



**Effect of DFI intervention Name of KVK: ICAR-Taralabalu KVK, Davanagere**

**Name of farmer: Vivekanandiah K. N.**

**Address: 604/2. 6<sup>th</sup> main, 2<sup>nd</sup> cross, HKR circle, Nitavalli, Davanagere**

**Karnataka**

**Age: 36 years**

**Education: B. A.**

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

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	No	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Enterprise	Value addition and marketing of minor millets and other products	1	Malt-0.6 Dosa mix-0.84 Turmaric powder-0.4	230000.00	18000.00
<b>Total</b>			<b>1.84</b>	<b>230000.00</b>	<b>18000.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Enterprise	Value addition and marketing of minor millets and other products	1	Malt-6 Dosa mix-6 Turmaric powder-3 Processed cashew-1.2 Processed almond:1.2 Pista-0.9	1595000.00	142000.00	894.56	688.88
<b>Total</b>			<b>18.3</b>	<b>1595000.00</b>	<b>142000.00</b>		<b>688.88</b>

**Brief:** The farmer used to get annual income of Rs. 18000 from Value addition and marketing of minor millets and other products. He faced problem in marketing of value added products. With DFI intervention like participation in the Saturday Organic Bazaar of KVK, he is getting annual income of Rs. 142000.



Participation of farmer in the Saturday organic bazaar of KVK premises



A view of the value added products



**Name of farmer: Thippesh Naik**  
**Address: Siddanuru Thanda**  
 Siddanuru, Anagodu Post  
 Davangere Taluk  
**Age: 43**  
**Education: 7<sup>th</sup>**  
**Size of land holding (in acre): 4.10**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	4.10	75.85	87227.50	30852.50
<b>Total</b>		<b>4.10</b>	<b>75.85</b>	<b>87227.50</b>	<b>30852.50</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (Q/litre/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize + Redgram	2.60	72.63	127102.50	77360.00	-4.24	150.74
Hort. Crop 1	Pomegranate	1.5	160	763250.00	538250.00	>100	>100
Livestock 1	Dairy farming FYM	5	10950 280	336750.00	227750.00	>100	>100
				<b>1227102.50</b>	<b>843360.00</b>		<b>2633.5</b>

**Brief:** The farmer used to get annual net income of Rs.30852 from maize as sole crop. He faced problems of pest and water scarcity due to erratic rainfall. With DFI interventions like Maize + Redgram, Pomegranate and farm pond, dairy farming etc., he is now getting annual net income of Rs 843360. In addition, there is cost saving of Rs.70,000 on staking and drip system in pomegranate where he learnt the technology



Intercropping of Redgram



Farm Pond



Pomegranate plot



**Effect of DFI intervention**  
**Name of farmer: Umesh G.N**  
**Address: Tyavanige**  
 Channagiri taluk  
**Age:40**  
**Education: PUC**  
**Size of land holding (in acre): 5.0 acre**

**Name of KVK: ICAR**  
**Taralabalu KVK, Davanagere**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	5.00	112.0	168000.00	60500.00
Total				<b>168000.00</b>	<b>60500.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy – Broadcasting	5.00	148	259000.00	191500.00	32.14	216.52
Total				<b>259000.00</b>	<b>191500.00</b>		<b>216.52</b>

**Brief:** The farmer used to get annual income of Rs. 60500/- from paddy under puddle condition. He is a tail ender farmer facing water shortage and higher cost of production .With DFI interventions like Broadcasting, Green manuring crops and IPM measures etc., now he is getting annual income of Rs 1,91,500. In addition, there is saving of Rs.10500 per acre on Cost of production.



Broadcasted paddy



Broadcasted Paddy ready for harvest

## Effect of DFI intervention

Name of KVK: ICAR  
TaraLalabu KVK, Davanagere



Name of farmer: Sri Dyamappa H.M  
Address: Halvarthy, Hebbal Post  
Karnataka  
Age: 51  
Education: SSLC  
Size of land holding (in acre): 15 acre

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No	Production (Q./litres)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	107.8	91375.00	48875.00
Hort. Crop 1	Arecanut	8	54.4	1904000.00	1679291.00
Hort. Crop 2	Rose	1	80.0	1230000.00	935000.00
Livestock 1	Cross Bred Animals FYM	15	28470.0 540	789750.00	424750.00
<b>Total</b>		<b>15</b>		<b>4015125.00</b>	<b>3087916.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (Q./litres/N o)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	4	87.2	149112.00	91232.00	-19.11	86.66
Field Crop 2	Paddy	2	42.5	91500.00	62100.00	>100.00	>100.00
Hort. Crop 1	Arecanut	8	84.8	3900800.00	3525800.00	55.88	109.95
Hort. Crop 2	Rose	1.5	128	2176000.00	1876000.00	60.00	100.64
Hort. Crop 3	Potato	1.0	807	208800.00	150050.00	>100.00	>100.00
Livestock 1	Cross Bred Animals FYM	15	29112 500	840300.00	439050.00	2.20	3.37
Livestock 2	Fish Rearing in Farm Pond	1	14.57	145700.00	93700.00	>100.00	>100.00
<b>Total</b>				<b>7512212.00</b>	<b>6237932.00</b>		<b>102.01</b>

**Brief:** The farmer used to get Net income of Rs. 3087916 per year from different crops grown in his farm along with Livestock activities. There were frequent dry spells resulting in drought years and reduced the yields. With DFI interventions improved dairy management, exposure visits, rain water harvesting (farm pond) and introduction of new crops like paddy(DSR) and Potato. In addition, income was generated by rose cultivation and fish farming. Now, he is getting net income of Rs 6237932 per year by adopting the technologies given by KVK, Davanagere.



