rs. 312405/-** from Paddy, Arecanut, Coconut & Dairy/Animal Husbandry. He faced problems like, ICM concept, Low yielding variety in paddy, intercropping and land utilization pattern With DFI interventions like INM and ICM, High yielding varieties in vegetables, STCR based nutrient management has helped in getting Net annual income of **Rs. 632280/-** with % increase income of **102.39%**.





Name of farmer: Babu Kharvi

**Address: Tarapathi, Uppunda, Byndur Tq, Udupi Dist
Karnataka**

Age: 35

Education: SSLC

Size of the Cages : 6.5X6.5X12 ft. Number of Cages - 2

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	2 cages	11 q	495000	222750
Total				495000	222750

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	2 cages	23.5 q	1057500	560475	113.64	151.62
Total				1057500	560475	-	151.62

Brief: The farmer was getting net annual income of **Rs.222750/-** from cage culture of Asian seabass fish in 2 cages of size 6.5X6.5X12 ft each. The culture duration was 18 months. He had faced yield related problems due to unscientific management. After the DFI intervention trained him through training programs and demonstrations. Our regular visits given him better results. The yield has increased and the income from 2 cages of 18 months culture is **Rs. 560475/-**



Farmer with his Cage



cage harvest



Name of farmer: Sri Sathyananda Nayak

Address: Benkechimaruru House, Shirlalu Village, Hadiyangadi (Po), Karkala

Taluk, Udupi Dt.

Karnataka

Age: 38 years

Education: BSc

Size of land holding (in acre): 10.10 ac

1) Status in 2016

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	2.00 ac.	28.00 q	40600	27500
Hort. Crop 1	Arecanut	3.10 ac.	26.35q (Processed Chali Nuts)	579700	275900
Hort. Crop 2	Coconut	4.42 ac.(310 No.s)	21390 nuts	203200	121300
Hort. Crop 3	Black pepper (Intercrop in arecanut)	3.50 ac. (1950 Vines)	9.50 q (Processed black pepper)	266000	149000
Livestock 1	Cross breed cow	10 No.s	19200 l	499200	224600
Total				1588700	798300

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	0.90 ac.	12.00 q	22200	12600	-57.14	-54.18
Hort. Crop 1	Arecanut	4.20ac.	35.70 q (Processed Chali Nuts)	1356600	961800	35.48	248.60
Hort. Crop 3	Coconut	4.42 ac (310 No.s)	23200 nuts	336400	218800	8.46	80.37
Hort. Crop 4	Black pepper (Inter crop in arecanut garden)	2.67 ac. (1450 Vines)	14.25 q (Processed black pepper)	470250	345550	52.63	131.91
Livestock 1	Cross breed cow	6 No's	7500 l	240000	115200	-60.93	-48.70
Total				2425450	1653950	-	107.18

Brief: The farmer Sri Sathyananda Nayak was getting net annual income of **Rs. 798300** from arecanut, coconut and milking 10 cross breed cows. ICAR-KVK, Udupi intervened with IFS components and INM in his farm wherein the cost of production was reduced and increase in yield output was observed in plantation crops. With the technological interventions by KVK, Udupi he is getting net annual income of **Rs 1653950**.



Demonstration of Integrated Nutrient Management in arecanut

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Shabarish Suvarna S/o Shrinivas
 Address: Jakku bettu, Herde, Perdur Tq, Udupi Dist
 Karnataka
 Age: 45
 Education: II PUC
 Size of land holding (in acre): 13 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	6.00 ac	144.00 q	172800	76800
Hort. Crop 1	Arecanut	3.00 ac	9.50 q	240000	167000
Hort. Crop 2	Coconut	1.00 ac	3000 nuts	24000	12000
Fisheries	Composite culture of carps	1.00 ac	12.5	150000	80000
Livestock 1	Goat	30	7.5 q	300000	180000
Livestock 2	Poultry birds (Local)	1000 Nos	10 q	250000	175000
Livestock 3	Cattles (CB cows)	40 Nos	48000 l	1344000	537600
Total				2480800	1228400

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	6.00 ac	192.00 q	345600	201600	33.33	162.50
Hort. Crop 1	Arecanut	3.00 ac	25 .00 q	1015000	840000	163.16	402.99
Hort. Crop 2	Coconut	1.00 ac	4460 nuts	63000	45000	48.6	275.00
Fisheries	Composite culture of carps	1.00 ac	31 q	372000	223200	148.00	179.00
Livestock 1	Goat	30 Nos	12.50 q	540000	325000	66.67	80.56
Livestock 2	Poultry birds	1000 Nos	17.5 q	437500	262500	75.00	50.00
Livestock 3	Cattles (CB cows)	40 no's	72000 l	2016000	964000	50.00	79.32
Total				4789100	2861300		132.93

Brief: The farmer was getting net annual income of **Rs.1228400/-** from Paddy, Areca, Coconut, Fisheries, Goat, Poultry and Dairy. He was facing yield related problems, disease incidences and survival problems. As part of DFI interventions introduced new disease resistant fast growing hard fish varieties which can fetch good price in local market and IPDM, ICM and IFS module. As a result, the farmer is getting an annual income of **Rs.2861300/-**



Paddy plot and farmer with the harvested paddy



Dairy and Goat units



Local poultry birds and fish pond



Name of farmer: Ashwath Narayan Prabhu

Address: Arasu bailu, Sri Devi Nilaya, Hadiyangadi post, Shirlala Village, Karkala tq, Udupi

Karnataka Age: 53

Education: SSLC

Size of land holding (in acre): 3.84 ac

1) Status in 2016

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 ac	8.00 q	11040	8800
Hort. Crop 1	Arecanut	1 ac	7.00 q	196000	161000
Hort. Crop 2	Coconut	1.25 ac	1700 nuts	13600	9350
Hort. Crop 3	Black pepper (Intercrop)	0.5 ac	0.70 q	30100	25900
Livestock 1	Dairy (Cross breed)	3 No.	3000 l	87000	41500
Total				337740	246550

2) Status in 2020

Component Description		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	0.8 ac	11.00 q	18700	12100	37.50	37.50
Hort. Crop 1	Arecanut	1 ac	12.00 q	456000	384000	71.43	138.51
Hort. Crop 2	Coconut	1.25 ac	2300 nuts	41400	32200	35.29	244.39
Hort. Crop 3	Black pepper (Intercrop)	0.8 ac	1.30 q	42900	37700	85.71	45.56
Hort. Crop 4	Banana (Intercrop)	1.8 ac	9.000q	18900	11700	>100	>100
Livestock 1	Dairy (Cross breed)	6 No.	8000 l	232000	126000	166.67	203.61
Total				809900	603700	-	144.86

Brief: The farmer was getting annual net income of Rs. **246550/-** from paddy, arecanut, coconut, pepper dairy etc. He faced problems like low yielding, pests and diseases in arecanut, nut dropping in coconut and arecanut, etc. With DFI interventions like INM in coconut and arecanut, IPDM in arecanut, etc., he is getting annual net income of Rs. **603700/-**. Now he is shifting towards Organic Agriculture.



FLD demonstrated Arecanut Plantation



Dairy unit



Name of farmer: Sathish Nayak

Address: Deshimaru, Shirlala Village, Karkala tq, Udupi
Karnataka

Age:

Education: 8th Std.

Size of land holding (in acre): 7 ac

1) Status in 2016

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 ac	14.00 q	19600	12400
Hort. Crop 1	Arecanut	2 ac	27.00 q	675000	424840
Hort. Crop 2	Coconut	2.5 ac	2600 nuts	20800	13000
Hort. Crop 3	Black Pepper (Intercrop)	1 ac	1.50 q	64500	57000
Livestock 1	Dairy (Cross breed)	2 No.	2400 l	69600	32800
Total				849500	540040

2) Status in 2020

Component Description		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 ac	30 .00q	51000	36000	114.29	190.32
Hort. Crop 1	Arecanut	2 ac	40.00 q	1220000	888960	48.15	109.25
Hort. Crop 2	Coconut	2.5 ac	3000 nuts	48000	35865	15.38	175.88
Hort. Crop 3	Black Pepper (Intercrop)	1 ac	2.00 q	66000	58000	33.33	1.75
Livestock 1	Dairy (Cross breed)	5 No.	7400 l	214600	107300	208.33	227.13
Total				1599600	1126125	-	108.53

Brief: The farmer was getting annual net income of Rs. **540040/-** from paddy, arecanut, coconut, pepper dairy etc. He faced problems like low yielding, pests and diseases, nut dropping in coconut and arecanut, etc. DFI interventions like INM in all the crops, IPDM in arecanut & Black pepper, etc., his net annual income has doubled upto Rs. **1126125/-**.