Direct seeded Rice



View of farm pond and his farm



Potato

## Effect of DFI intervention

Name of KVK: ICAR  
Taranalabalu KVK, Davanagere



Name of farmer: Rudresh T V  
Address: Kariganuru, Channagiri Taluk  
Karnataka  
Age: 48  
Education: 7<sup>th</sup>  
Size of land holding (in acre): 2.5 acre

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop	Paddy	2.5	61.50	104550.00	44550.00
Total		2.5	61.50	104550.00	44550.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop	Organic Paddy	2.5	50.625 (31.64 of Organic Rice )	221459.00	169763.28	-17.68	281.06
Total			31.637	221459.00	169763.28		281.06

**Brief:** The farmer used to get annual income of **Rs 44550** from growing paddy in traditional method and used to sell the produce to APMC. He faced problems like fluctuation in market price and increased cost of production . With DFI interventions like Organic farming and marketing of Rice directly to the consumer. he is getting annual income of **Rs.169763.28**. In addition, there is cost saving of **Rs. 8700/acre** in the cost of production . Even though there is decrease in production by 17.68 % over the base year, however income had doubled by selling the organic Rice with brand name “Negila yogi” .



Organic Manure preparation



Organic RICE



Organic RICE packed



**Name of farmer: Mr. Anjaneya A. N**  
**Address: Kumbalur, Harihar tq, Davanagere dt.**  
**Karnataka**  
**Age: 42 Years**  
**Education: 10 std.**  
**Size of land holding(in acres): 8**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Rice (Organic)	3.5	56	164080.00	84080.00
Hort. Crop 1	Coconut	4.5	24300	194400.00	65400.00
Enterprise	Dairy (2 cows, 1 Gir & 1 Amruth mahal)	2	1067.50	23485.00	11685.00
<b>Total</b>				<b>381965.00</b>	<b>161165.00</b>

### 2) Status in 2020

Component Description		Period 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	Rice (Organic)	3.5	70	311500.00	186500.00	25.00	121.81
Hort. Crop	Coconut	4.5	31500	285000.00	128500.00	29.62	96.48
Enterprise	Dairy (2 cows, 1 Gir & 1 Amruth mahal)	2	1281	32025.00	13325.00	20.00	14.04
<b>Total</b>				<b>628525.00</b>	<b>328325.00</b>		<b>103.72</b>

**Brief:** The farmer used to get annual income of Rs. 161165 from organic rice, Coconut and dairy. He faced problems like marketing. With DFI interventions like green manuring through dhiancha, sunhemp and velvet beans in rice and coconut, participation in Saturday Organic Bazaar in KVK, Davanagere with value addition in rice, he is getting annual income of Rs 328325.



Mr. Anjaneya A. N. selling value added rice products in Saturday Organic Bazaar in KVK premises



Scientists from PPV & FRA, New Delhi visiting seed bank



**Name of farmer: Thippeswamy M. C**

**Address: Doddabigere, Channagiri taluk, Davanagere district.**

**Karnataka .**

**Age: 37 years**

**Education: Diploma in Mechanical**

**Size of land holding (in acre): 9**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ Number	Production (Q/Liter/ No	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Pop corn	2.5	18.2	56420.00	24920.00
Hort. Crop 1	Mango	4.75	62	210000.00	165000.00
Hort. Crop 2	Coconut	1.75	6200	49600.00	39800.00
Total				<b>316020.00</b>	<b>229720.00</b>

### 2) Status in 2020

Component Description		Period 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	Pop corn	2.5	23	92000.00	46800.00	26.37	87.80
Hort. Crop 1	Mango	4.75	85.01	850100.00	775100.00	37.11	369.76
Hort. Crop 2	Coconut	1.75	8000	80000.00	59800.00	29.03	50.25
Total				<b>102210.00</b>	<b>881700.00</b>		<b>283.81</b>

**Brief:** The farmer used to get annual income of Rs. 229720 from pop corn & mango growing, He faced problems like low yield and marketing. With DFI interventions like pruning, integrated nutrient and pest management, use of mango special, safe ripening of mangos and marketing of mangos directly to consumers in KVK premises, he is getting annual income of Rs. 881700.