Paddy field



Arecanut intercropped with
Black pepper



Mixed cropping



Name of farmer: Sandeshkumar Pujari S/o Raghava Pujari

Address: Kukkude, Haradi, BrahmavaraTq, Udupi Dist

Karnataka

Age: 35

Education: SSLC

Size of land holding (in acre): 3.00 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Paddy	1.5 ac	24.75 q	34650	14650
Hort. Crop	Coconut	0.50 ac	1650 nuts	19800	12700
Fisheries	Composite Culture of carps	1.0 ac	15.20 q	182400	100320
Total				236850	127670

2) Status in 2020

Component Description		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	Paddy	1.5 ac	28.50 q	62700	40700	15.15	177.82
Hort. Crop	Coconut	0.5 ac	2340 nuts	42120	37620	41.82	196.22
Fisheries	Composite Culture of carps with other species	1.00 ac	31 q	372000	223200	103.95	122.49
Total				476820	301520		136.17

Brief: The farmer was getting net annual income of **Rs. 127670/-** from Paddy, Coconut and Fisheries. He faced problems like chaffiness in paddy, nut drop in Coconut and low yield in all the components. With DFI interventions like ICM in paddy and IFS demonstration through training programs and our regular visits and timely advises made him to get net annual income of **Rs. 301520/-**.



Farmer with fish pond and paddy harvest



Name of farmer: Gururaj Bhat

Address: Deviprasad, Uliyar, Majuru post, Kaup Tq., Udupi dist.

Karnataka

Age: 52

Education: SSLC

Size of land holding (in acre): 2.5 ac

1) Status in 2016

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	2.00 ac	32.00 q	44800	26100
Hort. Crop 1	Arecanut	0.25 ac	2.50 q	52075	40750
Hort. Crop 2	Coconut	0.75 ac	1600 nuts	28800	22400
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.50 q	19000	15750
Hort. Crop 4	Mixed Vegetables	0.3 ac	3.80 q	10750	7250
Livestock 1	Cattles (Cross breed)	1 No's	1200 l	34800	16400
Total				190225	128650

2) Status in 2020

Component Description		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 ac	38.00 q	68400	33000	18.75	26.44
Field Crop 2	Sesame	1 ac	2.00 q	24000	20000	>100	>100
Hort. Crop 1	Arecanut	0.25 ac	3.00 q	123000	102800	20.00	152.27
Hort. Crop 2	Coconut	0.75 ac	2000 nuts	36000	28000	25.00	25.00
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.60 q	22800	19200	20.00	21.90
Hort. Crop 4	Mixed Vegetables	0.5 ac	9.00 q	22500	15000	136.84	106.90
Livestock 1	Cattles (Cross breed)	3 No's	3700 l	107300	53650	208.33	227.13
Total				404000	271650	-	111.15

Brief: The farmer was getting annual net income of Rs. **128650/-** from Paddy, Arecanut, Coconut, Pepper, vegetables, Dairy etc. With DFI interventions like INM in all the crops, IPDM in Pepper, Coconut, arecanut, etc., he is getting annual net income of Rs. **271650/-**



Paddy field



Arecanut and Coconut Plantation



Name of farmer: Anitha w/o Ravi Pujari
Address: Kukkude, Brahmavara Tq, Udupi Dist
 Karnataka
Age: 46
Education: BA
Size of land holding (in acre): 3.5 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop	Coconut	1.20 ac	6000 nuts	48000	30000
Fisheries	Composite Culture of carps	2.0 ac	32 q	384000	172800
Total				432000	202800

2) Status in 2020

Component Description		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	Coconut	1.20 ac	8800 nuts	123200	94800	46.67	216.00
Fisheries 1	Composite Culture of carps	2.0 ac	62.50 q	750000	412500	95.31	138.72
Total				873200	507300		150.15

Brief: The farmer was getting net annual income of **Rs.202800/-** from Coconut and Fisheries. She was facing yield related problems and marketing issues. During the DFI intervention our regular visits, guidance and also we trained her through training programs and demonstrations about yield enhancement. The farmer has got good yield as well as good market price for their produce through our marketing linkage effort made her to earn net annual income of **Rs.507300/-**



Farmer with fish pond and coconut plot



Name of farmer: Vikyath Shetty

Address: Vimala Dairy farm, Heggunte village, Mandartha post, Brahmavar Tq.,
Udupi dist.

Karnataka

Age: 48

Education: M.A. (Engg.)

Size of land holding (in acre): 6.5 ac

1) Status in 2016

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	2.00 ac	24.00 q	33600	19120
Hort. Crop 1	Areca nut	2.25 ac	25.00 q	520750	367000
Hort. Crop 2	Coconut	1.7 ac	3800 nuts	30400	20900
Hort. Crop 3	Black Pepper (Intercrop)	2 ac	2.60 q	98800	83200
Livestock 1	Cattles (Cross breed)	15 No's	26000 l	754000	357000
Total				1437550	847220

2) Status in 2020

Component Description		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	2.00 ac	28.00 q	50400	28200	16.67	47.49
Hort. Crop 1	Areca nut	2.25 ac	29.00 q	1189000	952000	16.00	159.62
Hort. Crop 2	Coconut	1.7 ac	6000 nuts	108000	84000	57.89	301.91
Hort. Crop 3	Black Pepper (Intercrop)	2 ac	3.00 q	114000	96000	15.38	15.38
Livestock 1	Cattles (Cross breed)	20 No's	30000 l	870000	535000	15.38	49.86
Total				2331400	1695200	-	100

Brief: The farmer was getting annual net income of Rs. **847220/-** from Paddy, Areca nut, Coconut and mainly from Animal Husbandry etc. With DFI interventions like INM in Coconut and Areca nut, IPDM in areca nut, etc., he is getting annual net income of Rs **1695200/-**



Areca nut plantation intercropped with Black pepper



Coconut plantation



Name of farmer: Ganesh Udupa

Address: Beach road, Koteswara, Kundapura tq., Udupi dist.

Karnataka

Age: 54

Education: B. Com

Size of land holding (in acre): 4 ac

1) Status in 2016

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 ac	45.00 q	63000	39600
Field Crop 2	Black gram (After paddy)	1.0 ac	2.50 q	15000	10650
Hort. Crop 1	Arecanut	0.5 ac	5.50 q	114570	89650
Hort. Crop 2	Coconut	1.4 ac	2300 nuts	18400	12650
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.50 q	19000	16500
Livestock 1	Cattles (Cross breed)	1 No's	1350 l	39150	18650
Total				269120	187700

2) Status in 2020

Component Description		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 ac	60.00 q	108000	56100	33.33	41.67
Field Crop 2	Black gram (After paddy)	2.5 ac	6.50 q	45500	39300	160	269.01
Hort. Crop 1	Arecanut	0.5 ac	7.00 q	287000	229800	27.27	156.33
Hort. Crop 2	Coconut	1.4 ac	2900 nuts	52200	41600	26.09	228.85
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.60 q	22800	19200	20.00	16.36
Livestock 1	Cattles (Cross breed)	3 No's	5000 l	145000	70500	270.37	278.02
Total				660500	456500	-	143.21

Brief: The farmer was getting annual net income of Rs. **187700/-** from Paddy, Black gram, Arecanut, Coconut, Dairy etc. He faced problems like low yielding, diseases in Black pepper, arecanut, etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut & Black pepper, etc., he is getting annual net income of Rs. **456500/-**





Name of farmer: Shankar Kunder

Address: saligrama, Kundapur Tq, Udupi Dist

Karnataka

Age: 48

Education: SSLC

Size of the Rack : 12X20m, Number of Racks - 2

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Green Mussel Culture in Rack method	2 Racks of size 12X20m	32000 Pieces	96000	68000
Total				96000	68000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Green Mussel Culture in Rack method	2 Racks of size 12X20m	84000 Pieces	252000	224000	162.5	229.41
Total				252000	224000	-	229.41

Brief: The farmer was getting net annual income of **Rs.68000/-** from Green mussel culture. He had faced yield related problems due to uneven spread of seeded seeds, slipping of mussels and exposure of seeded rope during low tide resulted in low yield. During the DFI intervention we trained him through training programs and demonstrations. Our regular visits and guidance made him to earn net annual income of **Rs.224000/-**



Green Mussel culture in Rack Method



Farmer with harvested Green Mussel



Name of farmer: Sri Pundarika Madyastha

Address: S/o Sridhara Madyastha, Kirimanjeshwara, Byndoor Tq. Udupi Dt.

Karnataka

Age: 55 years

Education: BCom

Size of land holding (in acre): 4.30 ac

1) Status in 2016

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	3.00 ac. <i>Kharif</i>	45.00 q	74250	45750
Field Crop 2	Ground nut	1.25 ac <i>Rabi</i>	10.50 q	47250	33050
Hort. Crop 1	Watermelon	1.75 ac. <i>Rabi</i>	210.00 q	136500	73500
Hort. Crop 2	Coconut	1.00 ac.(72 No.s)	6750 nuts	64100	53600
Livestock 1	Cross breed cow	05 No.s	5900 l	153400	78800
Total				475500	284700

2) Status in 2020

Component Description		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	3.00 ac. <i>Kharif</i>	46.50 q	83700	56400	3.33	23.27
Hort. Crop 1	Watermelon	5.00 ac. <i>Rabi</i> (2.00 ac. Leased land)	675 q	573750	375700	221.42	411.15
Hort. Crop 3	Coconut	1.00 (72 No.s)	7100 nuts	99400	88400	5.18	64.92
Other enterprise	Custom hiring (Paddy Nursery raising, land preparation and mechanical transplanting)	25 ac.		175000	94600	>100	>100
Total				931850	615100	-	116.05

Brief: The farmer Sri Pundarika Madhyastha was getting net annual income of **Rs. 284700** from paddy, groundnut, watermelon and milking 5 cross breed cows. ICAR-KVK, Udupi intervened with scientific cultivation of watermelon in his field wherein the increase in yield output was observed in watermelon. With the technological interventions by KVK, Udupi he is getting net annual income of **Rs 615100**.