A view of mango plot with farmer

Demonstration of safe ripening of mango in Doddabigere village

Marketing of safely ripened mangos directly to consumers in KVK premises

## Effect of DFI intervention



Name of farmer: Mr. Hanumantha Naik.R

Address: S/o, Rama Naik, Nittuvalli, Davangere-577 004  
Karnataka

Age: 34

Education: SSLC

Size of land holding (in acre): Landless Agriculture Labourer

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	No of Animals	Production (Q/l per Lactation/No)	Gross Income (Rs.)	Net Income (Rs.)
Livestock 1- Dairying	Crossbred cow Dairy Unit (HfF x)	2	Milk: 5475.0	164250.00	138450.00
			FYM: 4.5	9000.00	9000.00
Poultry birds	Nati Koli + Giriraja	10 + 5	Eggs-400 Giriraja Birds -5	2400.00 3000.00	4400.00
			<b>TOTAL</b>	<b>178650.00</b>	<b>151850.00</b>

Component Description		Period 2020-21				% increase over base year	
Components	Names	No of Animals	Production (Q/l per Lactation/ No-)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Livestock 1	Crossbred Cow Dairy Unit (HF x)	4	Milk: 11680 FYM : 120	373760.00 48000.00	295560.00	6.67 1233.33	113.48
Livestock 2	Sheep – Local Breed	2	Meat: 0.75	30000.00	18600.00	>100	>100
<b>TOTAL</b>				<b>451760.00</b>	<b>314160.00</b>		<b>106.89</b>

**Brief:** The farmer used to get annual Net income of Rs. 151850.00 from Milk, cow dung, poultry birds etc. He faced problems like severe shortage of green fodders, minerals & etc. for animal feeding. With DFI interventions like use of vegetables wastes available in the APMC market, use of compounded feeds & supplementation of Vitamins & minerals etc., he is getting annual Net income of Rs 314160. In addition, there is saving of Rs.7300 per animal per lactation in the feeding cost.



Collection of Vegetables wastes from APMC Yard



Feeding vegetables wastes collected from APMC to dairy animals



Name of farmer: Shivaprasad

Address: Shikara Dairy Farm, Jarikatte, Davangere-577 002  
Karnataka

Age: 30

Education: BE civil ,M.Tech

Size of the Animal Shed for Rental : 2000 sq ft

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	No of Animals	Production (Q/ I per lactation / No )	Gross Income (Rs.)	Net Income (Rs.)
Livestock 1	Indigenous cow Dairy Farm (Sahiwala Breed)	5	Milk: 7454.0	453240.00	89240.0
			FYM- 350	105000.00	105000.00
Total				558240.00	194240.00

Component Description		Period 2020-21				% increase over base year	
Components	Names	No .of animals	Production (Q/I per Lactatin/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Livestock 1	Indigenous Cow Dairy Farm (Sahiwala Breed)	8	Milk: 14152	990640.00	432640.00	89.86	384.81
			FYM: 500	200000.00	200000.00	42.86	90.48
TOTAL				<b>1190640.00</b>	<b>632640.00</b>		<b>225.70</b>

**Brief:** The farmer used to get annual Net income of Rs. 1,94,240 from Milk, Butter Ghee & FYM etc. He faced problems like shortage of green fodders & lack of feeding Minerals & Vitamins supplements, etc. With DFI interventions like feeding silage, azolla & enriched dry fodder Use of Rubber mats along with good management Practices, etc., he is getting annual Net income of Rs. 632640.00. In addition, there a saving of feeding cost by Rs. 10 per day per animal.



ASCI Dairy Trainees collecting information on Dairy Management in Sahiwal Dairy of Mr. Shivaprasad



**Name of farmer: Ashok S C**

**Address: Suragondanahalli, Marikunte Po, Jagalur tq, Davanagere Dist  
Karnataka**

**Age: 41**

**Education: SSLC**

**Size of land holding (in acre): 18**

### 1) Before Intervention

Components	Names	Area (Acre)/Number	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	14	259	287490.00	108290.00
Hort. Crop 1	Tomato in young arecanut garden	4	810	364500.00	246100.00
Livestock 1	Indigenous cow	3	Milk: 1095 l FYM- 9 tons	24090.00 18000.00	42090.00
Total				694080.00	396480.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	6	117	182520.00	72120.00	-54.83	-33.40
Hort. Crop 1	Drumstick	4	235	618050.00	409330.00	>100	>100
Hort. Crop 2	Arecanut	4	43	1376000.00	1169600.00	>100	>100
Hort. Crop 3	Tomato	4	918	413100.00	273500.00	13.33	11.13
Livestock 1	Indigenous cow	2	Milk: 845 l FYM- 6 tons	21125.00 27000.00	48125.00	15.76 -33.33	14.33
Total				2637795.00	1972675.00		397.55

**Brief:** The farmer used to get annual income of Rs. 396480.00 from maize and tomato. He faced problems like low income and low yield. With DFI interventions like introduction of drumstick, spraying of vegetable special and farm advisories. He is getting annual income of Rs 1972675.



Farmer with harvested drumstick pods



Recording Yield data in the farmers field



**Name of farmer: Chandrappa B C**

**Address: Kereyagalhalli, Hulikatte Po, Davanagere Taluk and Dist Karnataka**

**Age: 62**

**Education: BSc**

**Size of land holding (in acre): 26**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	7	150.50	165550.00	64050.00
Hort. Crop 1	Arecanut	12	32	786900.00	407700.00
Hort. Crop 2	Banana (Yelakki)	5	740	1337400.00	1010900.00
Hort. Crop 3	Banana (Robust)	2	420	193200.00	69000.00
Total				<b>2483050.00</b>	<b>1551650.00</b>

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	14	126	2935800.00	2326800.00	293.75	470.71
Hort. Crop 2	Banana (Yelakki)	4	540	1512000.00	1188900.00	-27.03	17.61
Hort. Crop 3	Banana (Robust)	8	2046	1023000.00	479000.00	387.14	594.20
Total				<b>5470800.00</b>	<b>3994700.00</b>		<b>157.45</b>

**Brief:** The farmer used to get annual income of Rs.1551650 from Maize, Arecanut and Banana. He faced problems like increased cost of production, low income, etc. With DFI interventions like introduction of tissue culture banana, banana special and farm advisories, he is getting annual income of Rs 3994700.



A view of Sole Banana plot



Inter-cropping of banana with arecanut



**Name of farmer:** Basavarajappa T H

**Address:** Hireuda, Devarahalli (Post), Channagiri ( tq), Davanagere (dt).

**Karnataka**

**Age:** 46 years

**Education:** B. A., LLB

**Size of land holding (in acre):** 14.

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ No	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	8	128	156160.00	90560.00
Field Crop 2	Cotton	2	12.5	56250.00	39450.00
Field Crop 3	Finger millet	2	13	19500.00	11500.00
Hort. Crop 1	Green Chilli	1	16.5	14850.00	8750.00
Livestock 1	Dairy (Buffalo)	20	4575	91500.00	72500.00
Total				<b>338260.00</b>	<b>222760.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize +Red gram	8	171.74	300545.00	174850.00	31.64	93.07
Field Crop 2	Cotton	2	18	122400.00	97400.00	44	146.09
Field Crop 3	Finger millet	2	16	60800.00	50800.00	23.07	341.73
Hort. Crop 1	Green Chilli	1	21.4	45000.00	36500.00	29.69	317.14
Hort. Crop 2	Papaya	2	53.33	80000.00	61500.00	>100	>100
Livestock 1	Dairy (Buffalo)	20	5185	181475.00	156475.00	13.33	115.82
Total				<b>790220.00</b>	<b>577525.00</b>		<b>159.26</b>

**Brief:** The income of the farmer was Rs. 222760. He faced problems of low yield and income. With the DFI interventions like introduction of HYV BRG-5 in red gram, pheromone traps, use of vegetable special, integrated pests and disease management in all crops and regular farm advisories, now he is getting annual income of Rs. 577525.



Dr. Srinivasa Reddy D. V., Principal Scientist, ICAR-ATARI, Bengaluru interacted with NFSM CFLD red gram farmers in Hireuda village



Installation of pheromone traps in maize+red gram demonstration plot



**Name of farmer:** Dharaneesh N. E

**Address:** Neethigere at post, Channagiri (Tq) Davanagere (Dist)-577215  
**Karnataka**

**Age:** 61years

**Education:** PUC

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Maize	2.5	49	51450.00	17700.00
Livestock	Dairy (Jersey)	1	762.5	16775.00	8275.00
Total				<b>68225.00</b>	<b>25975.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/Number	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field crop 1	Maize+Red gram	2.5	87.68	131528.60	98700.00	68.37	457.62
Livestock	Dairy (Jersey)	3	3050	76250.00	42250.00	300	410.57
Total				<b>207778.60</b>	<b>140950.00</b>		<b>442.63</b>

**Brief:** The farmer was getting income of Rs. 25975. He faced problems like monocrop in maize leading to low yield and income. With the DFI interventions like introduction of BRG-5 red gram variety as intercrop in maize, integrated pests, disease and nutrient management and regular farm advisories, now he is getting income of Rs 140950.



Method demonstration on installation of pheromone traps in NFSM CFLD red gram



A view of field day in NFSM CFLD red gram



**Name of farmer:** Maheshwarappa A

**Address:** s/o Rajashekarappa, Rameshwara, Yaraganahal (Post) Nyamathi (Tq) Davanagere (Dist).

**Karnataka**

**Age:** 48 years

**Education:** B.Sc.

**Size of land holding (in acre):** 2.12

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	35	40600.00	22100.00
Enterprise: Nursery	Arecanut seedlings	1	1200	31200.00	25200.00
Total				<b>71800.00</b>	<b>47300.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/ Number)	Production (Q/Liter/ No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize + Redgram	2	37.41	65475.00	37615.00	5.71	70.20
Enterprise: Nursery	Arecanut seedlings	1	8000	240000.00	192000.00	566.66	661.90
Total				<b>305475.00</b>	<b>229615.00</b>		<b>385.44</b>

**Brief:** The farmer was getting income of Rs. 47300. He faced the problems like low yield and income. With the DFI interventions like introduction of BRG-5 variety of red gram, pulse magic, improved marketing of arecanut seedlings and regular farm advisories, now he is getting annual income of Rs. 229615.



Farmer in his arecanut nursery



Farmer in his ready to harvest maize plot



**Name of farmer:** Maheshwarappa B

**Address:** Rameshwara, Yaranahal (Post) Nyamathi (Tq) Davanagere (Dist).

**Karnataka**

**Age:** 61 years

**Education:** 8<sup>th</sup> Standard

**Size of land holding (in acre):** 9.5

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Groundnut	3	25	90000.00	48000.00
Hort. crop 1	Onion	1.5	60	84000.00	56000.00
Hort. crop 2	Arecanut (raw)	5	160	720000.00	615000.00
Livestock	2HF+2Buffalo	4	3890	108920.00	76920.00
<b>Total</b>				<b>1002920.00</b>	<b>795920.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field crop 1	Groundnut	1.5	15	76500.00	41500.00	-20	-13.54
Hort. crop 1	Onion	1.5	50	95000.00	65000.00	-16.66	16.07
Hort. crop 2	Maize+ red gram	1.5	30+4	62700.00	42700.00	>100	>100
Hort. crop 3	Arecanut (raw)	5	270	1512000.00	1362000.00	68.75	121.46
Livestock	2HF+2Buffalo	4	4200	147000.00	109000.00	7.96	41.70
<b>Total</b>				<b>1893200.00</b>	<b>1620200.00</b>		<b>103.56</b>

**Brief:** The farmer was getting income of Rs. 795920. He faced problems like use of local varieties, pest and disease problems leading to low yield and income. With the DFI interventions like introduction of BRG-5 red gram variety, Bhima super onion variety, Integrated pests, Disease and Nutrient management and improved fodder variety CoFS-31. now he is getting income of Rs 1620200.