Demonstration of watermelon Hybrid Arka Akash



Name of farmer: Jayaraj S/o K A Narayanan

**Address: Kapil house near church, Jakkal Post and Village,
Kundapur Tq, Udupi Dist
Karnataka**

Age: 46

Education: Diploma (Mechanical)

Size of the Tanks : 20000 lt capacity 8 tanks

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Tilapia culture in Biofloc system	8 tanks of 20000 lt capacity	33.28 q	499200	244608
Total				499200	244608

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Tilapia culture in Biofloc system	8 tanks of 20000 lt capacity	72 q	1080000	561600	116.35	129.59
Total				1080000	561600	-	129.59

Brief: The farmer was getting net annual income of Rs.244608/- from Tilapia fish culture in Biofloc system. He had faced yield related problems due to low stocking and unscientific management. After the DFI intervention trained him through training programs and demonstrations. Our regular visits given him better results. The yield has increased and the net annual income from Tilapia culture in Biofloc system is Rs. 561600/-



Biofloc Unit



Tilapia fish grown in Biofloc system



Name of farmer: Narashima Poojary

Address: S/O Thimmappa Poojary

Karnataka

Age: 52 years

Education: SSLC

Size of land holding (in acre): 4.9 ac

1) Status in 2016

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 (Kharif)	2.00 ac	24	38400	19200
Field Crop 2	Groundnut(rabi)	2.00 ac	20	92000	64400
Hort Crop 1	Arecanut	1.5 ac	11.25	281250	173600
Hort Crop 2	Coconut	1.0 ac	1800	32400	24300
Livestock 1	Dairy (HF cows)	2 no's	2500	70000	52500
Total				514050	334000

2) Status in 2020

Component Description		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(Kharif)	2.00 ac	30	58230	34800	25	81
Field Crop 2	Groundnut (Rabi)	1.00 ac	11.00 qt/ac	61600	41888	-	-
Hort Crop 1	Arecanut	1.5 ac	12	432000	324000	6.6	10
Hort Crop 1.1	Arecanut intercrop Green fodder		15 t	-	-	>100	>100
Hort Crop 2	Coconut	1.0 ac	3000 nuts/ac	60000	48000	66	97
Hort Crop 2.1	Black pepper		2 qt	70000	45500	>100	>100
Hort Crop 3	Water melon	1.0 ac	15 t/ac	150000	97500	>100	>100
Livestock 1	Dairy (HF cow)	2 no's	4000	128000	76800	60	46
Total				959830	668488		100

Brief: The farmer was getting net annual income of **Rs. 334000/-** from Paddy, Groundnut, Arecanut, Coconut & Dairy/Animal Husbandry. He faced problems like, High Cost of cultivation, low yielding variety, poor nutrient management in paddy & groundnut and Land utilization pattern. With DFI interventions like DSR method of paddy cultivation, High yield varieties in paddy & groundnut, STCR based nutrient management and IFS concept has helped in getting Net annual income of **Rs. 668488/-**.





Name of farmer: Raviraj shetty

Address: Kalavara village Kundapur TQ, Udupi dist

Karnataka

Age: 53years

Education: degree

Size of land holding (in acre): 5.00 ac

1) Status in 2016

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	1.00 ac	10.00 q	25000	5000
Hort Crop 1	Arecanut	2.5 ac	5.00 q	190001	102345
Hort Crop 2	Coconut border Planting	100 Plants	5000 no's	75902	65003
Hort Crop 3	Cashew	0.50 ac	2.001 q	30002	25005
Livestock 1	Dairy	21 cows	100803	292320	146160
Total				613225	343513

2) Status in 2020

Component Description		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	1.00 ac	11.00 q	26000	5000	10.00	0.00
Hort Crop 1	Arecanut	2.5 ac	5.10 q	200001	102345	2.00	0.00
Hort Crop 2	Coconut border Planting	100 Plants	5000 no's	75906	65003	0.00	0.00
Hort Crop 3	Cashew	0.50 ac	2.003 q	30009	25005	0.10	0.00
Livestock 1	Dairy	50 cows	231846	945788	504289	130.00	245.03
Total				1277704	701642	-	104.25

Brief: The farmer was getting net annual income of Rs. **343513/-** from paddy, arecanut, coconut, cashew and dairy, leased land cultivation. He faced problems like lodging and low yield in paddy, Inflorescence die back in arecanut, nut drop in coconut etc. With DFI interventions like mechanization in paddy, INM & IPDM is with almost all crops, Exposure visit, Capacity building programmes, field visit & advisory services in dairy. Now he is getting annual income of Rs. **701642 /**





Effect of DFI intervention

Name of KVK: **UDUPI**

Name of farmer: **Balakrishna Nayak**

Address: **Bailumane, Shirlala village, Hadiyangadi post, Karkala Tq. Udupi Dist. Karnataka**

Age: **40**

Education: **9th Std.**

Size of land holding (in acre): **6.00 ac**

1) Status in 2016

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	3.00 ac	27.00 q	39150	25650
Hort. Crop 1	Areca nut	2.00 ac	15.00 q	420000	345000
Hort. Crop 2	Coconut	0.5 ac	670 nuts	5360	3685
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.80 q	34400	28560
Livestock 1	Cattles (Cross breed)	2 No's	2650 l	76850	36450
Total				575760	439345

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3.5 ac	42.25 q	71825	54360	56.48	111.93
Hort. Crop 1	Areca nut	2.00 ac	21.00 q	798000	714000	40.00	106.96
Hort. Crop 2	Coconut	0.5 ac	850 nuts	15300	11900	26.87	222.93
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	1.10 q	36300	30800	37.50	7.84
Livestock 1	Cattles (Cross breed)	6 No's	8400 l	243600	112600	216.98	208.92
Total				1165025	923660	-	110.24

Brief: The farmer was getting annual net income of Rs. **439345/-** from paddy, areca nut, coconut, pepper, dairy etc. He faced problems like low yielding due to pests and diseases, nut dropping, etc. With DFI interventions like INM in coconut and areca nut, IPDM in areca nut and pepper, etc., he is getting annual net income of Rs. **923660/-**



Newly transplanted Paddy field



Inter cultivation Areca nut plantation



Name of farmer: Raghavandra Nayak
Address: Shirva Village, Kapu tq, Udupi
Karnataka
Age: 58
Education: 10 th
Size of land holding (in acre): 2 .5 ac (Organic Farming)

1) Status in 2016

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	1.00 ac	19 q	27550	7800
Hort. Crop 1	Mixed Vegetables (Paddy fallow)	0.5 ac	12 q	50000	27500
Total				77550	35300

2) Status in 2020

Component Description		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	1.00 ac	23 q	40251	28502	21.05	265.41
Hort. Crop 1	Mixed Vegetables (Paddy fallow)	1.00 ac	25 q	128542	82354	108.33	199.47
Hort. Crop 2	Arecanut (Younger plantation)	0.25 ac	0.50 q	20000	11000	>100	>100
Hort. Crop 3	Coconut (Younger plantation)	0.25ac	650 nuts	9751	4602	>100	>100
Livestock 1	Dairy (CB Cows)	1.00 No.	1200 l	34801	17002	>100	>100
Total				213345	143460	-	306.40

Brief: The farmer was getting net annual income of Rs. **35300/-** from Paddy, mixed vegetables,. From 2016 he has started organic farming because of that, yield was drastically reduced and it has stated increasing over the years with DFI interventions organic farming in Horticultural crops like vegetables, nutri gardening, Kitchen gardening ,etc., he is getting annual income of Rs. **143460/-**





Name of farmer: Ganesh Kharvi

**Address: Uppunda, Byndur Tq, Udupi Dist
Karnataka**

Age: 30

Education: 9th

Size of the Cages : 6.5X6.5X12 ft. Number of Cages -3

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	3 cages	15.75 q	709000	319000
Total				709000	319000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	3 cages	33.90 q	1525000	793000	115.24	148.59
Total				1525000	793000	-	148.59

Brief: The farmer was getting net annual income of **Rs.319000/-** from cage culture of Asian seabass fish in 3 cages of size 6.5X6.5X12 ft each. The duration of culture was 18 months. He had faced bacterial disease problem in nursery face due high stocking density and unhygienic maintenance in the cage resulted in slow growth, mortality, low yield and poor survival rate. After the DFI intervention guided him to treat the fish for bacterial infections and trained him to maintain cleanliness in the cage through training programs and demonstrations. Our regular visits given him a promising results to come out of the problems he was facing and observed the yield increase and his income from cage culture (18 months culture period) increased to **Rs. 793000/-**



Cage Culture



Farmer with harvested fish



Name of farmer: Gunakar Poojary

Address: Govindabettu, Shirlala village, Hadiyangadi post, Karkala Tq., Udupi Dist. Karnataka

Age: 42

Education: 7th Std.