A view of bhima super variety of onion demonstration plot



Dr. Shashidhar, DE, UAHS visited the maize+red gram NFSM CFLD plot at Rameshwara



**Name of farmer:** Onkeshappa D

**Address:** Rameshwara , Yaraganalu (Post), Nyamathi ( tq), Davanagere (dt).

**Karnataka**

**Age:** 58 years

**Education:** PUC

**Size of land holding (in acre):** 6

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	112	134400.00	39908.00
Hort. Crop 1	Onion	0.5	31	38750.00	31850.00
Hort. Crop 2	Beetroot	0.5	12.5	6875.00	2375.00
Livestock 1	Cow (HF)	1	2440	53680.00	32080.00
Total				<b>233705.00</b>	<b>106213.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize+Red gram	5.2	127.4	222950.00	91401.00	13.75	129.03
Hort. Crop 1	Onion	0.5	43	77400.00	66500.00	38.71	108.79
Hort. Crop 2	Beetroot	0.5	14	16800.00	9000.00	12.00	278.94
Livestock 1	Cow (HF)	1	2745	68625.00	45525.00	12.50	41.91
Total				<b>385775.00</b>	<b>212426.00</b>		<b>100</b>

**Brief:** The farmer used to get annual income of Rs. 106213 from maize, onion, beetroot and dairy. He faced problems like older varieties, low yield and income. With DFI interventions like introduction of HYV BRG-5 red gram variety as intercrop in maize, Bhima super variety of onion, vegetable special, improved fodder variety CoFS-31 and regular farm advisories, now he is getting annual income of Rs. 212426.



Method demonstration of vegetable special spray in vegetables (onion, chilli and coriander) demonstration plot



Scientific field visit during sowing of maize+ red gram (BRG-5)



**Name of farmer:** Prakash P. G.

**Address:** Rameshwara, Yaraganalu (Post), Nyamathi (taluk), Davanagere (district).

**Karnataka**

**Age:** 42 years

**Education:** PUC

**Size of land holding (in acre):** 6

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	101	119180.00	40680.00
Hort. Crop 1	Tomato	0.5	61	48800.00	30200.00
Hort. Crop 2	Onion	0.5	38	30400.00	14200.00
Livestock	Buffalo	3	2834.5	62403.00	49026.00
<b>Total</b>				<b>260783.00</b>	<b>134106.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize+ Red gram	5	112.37	196658.00	95650.00	11.20	135.13
Hort. Crop 1	Tomato	0.5	72	86400.00	64900.00	18.03	114.90
Hort. Crop 2	Onion	0.5	47	58750.00	34650.00	23.68	144.01
Livestock	Buffalo	3	3568.5	89212.00	73012.00	25.89	48.93
<b>Total</b>				<b>431020.00</b>	<b>268212.00</b>		<b>100</b>

**Brief:** The farmer was getting annual income of Rs. 134106 from maize, tomato, onion and dairy. He faced problems like low yield, income and pest. With DFI interventions like introduction of BRG-5 variety of red gram as intercrop in maize, vegetable special, integrated nutrient and pest management practices and regular farm advisories, now he is getting annual income of Rs 268212.



**Farmer feeding CoFS-31 fodder in his dairy**



**A view BRG-5 red gram variety**



**Name of farmer: Veerabhadraiah M N**  
**Address: Anaberu village, Davanagere tq and Dist.**  
**Age: 43**  
**Education: Diploma in Electrical Engineering**  
**Size of land holding (in acre): 4**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	36.5	43070.00	15670.00
Field Crop 2	Finger millet	2	16.8	35280.00	15880.00
Total				<b>78350.00</b>	<b>31550.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Hort. Crop 1	Banana in young arecanut	4	265	492750.00	277150.00	>100.00	>100.00
Total				<b>492750.00</b>	<b>277150.00</b>		<b>778.44</b>

**Brief:** The farmer used to get annual net income of Rs. 31550 from maize and finger millet. He faced problem of low income due to low price in field crops. With DFI interventions like introduction of arecanut and banana, use of banana special and regular scientific advisories, he is now getting annual net income of Rs 277150.