Size of land holding (in acre): 6.00 ac

1) Status in 2016

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	2.00 ac	18.00 q	25200	14650
Hort. Crop 1	Arecanut	2.00 ac	20.00 q	560000	470000
Hort. Crop 2	Coconut	1.00 ac	850 nuts	6800	4675
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.50 q	21500	14500
Livestock 1	Cattles (Cross breed)	1 No's	1500 l	43500	20750
Total				657000	524575

2) Status in 2020

Component Description		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 ac	25.00 q	45000	32200	38.89	119.80
Hort. Crop 1	Arecanut	2 ac	27.00 q	1025000	896700	25.00	86.81
Hort. Crop 2	Coconut	1 ac	1000 nuts	18000	14000	17.65	199.47
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.80 q	26400	21400	60.00	47.59
Livestock 1	Cattles (Cross breed)	4 No's	6000 l	174000	85000	300.00	309.64
Total				1288400	1049300	-	100.0

Brief: The farmer was getting annual net income of Rs. **524575/-** from Paddy, Arecanut, Coconut, Dairy etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut and Black pepper, etc., he is getting annual net income of Rs. **1049300/-**



Arecanut Plantation



Animal Husbandry



Arecanut intercropped with Pepper



Name of farmer: Krishna Servegar

Address: Nalamaru, Arasubailu, Shirlala village, Karkala Tq., Udupi Dist.

Karnataka

Age: 58

Education: 7th Std.

Size of land holding (in acre): 2.5 ac

1) Status in 2016

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 ac	6.00 q	8400	4900
Hort. Crop 1	Arecanut	0.75 ac	5.00 q	104150	81450
Hort. Crop 2	Coconut	0.5 ac	550 nuts	4400	2750
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.30 q	11400	9600
Livestock 1	Cattles (Cross breed)	2 No's	2800 l	81200	38600
Total				209550	137300

2) Status in 2020

Component Description		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 ac	8.00 q	14400	10350	33.33	111.22
Hort. Crop 1	Arecanut	0.75 ac	7.00 q	287000	239880	40.00	194.51
Hort. Crop 2	Coconut	0.5 ac	650 nuts	11700	9100	18.18	230.91
Hort. Crop 3	Black Pepper (Intercrop)	0.5 ac	0.50 q	19000	16000	66.67	66.67
Livestock 1	Cattles (Cross breed)	4 No's	6500 l	188500	92250	132.14	138.99
Total				520600	367580	-	167.72

Brief: The farmer was getting annual net income of Rs. **137300/-** from Paddy, Arecanut, Coconut, Pepper Dairy etc. He faced problems like, pests and diseases problem, nut dropping, etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in Black pepper and arecanut, etc., he is getting annual net income of Rs. **367580/-**



Arecanut Plantation intercropped with other minor crops



Name of farmer: Bhaskar Shetty

Address: KOTA, manur village kundapur Taluk, Udupi Dt. Karnataka

Age: 53

Education: BA

Size of land holding (in acre): 2.5 ac

1) Status in 2016

Component Description ⁷⁰		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 ac	11.00 q	21000	9547
Field Crop 2	Groundnut	2.5 ac	8.22 q	34851	21754
Livestock 1	Dairy	1.00 ac	1820 l	17852	8157
Livestock 2	Poultry	10 No's	0.05 q	10564	7534
Total				84267	46992

2) Status in 2020

Component Description		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	2.00 ac	22.32 q	42289	23124	102.91	142.21
Hort. Crop 1	Ground nut	2.00 ac	13.25 q	62365	40123	61.19	84.44
Livestock 1	Dairy	5 no's	6200 l	30006	15000	240.66	83.89
Livestock 2	Poultry	30 no's	0.06 q	23458	17000	20.00	125.64
Total				158118	95247	-	102.69

The farmer was getting net annual income of **Rs. 46992/-** paddy, and groundnut. he faced problems like low yield in paddy and Brinjal. With DFI interventions like FLD's on demonstration of ICM technologies he is getting annual income of **Rs 95247/-**





Name of farmer: Ramayya Shetty

Address: S/o Narayan Shetty, Mahalasa marikamba nilaya, Kalthodu village, Kundapura Tq., Udupi dist.

Karnataka

Age: 58

Education: 8th Std.

Size of land holding (in acre): 10 ac

1) Status in 2016

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	0.3 ac	8.00 q	11200	7040
Hort. Crop 1	Arecanut	3 ac	80.00 q	1666470	1304000
Hort. Crop 2	Coconut	2.5 ac	17500 nuts	140000	87500
Hort. Crop 3	Black Pepper (Intercrop)	2 ac	2.80 q	106400	89600
Livestock 1	Cattles (Local breed)	10 No's	1600 l	46400	21800
Livestock 2	Poultry birds (Buy back)	27000 No's (4500 * 6 batch)	450.00 q	-	360000
Total				1970470	1869940

2) Status in 2020

Component Description		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	0.3 ac	10.00 q	18000	9350	25.00	32.81
Hort. Crop 1	Arecanut	3 ac	100.00 q	4100000	3282850	25.00	151.75
Hort. Crop 2	Coconut	2.5 ac	20000 nuts	360000	280000	14.29	220.00
Hort. Crop 3	Black Pepper (Intercrop)	3 ac	4.50 q	171000	144000	60.71	60.71
Livestock 1	Cattles (Local breed)	18 No's	2400 l	69600	32800	50.00	50.46
Livestock 2	Poultry birds (Buy back)	27000 No's (4500 * 6 batch)	540.00 q	-	540000	20.00	50.00
Total				4718600	4289000	-	129.37

Brief: The farmer was getting annual net income of Rs. **1869940/-** from Paddy, Arecanut, Coconut, Pepper, Poultry farming, etc. He faced problems like quick wilt in Back pepper, pests and diseases in arecanut, low yielding, etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut, etc., he is getting annual net income of Rs. **4289000/-**. Since from last two years, he has shifter to organic cultivation



Arecanut intercropped with Black pepper



Farm pond for water harvesting





Name of farmer: Ravindra Kharvi

**Address: Karkikali, Uppunda, Byndur Tq, Udupi Dist
Karnataka**

Age: 38

Education: II PUC

Size of the Cages : 6.5X6.5X20 ft. Number of Cages - 5

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	5 cages	38.5 q	1732500	779000
Total				1732500	779000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	5 cages	78 q	3510000	1825200	102.60	134.30
Total				3510000	1825200	-	134.30

Brief: The farmer was getting net annual income of **Rs.779000/-** from cage culture of Asian seabass fish in 5 cages of size 6.5X6.5X20 ft each for a period 18 months of culture period. He had faced yield related problems due to high stocking density and imbalanced feeding rate. After the DFI intervention guided him to maintain proper stocking density, feeding method, feeding rate and periodical grading for even size and even growth through training programs and demonstrations. Our regular visits given him a promising results to come out of the problems he was facing. We have observed the yield increase and the income from 5 cages of 18 months culture is **Rs. 1825200/-**. He has received SUPER STAR RAITHA award from Vijaya Karnataka and also got Prof. M.C.Nandeeshha Farmer's Innovation Award from Asian Fisheries Society Indian Branch



Cage Culture



Farmer with harvested fish



Name of farmer: Ganesh Devadiga

Address: S/O Sanjeev Devadiga, Kudrukodu, Navunda Taluk

Karnataka

Age: 36 years

Education: M.A. B.Ed

Size of land holding (in acre): 1 ac

1) Status in 2016

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 (Kharif)	1.00 ac	10.00	16000	9600
Field Crop 2	Groundnut (Rabi)	1.00 ac	8.00	36000	25200
Livestock 1	Dairy (HF cows)	5 no's	10000	280000	168000
Total				332000	202800

2) Status in 2020

Component Description		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(Kharif)	1.00 ac	14.00 qt/ac	26600	15960	40.0	63.6
Field Crop 2	Groundnut (Rabi)	1.00 ac	11.00 qt/ac	61600	46200	37.5	83.3
Hort Crop 3	Water melon (Summer)	1.0 ac	10 t/ac	10000	69000	>100	>100
Livestock 1	Dairy (HF cow)	5 no's	12500	400000	260000	25	54.7
Misc	Vermicompost	-	10t	80000	64000	>100	>100
Total				578200	455160	-	124

Brief: The farmer was getting net annual income of **Rs. 202800/-** from paddy, groundnut, arecanut, coconut & dairy/animal husbandry. He faced problems like, high cost of cultivation, low yielding variety, poor nutrient management in paddy & groundnut and Land utilization pattern. With DFI interventions like DSR method of paddy cultivation, High yield varieties in paddy & groundnut, STCR based nutrient management and IFS concept has helped in getting Net annual income of **Rs. 455160/-** with % increase income of **124%**





Name of farmer: Jayaram Shetty

Address: Kota, Manooru

Karnataka

Age:55

Education: SSLC

Size of land holding (in acre): 2.00 ac

1) Status in 2016

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	2.00 ac	10.00 q	20000	9456
Field Crop 1	Ground nut	2.00 ac	8.12 q	33856	20746
Livestock 1	Dairy	1 no's	1800 l	16852	8052
Livestock 1	Poultry	10 no's	0.25 q	10426	7423
Total				81134	45677

2) Status in 2020

Component Description		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	2.00 ac	22.32 q	42234	23124	123.20	144.54
Hort. Crop 1	Ground nut	2.00 ac	13.25 q	60261	40123	63.18	93.40
Livestock 1	Dairy	5 no's	6200 l	30000	15000	244.44	86.29
Livestock 2	Poultry	30 no's	0.6 q	23456	17000	140.00	129.02
Total				155951	95247	-	108.52

Brief: The farmer was getting net annual income of Rs. **45677/-** from Paddy, Ground nut, Dairy and poultry. He faced problems like non adoption of INM, ICM technologies in field crops and limited animal components in his farm and heavily dependent on rice based cropping system as a result his income was stagnant. With DFI interventions like diversified farming system with the adoption of poultry and dairy along with INM and ICM approaches his income was doubled and he is getting annual income of Rs **95247/-**.