Farmer in banana plot



KVK scientists interacting with farmer in banana plot



**Effect of DFI intervention**  
**Name of farmer: S.K Mallikarjunappa**  
**Address : Siddanuru**  
 Davanagere taluk

**Name of KVK: ICAR**  
**Taralabalu KVK, Davanagere**

**Age: 59**  
**Education: SSLC**  
**Size of land holding (in acre): 16**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre/No.)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	7.00	136.5	177450.00	89950.00
Hort.crop1	Arecanut	8.00	8.00	280000.00	125000.00
Hort. crop 2	Tomato	1.50	190.0	85500.00	69000.00
				<b>571450.00</b>	<b>283950.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	7.00	143.00	214500.00	104500.00	4.76	16.17
Hort.crop1	Arecanut	8.00	34.20	1200000.00	725000.00	327.5	480.00
Hort Crop 2	Tomato	1.00	169.00	101400.00	41400.00	-11.05	-40
Other Enterprises	Agro Forestry <i>Melia dubia</i>	50	500.00	25000.00	20000.00	>100.00	>100.00
<b>Total</b>				<b>1540900.00</b>	<b>890900.00</b>		<b>213.75</b>

**Brief:** Farmer used to get the annual income of **Rs.283950** during 2016-17. The main problems were scarcity of water due to dried bore wells and fall army worm in Maize. With DFI interventions like rainwater harvesting under NICRA project and intercrop/green manure crops in arecanut and IPM measures, vegetable special in vegetables, now the annual net income is **Rs.890900**.



Arecanut garden with integrated nutrient management NICRA intervention planting of forest saplings on Trench cum bunds



**Effect of DFI intervention**  
**Name of farmer:** Marulisiddappa  
**Address :** Shivapura, Angodu Post  
 Davanagere taluk -577512  
**Age:** 58  
**Education:** SSLC  
**Size of land holding (in acre):** 5

**Name of KVK:** ICAR  
**Taralabalu KVK, Davanagere**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5.00	112.50	135000.00	85000.00
<b>Total</b>				<b>135000.00</b>	<b>85000.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component s	Names	Area (Acre.)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize Maize + Redgram	3.00 2.00	113.34	198345.00	123345.00	0.75	45.11
Enterprise : Inputs dealer	Seeds and Fertilizers	-	-	1800000.00	250000.00	>100	>100
<b>Total</b>				<b>1998345.00</b>	<b>373345.00</b>		<b>339.23</b>

**Brief:** Farmer was getting annual net income of **Rs 85000** during 2016-17. The main problem was monocropping led to low yield and income. With DFI interventions like intercropping of redgram in maize and fall army worm management in maize and Use of pulse magic and IPM in redgram, DAESI course encouraged him to start input business in his village, now the annual net income is **Rs.373345.00** Now he is an extension leader in the village.



Critical input dealer- Farmer as an entrepreneur



A view of maize+red gram demonstration plot



### Effect of DFI intervention

Name of farmer: Vamadevappa  
 Address : Shivapura, Angodu Post  
 Davanagere taluk -577556

Name of KVK: ICAR  
 Taralabalu KVK, Davanagere

Age: 57  
 Education: SSLC  
 Size of land holding (in acre): 4.0

#### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Young Arecanut + Maize	2.50	0 + 47.50	57000.00	32000.00
Hort. crop 2	Coconut + Maize	1.50	15000.00 22.5	105000.00 29250.00	89250.00
<b>Total</b>				<b>191250.00</b>	<b>121250.00</b>

#### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre.)	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	2.50	8.5	323000.00	258000.00	>100.00	>100.00
Hort. crop 2	Coconut + Maize	1.50	16480 24.5	247200.00 39200.00	236400.00	9.87 8.89	164.87
<b>Total</b>				<b>609400.00</b>	<b>494400.00</b>		307.75

**Brief:** Farmer used to get annual net income of Rs.121250. The problem faced by him was fluctuating prices of coconut and maize. With DFI interventions like green manure crops, integrated nutrient management and regular farm advisories, now farmer is getting net annual income of **Rs.494400.**



Farmer in his Arceanut garden



Maize intercrop in Coconut garden



## Effect of DFI intervention

Name of KVK: ICAR  
TaraLalabu KVK, Davanagere

Name of farmer: Anjinappa S.R  
Address : Siddapur, Angodu Post  
Davanagere taluk -577556  
Age: 45

Education: SSLC Size of land holding(Acres) : 8.4

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3.00	60.00	78000.00	47000.00
Field crop 2	Maize + Redgram	2.00	30.00	39000.00	49000.00
			6.00	36000.00	
Hort. crop 1	Tomato	1.20	112.5	50625.00	30625.00
Hort. Crop 2	Arecanut (Raw)	1.28	30.0	135000.00	95000.00
				<b>338625.00</b>	<b>221625.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component s	Names	Area (Acre.)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	3.00	63.5	95250.00	65250.00	5.83	38.82
Hort Crop 1	Banana	3.00	180.0	504000.00	354000.00	>100.00	>100.00
Hort. Crop 2	Tomato	1.00	80.0	48000.00	26000.00	-28.89	-15.10
Hort. Crop 3	Arecanut(Raw)	1.28	36.5	200750.00	150750.00	21.66	58.68
<b>Total</b>				<b>848000.00</b>	<b>596000.00</b>		168.92

**Brief:** The farmer used to get annual income of Rs. 221625. He faced problems like depleted ground water, low yield and income in field crops. With DFI interventions like farm pond for rain water harvesting under NICRA project, use of banana special in banana and vegetable special in tomato, green manure in arecanut and regular farm advisories, now he is getting annual income of Rs 596000.



Use of Banana Special under FLD program



Arecanut plot



Name of farmer: Channappa

Address : Agasanakatte

Davanagere taluk -577223

Age:60

Education: C PEd PUC

Size of land holding (in acre): 4

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre/No.)	Production (Q./litres)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	43.8	59130.00	31530.00
Hort.crop1	Young arecanut + Maize	2	0 + 36.0	48600.00	23600.00
Livestock 1	Cross bred animals FYM	4	1982.5 250.0	63562.50	30000.00
<b>Total</b>				<b>171292.5</b>	<b>85130.00</b>

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component s	Names	Area (Acre/No.)	Production (Q./litres)	Gross Income (Rs.)	Net Income (Rs.)	productio n	income
Field Crop 1	Maize	2.00	44.30	75310.00	35710.00	1.14	13.25
Hort.crop1	Arecanut	2.00	6.56	210000.00	100000.00	>100.0	>100.00
Livestock 1	Cross bred animals FYM	4.00	2287.5 280.0	84187.50	42187.50	15.3 12	40.6 2
<b>Total</b>				<b>369497.50</b>	<b>177897.50</b>		<b>108.97</b>

**Brief:** Farmer used to get annual net income of **Rs 85130**. Problems were fall army worm in maize, water scarcity for horticulture crops and poor dairy management. With DFI interventions like use of mineral mixtures in dairy animals, HYV fodder CoFS-29, fodder enrichment and integrated nutrient management in maize and arecanut (green manuring), now the annual net income is **Rs.177897.5**.



ZMC members of NICRA interacting with farmer



Green manure in arecanut



**Effect of DFI intervention**

**Name of KVK: ICAR- Taralabalu KVK, Davanagere**

**Name of farmer: Manjunath S M**

**Address: Mayakonda village, Davanagere tq and Dist.**

**Age: 32**

**Education: MA, BEd**

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

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	1.5	29	33350.00	16550.00
Total				33350.00	16550.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q/ litre/No)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Livestock 1	HF x	03	6875	206250.00	118650.00	>100.00	>100.00
Livestock 2	Sheep	10	3.60	91600.00	53700.00	>100.00	>100.00
Poultry	Backyard	51	3213 eggs	51408.00	38008.00	>100.00	>100.00
Total				349258.00	210356.00		1171.03

**Brief:** The farmer used to get annual net income of Rs. 16550 from maize. He faced problem of low income due to low price and monocropping. With DFI interventions like introduction of livestock and poultry and regular scientific advisories, he is now getting annual net income of Rs 210356.



Animals in dairy unit



Sheep rearing



**Name of farmer: Shivakumar K S**

**Address: Kabbur village, Davanagere tq and Dist.**

**Age: 37**

**Education: Diploma in Pharmacy**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	108	141480.00	63880.00
Total				141480.00	63880.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Maize in young arecanut	1.5	18	28440.00	8840.00	>100.00	>100.00
Hort. Crop 1	Rose in young arecanut	1.5	23.8	228500.00	120500.00	>100.00	>100.00
Hort. Crop 2	Banana in young arecanut	2	37.14	77994.00	29094.00	>100.00	>100.00
Total				334934.00	158434.00		148.01

**Brief:** The farmer used to get annual net income of Rs. 63880 from maize. He faced problems like low income due to low price and monocropping. With DFI interventions like introduction of rose, banana, use of banana special and regular scientific advisories, he is now getting annual net income of Rs 158434.



Banana + Arecanut



Maize + Arecanut



Name of farmer: Nagaraja s/o Mallikarjunappa  
 Address : Halebathi , Davanagere (taluk) 577566  
 Age : 33  
 Education : MA      Size of land holding (in acre) : 1.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/number	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Paddy	1.0	23.5	31725.00	14925.00
Livestock 1	Small ruminants	45.0		265000.00	145000.00
<b>Total</b>				<b>296725.00</b>	<b>159925.00</b>

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (q/hour/ No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Areca nut	1.0	1.0	40000.00	20000.00	>100.00	>100.00
Enterprise	1. Transplanter	2.0	350 h	420000.00	280000.00	>100.00	>100.00
	2. Harvester	1.0	500 h	1750000.00	800000.00		
	3. Bale making machine	1.0	1000 h	2500000.00	1000000.00		
<b>Total</b>				<b>5050000.00</b>	<b>1370000.00</b>		<b>756.65</b>

**Brief:** The net income of the farmer was Rs.159925.00. The main problems faced by him low income due to small land holdings. With the DFI interventions like introduction of arecanut and motivated the farmer to become entrepreneur (transplanters, harvesters and Bale maker), now the farmer is getting net annual income of Rs 1370000.00.



Transplanting of paddy on hiring basis



Paddy Bale Maker

Paddy harvester



## Effect of DFI intervention

Name of KVK: ICAR  
Taralabalu KVK, Davanagere



Name of farmer : Mallikarjuna Swamy K.B.