Name of farmer: Chandra Mogaveera
Address: S/o Narayana, Guruvamma Mane, Maravanthe, Kundapura Tq, Udupi Dist
 Karnataka
Age: 30
Education: SSLC
Size of the Cages : 6.5X6.5X20 ft. Number of Cages -3

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Fisheries	Cage Culture – Asian Seabass fish variety	3 cages	22 q	990000	396000
Total				990000	396000

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Fisheries	Cage culture – Asian Seabass fish variety	3 cages	43.5 q	1957500	1096200	97.73	176.82
Total				1957500	1096200	-	176.82

Brief: The farmer was getting net annual income of **Rs.396000/-** from cage culture of Asian seabass fish in 3 cages of size 6.5X6.5X20 ft each. The duration of culture was 18 months. He had faced disease problems in nursery face due high stocking density and unhygienic maintenance in the cage resulted in slow growth, mortality, low yield and poor survival rate. After the DFI intervention guided him to treat the fish for bacterial infections and trained him to maintain cleanliness in the cage through training programs and demonstrations. Our regular visits given him a promising results to come out of the problems he was facing and observed the yield increase and his income from cage culture (18 months culture period) increased to **Rs. 1096200/-**



Farmer with the Cage



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Naveen Diwakar Shetty

Address: Badaga bettu village, udupi district

Karnataka

Age: 37 Education:
degree

Size of land holding (in acre): 2.6 ac

1) Status in 2016

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	1.00 ac	9.03 q	18502	10305
Hort. Crop 1	Arecanut	0.50 ac	4.06 q	100006	56004
Hort. Crop 2	Coconut	0.50 ac	1002 nuts	11664	7163
Total				130172	73472

2) Status in 2020

Component Description		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	1.00 ac	18.95 q	38078	26079	109.86	153.07
Hort. Crop 1	Arecanut	0.50 ac	8.96q	347496	197494	120.69	252.64
Hort. Crop 2	Coconut	0.50 ac	1526 nuts	27454	20958	52.30	192.59
Total				413028	244531	-	232.82

Brief: The farmer was getting net annual income of Rs. **73472/-** from Paddy, Arecanut, Coconut. He faced problems like nut drop in Arecanut & Coconut, etc. Due to the DFI interventions like capacity building programmes, field visit and timely advisories from KVK scientists he is getting annual income of Rs. **244531/-**





Name of farmer: Shridhar Poojary

Address: Hukranda mane, Hadiyangadi post, Shirlala Village, Karkala tq, Udupi
Karnataka

Age: 58

Education: SSLC

Size of land holding (in acre): 12 ac

1) Status in 2016

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 ac	23 q	27600	14500
Hort. Crop 1	Arecanut	3 ac	18 q	375000	235000
Hort. Crop 2	Coconut	0.6 ac	1200 nuts	9600	5200
Livestock 1	Dairy (Cross breed)	2 No.	2000 l	50000	26500
Total				462200	281200

2) Status in 2020

Component Description		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 ac	30 q	66000	36000	30.43	148.28
Hort. Crop 1	Arecanut	3 ac	25 q	881250	701250	38.89	198.40
Hort. Crop 2	Coconut	0.6 ac	1500 nuts	22500	15000	25.00	188.46
Livestock 1	Dairy (Cross breed)	6 No.	5000 l	160000	80000	150.00	201.89
Total				1129750	832250	-	195.96

Brief: The farmer was getting annual net income of Rs. **281200/-** from Paddy, Arecanut, Coconut, Dairy etc. He faced problems like low yielding, pests and diseases in arecanut, nut dropping in coconut and arecanut, etc. With DFI interventions like INM in Coconut and Arecanut, IPDM in arecanut, etc., he is getting annual net income of Rs. **832250/-**



Inter cultivation operations at Arecanut Plantation

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Sudhakar Shetty

Address: Mithottu House, Ajekar post, Karkala Tq, Udupi Dist
Karnataka

Age: 32

Education: BCA

Size of land holding (in acre): 20 ac

1) Status in 2016

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 Crops)	3 ac	65.00 q	94250	58500
Hort. Crop 1	Arecanut	5 ac	25.00 q	700000	575000
Hort. Crop 2	Coconut	6.7 ac	13500 nuts	108000	74250
Hort. Crop 3	Black Pepper (Inter crop)	1 ac	1.8 q	77400	54700
Hort. Crop 5	Rubber (new plantation)	4 ac	18.00 q	144000	90000
Hort. Crop 6	Cashew	1.00 ac	1.25 q	9375	6250
Livestock 1	Cattles (Cross breed)	8 No's	8000 l	232000	110000
Total				1365025	968700

2) Status in 2020

Component Description		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 Crops) Kharif & Rabi crops)	5 ac	120.00 q	216000	130680	84.62	123.38
Hort. Crop 1	Arecanut	7 ac	45.00 q	1710000	1290000	80.00	124.35
Hort. Crop 2	Coconut	6.7 ac	15000 nuts	270000	210000	11.11	182.83
Hort. Crop 3	Black Pepper (Inter crop)	2 ac	2.50 q	82500	70000	38.89	27.97
Hort. Crop 4	Rubber	4 ac	30.00 q	250000	150000	66.67	66.67
Hort. Crop 5	Cashew	1.00 ac	1.50 q	18750	15000	20.00	140.00
Livestock 1	Cattles (Cross breed)	15 No's	15000 lit.	435000	225000	87.50	104.55
Livestock 2	Poultry (Local)	50	2.00 q	80000	45000	100	100
Total				3062250	2135680	-	120.47

Brief: The farmer Shri. Sudhakar Shetty from Ajekar village, was getting annual net income of Rs. **968700/-** from Paddy, Arecanut, Coconut, Pepper, Cashew, Rubber, Dairy etc. He faced problems like IPDM, poor nutrient management, low yielding, After implementing IFS module along with DFI interventions like INM, IPDM in different crops, etc., he is getting annual net income of Rs. **2135680/-**



Arecanut intercropped with Black pepper



Coconut plantation

Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Dr. Sebastian

Address, Kollur village, Kundapur taluk

Karnataka

Age: 38

Education: BVSC

Size of land holding (in acre): 4 ac

1) Status in 2016

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	Arecanut	2.00 ac	8.00 q	250000	171000
Hort. Crop 2	Coconut	1.00 ac	3800 nuts	26400	11850
Hort. Crop 3	Pepper (Inter crop)	1.00 ac	2.00 q	70000	40000
Total				346400	222850

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	16.00 q	500000	312065	100.00	78.32
Hort. Crop 2	Coconut	1.00 ac	5100 nuts	91800	43900	34.21	270.46
Hort. Crop 3	Pepper (Inter crop)	1.00 ac	3.00 q	125000	75000	50.00	87.50
Hort. Crop 4	Vegetables (inter crop)(Elephant foot yam, Little gourd)	0.50 ac	10.00 q	25000	15000	>100	>100
Total				741800	445965	-	100

Brief: The farmer was getting net annual income of Rs. **222850/-** from arecanut, coconut and pepper. From 2016 he has started ICM approaches through the intervention of KVK he is getting net annual income of Rs. **445965/-**





Name of farmer: Lakshman Mattu
 Address: Mattu village Kapu Taluk, Udupi Dt.
 Karnataka
 Age: 51
 Education: SSLC
 Size of land holding (in acre): 2.0 ac

1) Status in 2016

Component Description ⁷⁰		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2.0 ac	10.00 q	21000	9547
Hort. Crop 1	Brinjal	2.0 ac	122 q	432000	182000
Livestock 1	Dairy	2 Nos	3420 l	34123	16524
Livestock 2	Poultry	10 No's	0.38 q	7600	5420
Total				494723	213491

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	producti on	income
Field Crop 1	Paddy	2.0 ac	21.20 q	41000	18547	112.00	94.27
Hort. Crop 1	Brinjal (Mattugulla)	2.0 ac	140 q	630000	380000	14.75	31.03
Livestock 1	Dairy	4 Nos	6420 l	64123	32524	87.72	96.83
Livestock 2	Poultry	40 No's	1.52 q	30400	19680		
Total				765523	450751	-	111.13

The farmer was getting net annual income of **Rs. 213491/-** paddy, and groundnut. He faced problems like low yield in paddy and groundnut. With DFI interventions like FLD's on demonstration of ICM technologies he is getting net annual income of **Rs 450751/-**



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Suresh Adiga S/o Satish Adiga
 Address: Vandar Village, Brahmavara Tq, Udupi Dist
 Karnataka
 Age: 36
 Education: B. F.Sc.
 Size of land holding (in acre): 8 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Paddy	4.00 ac	36.00 q	74000	41200
Hort. Crop	Areca nut	2.5 ac	14.15 q	396200	221200
Hort. Crop	Coconut	1.0 ac	2000 nuts	23332	14332
Livestock	Cross breed cattle	1 no's	1500 l	42000	25000
Total				535532	301732

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4.00 ac	52.00 q	91000	59000	44.44	43.20
Hort. Crop 1	Arecanut	2.5 ac	19.5 q	799500	554500	37.81	150.68
Hort. Crop 2	Coconut	1 ac	3050 nuts	54900	41900	52.50	192.35
Fisheries 1	Biofloc	10000 lt tank X 3	27.00	405000	285000	>100	>100
Livestock 1	Cross breed cattle	1 no's	1800 l	54000	27000	20	8
Total				1404400	967400	-	220.62

Brief: The farmer was getting net annual income of **Rs. 301732/-** from Paddy, Arecanut, Coconut and Dairy production. He had faced low yield problem in almost all the crops. After the DFI intervention guided him through training programs, demonstrations, our repeated field visits, timely advisories and introduction of Biofloc system of fish culture made him to earn more and resulted in getting net annual income of **Rs. 967400/-**



**Paddy and
Coconut plot**



Arecanut plot



**Biofloc Fish culture
system**

Floc development



Culture Tank



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Devanna Naik P, S/O Putta Naik

Address: Marne village

Karnataka

Age: 42

Education: SSLC

Size of land holding (in acre): 4 ac

1) Status in 2016

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(K)	1.00 ac	12.00 q	22000	11000
Field Crop 2	Paddy(R)	1.00 ac	9.50 q	14250	7250
Hort. Crop 1	Arecanut	2.00 ac	9.75 q	273000	201000
Hort. Crop 2	Pepper	0.50 ac (intercrop)	0.70 q	21700	15700
Hort. Crop 3	Coconut	0.50 ac	800 nuts	12000	6000
Hort. Crop 4	Cashew(5 years)	0.4 ac	0.65 q	9750	5550
Livestock 1	Dairy	4.00 Nos	5460 l	174720	87360
Livestock 2	Fodder	0.50 ac	10 t	Used for Dairy animals	
Total				527420	333860

2) Status in 2020

Component Description		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(K)	1.00 ac	18.65 q	32215	20215	55.42	83.77
Field Crop 2	Paddy(R)	1.00 ac	16.25 q	27625	16625	71.05	129.31
Hort. Crop 1	Arecanut	2.00 ac	15.2 q	623200	498200	266.67	147.86
Hort. Crop 2	Pepper	Intercrop	1.95 q	60480	47450	178.57	202.23
Hort. Crop 3	Coconut	0.50 ac	2550 nuts	45900	31400	218.75	423.33
Hort. Crop 4	Cashew(9 years)	0.40 ac	2.10 q	21000	15000	223.08	170.27
Livestock 1	Dairy	4 no's	7560 l	241920	120960	38.46	38.46
Livestock 2	Fodder	0.1 ac	-	-	-	-	-
Total				1052340	749850	-	124.60

Brief: The farmer was getting net annual income of Rs. **333860/-** from Paddy, Arecanut, Coconut, pepper, cashew and dairy production. He faced problems like low productivity in almost all the crop. Due to the DFI interventions like capacity building programmes, field visit and timely advisories from KVK scientists he is getting net annual income of Rs. **749850/-**





Name of farmer: Arvind Yediyala

Address: S/o Madhava Rao, Mudubage, Kannali, Amparu (Po. and village), Kundapura Tq., Udupi Dt.

Karnataka

Age: 51 years

Education: PUC

Size of land holding (in acre): 5.76 ac

1) Status in 2016

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	Arecanut	3.00 ac	20.00 q (Processed Chali Nuts)	560000	332500
Hort. Crop 2	Coconut (30 Nos)	0.42 ac	2800 (Coconuts)	26600	17100
Hort. Crop 3	Black pepper (Intercrop in arecanut garden) 40 vines	0.07 ac	0.34 q (Processed black pepper)	16320	12400
Hort. Crop 4	Cashew (50 Nos)	0.70 ac	1.50 q	18750	13250
Livestock 1	Cross Breed	1 Nos	1470 l	4116	20580
Total				625786	395830

2) Status in 2020

Component Description		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	Arecanut	3.50 ac	29.50 q (Processed Chali Nuts)	1032500	695000	47.50	109.02
Hort. Crop 2	Coconut (30 Nos)	0.42 ac	3100 nuts	37200	26800	10.71	56.72
Hort. Crop 3	Black pepper (Intercrop in arecanut garden) (120 vines)	0.22 ac	0.92 q	34960	23200	170.58	87.09
Hort. Crop 4	Cashew (50 No.s)	0.70 ac	2.23 q	21185	14935	48.67	12.72
Livestock 1	Cross breed cows	1 No.s	1722 l	55104	27552	17.14	33.88
Other Enterprise	Honey bee rearing	7 boxes	0.15 q	7500	5600	>100	>100
Total				1188449	793087		100.36

Brief: The farmer Sri Arvind Yediyala was getting net annual income of Rs. **395830/-** from arecanut, coconut, cashew and milking one cross breed cow. He faced problems high production cost, imbalanced nutritional management in arecanut and coconut. With KVK technological interventions in nutritional management in arecanut and coconut, he is getting net annual income of **Rs 793087/-**



Demonstration of INM and Wilt management in black pepper





Name of farmer: Vijaya

Hegde

Address: W/O Thimmanna Hegde

Karnataka

Age: 50 years

Education: B.Sc(Agri)

Size of land holding (in acre): 5 ac

1) Status in 2016

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(Kharif)	2.00 ac	22.00 q	28850	13967
Field Crop 2	Black gram(Rabi)	2.00 ac	5.00 q	27500	19890
Field Crop 3	Fodder Maize(Late Rabi)	2.00 ac	60 t	-	-
Hort Crop 1	Arecanut	1.00 ac	7.5 q	210000	147000
Hort Crop 2	Coconut	1.00 ac	2500 nuts	48000	32640
Hort Crop 3	Banana	1.00 ac	40.00 q	84,000	50400
Livestock 1	Local and HF	11 no's	45 l	252000	136384
Total				650350	400281

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
Field Crop 1	Paddy(Kharif)	2.00 ac	31.00 q	48000	29760	40.90	113.00
Field Crop 2	Black	2.00 ac	5.60 q	32480	24360	12.00	22.00
Field Crop 3	Fodder Maize	2.00 ac	90 t	-	-	50.00	-
Hort. Crop 1	Arecanut	1.00 ac	10.0 qt	360000	288000	33.33	95.9
Hort. Crop 2	Coconut	1.00 ac	3500 nuts	70000	56000	40.00	71.5
Hort Crop 2	Intercrop/nutmug papaya	2.00 ac	15 t	75000	45750	>100	>100
Livestock 1	Local +HF+CB	14 no's	70 l	448000	273280	55.55	100
Other	Vermi compost		15 t	120000	84000	>100	>100
Total				1153480	801150		100

Farmer used to get an annual income of **Rs. 400281/-**, mainly from arecanut, dairy cows and banana.

He faced problems like Low yield etc. With DFI interventions like IFS, HYV, cropping system he is getting net annual income of **Rs. 801150/-**.





Name of farmer: Sri Sunil Kumar Jain

Address: S/o Lokapal Jain , Andaru village, Hadiyangadi (Po), Karkala Taluk, Udupi Dt.

Karnataka

Age: 29 years

Education: ITI

Size of land holding (in acre): 6.85 ac

1) Status in 2016

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(<i>Kharif</i>)	0.60 ac.	9.25 q	14800	9700
Field Crop 2	Paddy(<i>Rabi</i>)	0.60 ac.	10.30 q	16400	10200
Hort. Crop 1	Arecanut	5.20 ac	39.50 q (Processed Chali Nuts)	869500	415000
Hort. Crop 2	Coconut (88 No.s)	1.25 ac	8360 nuts	79400	64500
Hort. Crop 3	Black pepper (Intercrop in arecanut) (350 Vines)	0.64 ac.	2.80 q (Processed black pepper)	100800	76300
Total				1080900	575700

2) Status in 2020

Component Description		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(<i>Kharif</i>)	0.60 ac	10.20 q	18300	11200	10.27	15.46
Field Crop 2	Paddy(<i>Rabi</i>)	0.60 ac.	10.50 q	18900	11800	1.94	15.69
Hort. Crop 1	Arecanut	5.20 ac.	42.10 q (Processed Chali Nuts)	1599800	1200800	6.58	189.35
Hort. Crop 3	Coconut (88 No.s)	1.25 ac	8900 nuts	115700	97200	6.45	50.69
Hort. Crop 4	Black pepper (Inter crop in arecanut garden) (540 Vines)	0.95 ac	5.20 q (Processed black pepper)	171000	125100	85.71	63.95
Total				1923700	1446100	-	151.19

Brief: The farmer Sri Sunil Kumar Jain was getting net annual income of **Rs. 575700/-** from paddy, arecanut, coconut and black pepper. He faced problem of wilt in black pepper and nut dropping in arecanut. ICAR-KVK, Udupi intervened with IPDM for control of pepper wilt and INM in arecanut, wherein the increase in yield output of black pepper and arecanut was observed. With the technological interventions by KVK, Udupi he is getting net annual income of **Rs 1446100/-**



Demonstration of wilt management in black pepper and DSR in paddy



Name of farmer: Gopal K Naik

Address: Nisarga House, Kodi Alevoor, Udupi Tq

Karnataka

Age: 54years

Education: PUC

Size of land holding (in acre): 1.8 ac

1) Status in 2016

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 (Kharif)	0.25 ac	2.5 q	5000	2500
Hort Crop 1	Coconut	0.25 ac	625 nuts	12500	9320
Hort Crop 2	Arecanut	1.00 ac	8.00 q	200000	160000
Hort Crop 3	Jasmine	0.25 ac	0.064 q	9653	6800
Livestock 1	Dairy (HF cows)	5 no's	9000 l	280000	168000
Total				507153	346620

2) Status in 2020

Component Description		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 (Kharif)	0.25ac	3.75 q	6750	5400	50.0	116.0
Hort Crop 1	Coconut	0.25 ac	800 nuts	16800	13440	28.0	44.0
Hort Crop 1.1	Coconut + Green Fodder	0.25	3.75 t	-	-	>100	>100
Hort Crop 2	Arecanut	1.00 ac	9.00 q	288000	216000	12.5	35.0
Hort Crop 3	Jasmine	0.25 ac	0.087 q	14650	10989	35.1	61.6
Livestock 1	Dairy (HF cows)	6 no's	14800 l	480000	325600	25.0	93.80
Misc	Vermicompost	-	2500q	200000	120000	>100	>100
	Earth worm		8 q	280000	168000	>100	>100
Total				1286200	859429	-	148.00

Brief: The farmer was getting net annual income of **Rs. 346620/-** from paddy, jasmine, arecanut, coconut & dairy/animal husbandry. He faced problems like, High Cost of cultivation, diversification in farming, poor nutrient management and Land utilization pattern. With DFI interventions like HYV in paddy cultivation, STCR based nutrient management and LEISA (Low external input Sustainable agriculture) concept has helped in getting Net annual income of **Rs. 859429/-** with % increase income of **148** per cent



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: **Rashmi Shetty**

Address, : Chakreberu Sidhapura Village , Kundapura Taluk
Karnataka

Age: 41

Education: PU C

Size of land holding (in acre): 2 ac

1) Status in 2016

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	Arecanut	2.00 ac	7.89 q	250009	175004
Hort. Crop 32	Pepper (Inter crop)	1 .00 ac	1.93 q	70008	40005
Total				320017	215009

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	18 .00 q	580423	412063	128.14	135.46
Hort. Crop 2	Pepper (Inter crop)	1 .00 ac	3.23 q	215003	140000	67.36	249.96
Total				795426	552063	-	156.76

Brief: The farmer was getting net annual income of **Rs. 215009/-** from arecanut, and pepper From 2016 She has started ICM approaches through the intervention of KVK in arecanut based cropping system now she is getting net annual income of **Rs. 552063/-**





Name of farmer: Jagadeesh

Address, : Shirlal village , Karkala Taluk Udupi district
Karnataka

Age: 39

Education:PUC

Size of land holding (in acre): 4 ac

1) Status in 2016

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	Arecanut	2.00 ac	8.08 q	250002	175004
Hort. Crop 2	Coconut	1.00 ac	30.23 q	60003	30008
Hort. Crop 3	Pepper (Inter crop)	1.00 ac	2.36q	70008	40003
Total				380013	245015

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	18.21 q	650008	370452	125.37	111.68
Hort. Crop 2	Coconut	1.00 ac	37.52q	110523	68000	24.12	126.61
Hort. Crop 3	Pepper (Inter crop)	1.00 ac	4.01 q	180759	125000	69.92	212.48
Total				941290	563452	-	129.97

Brief: The farmer was getting net annual income of **Rs. 245015/-** from arecanut, coconut and pepper. From 2016 he has started ICM approaches through the intervention of KVK now is getting net annual income of **Rs. 563452/-**



Effect of DFI intervention

Name of KVK: KVK, Udupi



Name of farmer: Praveen Shetty
Address: Sanoor village, Karkala taluk Udupi
Karnataka
Age: 46
Education: PUC
Size of land holding (in acre): 3 ac

1) Status in 2016

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	Arecanut	2. ac	6 .09 q	250004	175003
Hort. Crop 3	Pepper (Inter crop)	1 .00 ac	2 .39q	70005	40005
Total				320009	215008

2) Status in 2020

Component Description		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	Arecanut	2 ac	16 .91 q	700852	452777	177.67	158.73
Hort. Crop 3	Pepper (Inter crop)	1 .00 ac	3.52 q	125009	75003	47.28	87.48
Total				825861	527780	-	145.47

Brief: The farmer was getting net annual income of **Rs. 215008/-** from arecanut and pepper From 2016 .He has started ICM approaches through the Intervention of KVK he is getting net annual income of **Rs. 527780/-**





Name of farmer: Kavan Shetty

Address, : Andaru village, Hebri Taluk, Udupi district
Karnataka

Age: 40

Education: Degree

Size of land holding (in acre): 2 ac

1) Status in 2016

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	Arecanut	2.00 ac	6.81 q	250006	175009
Hort. Crop 32	Pepper (Inter crop)	1 .00 ac	1.91 q	70006	40006
Total				320012	215015

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	16 .30 q	625000	370068	139.35	111.46
Hort. Crop 2	Pepper (Inter crop)	1 .00 ac	3.08 q	125009	75008	61.26	87.49
Total				750009	445076	-	107.00

Brief: The farmer was getting net annual income of **Rs. 215015/-** from arecanut, and pepper From 2016 he has started ICM approaches through the intervention of KVK in arecanut based cropping system now he is getting net annual income of **Rs. 445076/-**





Name of farmer: Priyanka Soans

Address:, Onthibettu village , Hiriyadka taluk Udupi
Karnataka

Age: 31

Education: Bcom

Size of land holding (in acre): 4 ac

1) Status in 2016

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	Arecanut	2.00 ac	8 .01 q	250008	175002
Hort. Crop 2	Coconut	1.00 ac	30.12 q	60007	30006
Hort. Crop 3	Pepper (Inter crop)	1 .00 ac	2 .31q	70003	40006
Total				380018	245014

2) Status in 2020

Component Description		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	Arecanut	2.00 ac	16 .40 q	530859	330065	104.74	88.61
Hort. Crop 2	Coconut	1.00 ac	36.52q	90008	55075	21.25	83.55
Hort. Crop 3	Pepper (Inter crop)	1 .00 ac	3.72 q	145009	90003	61.04	124.97
Hort. Crop 4	Vegetables (inter crop)	0.50 ac	10.37 q	25009	15001	>100	>100
Total				790885	490144	-	100.05

Brief: The farmer was getting net annual income of **Rs. 245014/-** from arecanut, coconut and pepper. From 2016 she has started ICM approaches through the Intervention of KVK she is getting net annual income of **Rs. 490144/-**





Name of farmer: Mr Srikanth

Address: Shivpura village Hebri Tq. Udupi

Karnataka

Age: 41

Education: B. A.

Size of land holding (in acre): 4.00 ac

1) Status in 2016

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	0.50 ac	1601 nuts	12802	6801
Hort. Crop 2	Arecanut	2.00 ac	5.52 q	201503	112354
Hort. Crop 3	Cashew	1.50 ac	1.51q	20002	16804
Hort. Crop 4	Black Pepper (Intercrop)	600 no's	1.51 q	112502	84503
Hort. Crop 5	Cocoa (Intercrop)	85 no's	0.73 q	12001	8202
Livestock 1	Cow	1 no.	410 1	11892	5946
Total				370702	234610

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Coconut	0.50 ac	2100 nuts	33758	22458	31.17	230.22
Hort. Crop 2	Arecanut	2.00 ac	13.96q	470906	360903	152.90	221.22
Hort. Crop 3	Cashew	1.50 ac	2.12 q	35286	25004	40.40	48.80
Hort. Crop 4	Black Pepper (Intercrop)	600 no's	3.55 q	75202	52147	135.10	-38.29
Hort. Crop 5	Cocoa (Intercrop)	85 no's	2.12 q	20528	16202	190.41	97.54
Livestock 1	Cow	4 no.	4025 1	82528	45603	881.71	666.95
Total				718208	522317	-	122.63

Brief: The farmer was getting net annual income of Rs. **234610/-** from coconut, arecanut, cashew, black pepper, cocoa and dairy. He faced problems like nut drop in coconut, arecanut, tea mosquito and fodder problem etc. With DFI interventions like INM, IPDM, ICM demonstrations, Exposure visits, Capacity building and CO4 fodder introduction he is getting annual income of Rs **522317/-**.



Effect of DFI

Name of KVK: KVK, Udupi



Intervention

Name of farmer: Mahesh S/o Venkatesh Hebbar

Address: Chole bettu, Kukkehalli Tq, Udupi Dist

Karnataka

Age: 45

Education: ITI (Electrical)

Size of land holding (in acre): 5.98 ac

1) Status in 2016

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	0.48 ac	11 q	22000	10000
Hort. Crop 1	Areca nut	1.45 ac	8.41 q	245000	203500
Hort. Crop 2	Coconut	0.55 ac	2080 nuts	21440	14940
Fisheries	Composite Culture of carps	2.5 ac	41 q	410000	245000
Livestock	Cross breed cattle	1 no's	1500 l	45000	27000
Total				743440	500440

2) Status in 2020

Component Description		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	0.48 ac	12.50 q	25000	12500	13.70	25
Hort. Crop 1	Arecanut	1.45 ac	12.75 q	525300	427800	51.61	110.22
Hort. Crop 2	Coconut	0.55 ac	3250 nuts	52000	41800	56.25	179.79
Fisheries 1	Composite Culture of carps with other species	2.5 ac	72.9 q	874800	524880	77.80	114.24
Livestock 1	Cross breed cattle	3 no's	4850 l	146000	88000	223.33	225.93
Total				1623100	1094980		118.80

Brief: The farmer was getting net annual income of **Rs. 500440/-** from Paddy, Areca, Coconut, Fisheries and Dairy. He was facing problems yield related problems, disease incidences and survival problems. As part of DFI interventions introduced new disease resistant fast growing hard fish varieties which can fetch good price in local market and IPDM, ICM and IFS module. As a result the farmer is getting net annual income of **Rs. 1094980/-**



Paddy plot



Areca plot



Pacu Fish Harvest

Dairy





Name of farmer: Lawrence Mathayas

Address: NHC Village & Post, Karkala Tq, Udupi dist

Karnataka

Age: 65

Education: BA

Size of land holding (in acre): 4 AC

1) Status in 2016

Component Description ⁷⁰		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.9 ac	14.60 q	28420	18920
Hort. Crop 1	Arecanut	1.00 ac	3.6 q	100800	64800
Hort. Crop 2	Coconut	1.00 ac	1600 nuts	12800	6800
Hort. Crop 3	Black Pepper(Intercrop in Arecanut & Coconut)		1.1 q	82500	60500
Hort. Crop 4	Beetle vine	0.10 ac	5.6 q	19040	15230
Livestock 1	Dairy cows	2 Nos	1520 l	42560	21280
Total				286120	187530

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.8 ac	27.00 q	47250	29250	84.93	54.60
Hort. Crop 2	Arecanut	1.00 ac	4.8 q	196800	158800	33.33	145.06
Hort. Crop 3	Coconut	1.00 ac	2592 nuts	46656	36856	62.00	442.00
Hort. Crop 4	Black Pepper	Intercrop	2.72 q	136000	103000	147.27	70.25
Hort. Crop 5	Beetle vine	0.10 ac	7.2 q	28000	25000	28.57	64.15
Livestock 1	Dairy cows	4 Nos	4560 l	145920	72960	200.00	242.86
Total				600626	425866	-	127.09

The farmer was getting net annual income of **Rs. 187530/-** from paddy, Arecanut, Coconut, Black Pepper, Beetle vine and Dairy. He faced problems like low yield in paddy, Arecanut and black pepper. With DFI interventions like Capacity building programmes, Field visits, Phone calls and video conference he is getting net annual income of **Rs 425866/-**.





Name of farmer: K. Vinod Rao

Address: S/O K, shambushankar Rao, Mandarthi

Karnataka

Age: 31 years

Education: PUC

Size of land holding (in acre): 2 ac (dryland) and 5 ac (Irrigation)

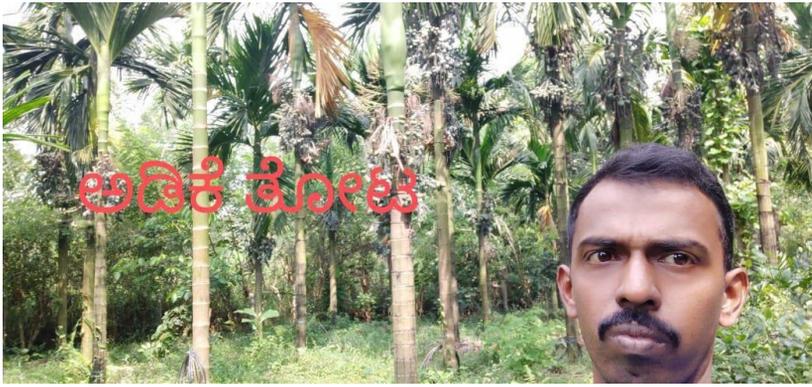
1) Status in 2016

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(Kharif)	2.0 ac	10.00 q/ac	16000	6400
Field Crop 2	Black gram(Rabi)	2.0 ac	1.5 q/ac	19500	11700
Hort Crop 1	Coconut	1.5 ac	1800 nuts/ac	48600	30000
Hort Crop 2	Arecanut	2.0 ac	6.0 qt/ac	168000	115550
Hort Crop 3	Cashew	1.5 ac	6.0 qt/ac	99000	64350
Livestock 1	Dairy(HF Cows)	05 no's	8 lit/Cow	280000	168000
Total		Rs. 1120/day x 250 days		631100	396000

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
Field Crop 1	Paddy (Kharif)	2.0 ac	12.00 q/ac	23156	13893	20	117
Field Crop 2	Blackgram (Rabi)	2.0 ac	1.5 q/ac	21000	14700	00	25
Hort. Crop 1	Coconut	1.3 ac	1800 nuts/ac	54000	35100	11	3.1
Hort. Crop 1.1	Coconut intercrop Coco		1.8 qt/ac (Dry coco seed)	51300	35910	>100	>100
Field Crop 1.2	Coconut intercrop Green Fodder	0.2 ac	12.8 t	-	-	>100	>100
Hort. Crop 2	Arecanut	2.0 ac	8.5qt/ac	348500	222500	43.33	92.55
Hort. Crop 2.1	Arecanut intercrop Banana		3.5 t/ ac	147000	95550	>100	>100
Hort. Crop 3	Cashew	1.5 ac	6.0 qt/ac	108000	82105	0	10.57
Hort. Crop	Cashew Intercrop Black Pepper		2.2 qt/ac	77000	54326	>100	>100
Livestock 1	Dairy(HF Cows)	06 no's	10 lit/cow	480000	288000	71	71.42
Total		Rs. 1920/day x 250 days		1309956	842084	-	112.65

Brief: The farmer was getting net annual income of Rs. **396000/-** from Paddy, Blackgram, Coconut, Arecanut and dairy. He faced problems like Low yield, Inter Cropping etc. With DFI interventions like IFS, Intercropping, Fodder, HYV etc., he is getting net annual income of Rs. **842084/-**



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ಗೋಡಂಬಿ ತೋಟ



Name of farmer: Mr. Anand Kotyan
 Address: Renjala village, Karkala Tq, Udupi dist
 Karnataka
 Age: 37
 Education: PUC
 Size of land holding (in acre): 2 Ac

1) Status in 2016

Component Description ⁷⁰		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	0.85 ac	12.50 q	18125	9925
Hort. Crop 1	Arecanut	1.00 ac	4.25 q	119000	67000
Hort. Crop 2	Coconut(Border Planting)	20 nos	1110 nuts	8880	6380
Hort. Crop 3	Jasmine	0.10 ac	0.15 q	188000	88000
Hort. Crop 4	Beetle vine	0.05 ac	5.6 q	29000	18000
Livestock 1	Dairy cows	2 Nos	2100 l	58800	29400
Total				421805	218705

2) Status in 2020

Component Description		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	0.50	11.00 q	19250	11750	-12.00	18.39
Hort. Crop 2	Arecanut	1.00	7.85 q	325775	250775	84.71	274.29
Hort. Crop 3	Coconut (Border planting)	20 nos	1890 nuts	28350	23150	70.27	262.85
Hort. Crop 4	Jasmine	0.10	0.35 q	225000	150000	133.33	70.45
Hort. Crop 5	Beetle vine	0.05	7.2 q	34000	25000	28.57	38.89
Livestock 1	Dairy cows	5 nos	8400 l	268800	134400	300.00	357.14
	Poultry(Broiler)	2000	20.00q	200000	100000	>100	>100
Total				1101175	695075		217.81

The farmer was getting net annual income of Rs. 218705/- from paddy, arecanut, coconut, jasmine, beetle vine and dairy. He faced problems like low yield in paddy, Arecanut. With DFI interventions like Capacity building programmes, Field visits, Phone calls and video conference he is getting net annual income of Rs. 695075/-.