Address : Chandranahlli , Belavnur (P)

Davanagere taluk -577002

Age : 54

Education : B.A

Size of land holding (acres) : 3.25

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q.)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Maize	2.00	40.00	44000.00	20000.00
Field crop 2	Paddy	0.50	11.50	18400.00	8000.00
Hort. crop 1	Arecanut (Raw)	2.00	50.00	165000.00	140000.00
<b>Total</b>				<b>227400.00</b>	<b>168000.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre./No.)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	2.00	45.0	85500.00	46000.00	12.5	130.00
Field Crop 2	Paddy (organic)	0.50	11.20	25760.00	17760.00	-2.60	122.00
Hort. crop 1	Arecanut (Raw)	2.00	80.00	448000.00	408000.00	60.00	191.42
<b>Total</b>				<b>559260.00</b>	<b>471760.00</b>	<b>-</b>	<b>180.80</b>

**Brief:** The farmer used to get annual income of Rs. 168000. He faced problems like improper nutrient management in paddy, maize and arecanut. With DFI interventions like FLD on INM, seed treatment with bio fertilizers, integrated pest management in paddy and maize, green manuring crops in arecanut and regular scientific advisories, now he is getting annual income of **Rs 471760.**



Arecanut garden – Organic farming



FLD- Use of Pheromone traps for stem borer management



Name of farmer: Shankar murthy N.J. s/o Jayappa N.

Address : Halebathi , Davanagere (taluk) 577566

Age : 36

Education :PUC      Size of land holding (in acre) : 14.0

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/number	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Paddy	11.0	260.48	286528.00	165528.00
Hort. crop 1	Arecanut	3.0	3.5	70000.00	45000.00
<b>Total</b>				<b>356528.00</b>	<b>210528.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field crop 1	Paddy	7.0	233.10	389277.00	249277.00	-10.51	50.6
Hort. crop 1	Arecanut	6.0	33.42	1170000.00	1020000.00	854.85	2166.67
<b>Total</b>				<b>1559277.00</b>	<b>1269277.00</b>		<b>502.9</b>

**Brief :** The net income of the farmer was **Rs.210528.00**.The main problems faced by him low yield of paddy and improper nutrient management in arecanut.With the DFI interventions like FLD on mechanization in paddy transplanting and regular scientific farm advisories for arecanut and integrated crop management approaches, now the farmer is getting net annual income of Rs **1269277.00**



FLD- Mechanisation in paddy transplanting



Arecanut Garden

**Effect of DFI intervention**

**Name of farmer:**Siddarth L S/o Prasannakumar  
**Address:** Lingadahalli( At and Post), Channagiri Tq, Davanagere Dist  
**Karnataka**  
**Age:** 45  
**Education:** BBM  
**Size of land holding (in acre):** 24

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	90	108000.00	49100.00
Hort. Crop 1	Arecanut	19	123.5	3952000.00	2325500.00
<b>Total</b>		<b>24</b>	<b>213.5</b>	<b>4060000.00</b>	<b>2374600.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	3	66	79200.00	41650.00	-26.7	-15.17
Hort. Crop 1	Arecanut	19	180.5	7942000.00	5638350.00	46.15	142.45
<b>Total</b>		<b>22</b>	<b>246.5</b>	<b>8021200.00</b>	<b>5680000.00</b>		<b>139.19</b>

**Brief:** The farmer used to get annual income of Rs. 2374600. He faced problems like Lower ground water table in borewells, Hidimundige, Nutdropping, Inflorescence dieback in Arecanut. With the DFI interventions like Formation of water storage tank, Drip irrigation system, Green manuring, INM and IPDM measures, Regular scientific advisory services now he is able to obtain annual income of Rs.5680000.



Water storage structure for protective irrigation for Arecanut



Sunhemp as green manure crop in Arecanut

## Effect of DFI intervention



**Name of farmer: K T Chandrashekarappa s/o Doddathimmappa k**  
**Address: Kukkuvada( at Post), Davanagere Tq and Dist**  
**Karnataka**  
**Age: 59**  
**Education: MCom**  
**Size of land holding (in acre): 14**

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	5	130	227500.00	117500.00
Field Crop 2	Sugarcane	4	2480	595200.00	399200.00
Field Crop 3	Maize	3	71	85200.00	47950.00
Hort. Crop 1	Arecanut	2	6.5	208000.00	110500.00
<b>Total</b>		<b>14</b>	<b>2687.5</b>	<b>1115900.00</b>	<b>675150.00</b>

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	128	230400.00	114250.00	-1.54	-2.77
Field Crop 2	Sugarcane	3	2640	660000.00	474000.00	6.45	18.73
Hort. Crop 1	Maize	3	87	121800.00	53300.00	22.53	11.16
Hort. Crop 2	Arecanut	2.5	20	880000.00	701950.00	207.69	535.24
Hort. Crop 3	Pepper as intercrop in Arecanut	600	8.5	297500.00	165000.00	>100	>100
<b>Total</b>		<b>12.5</b>	<b>2883.5</b>	<b>2189700.00</b>	<b>1508500.00</b>	<b>7.29</b>	<b>123.43</b>

**Brief:** The farmer used to get annual income of Rs.675150. He faced problems like lower income due to market price fluctuation, low yield due to lower fertility status, pest and disease problems in Arecanut and field crops. With the DFI interventions like INM and IPDM in Arecanut and field crops, Pepper as intercrop in Arecanut, Foliar application of micronutrients and PP chemicals, regular farm advisory services now he is able to obtain annual income of Rs.1508500.



KVK Scientist giving regular farm advisory services to farmer



Foliar application of Micronutrients and PP chemicals to Arecanut

**Effect of DFI intervention****Name of farmer: Karthik Patil s/o Jagadeesh Patil****Address: Lingadahalli ( at and Post), Channagiri Tq, Davanagere -Dist  
Karnataka****Age: 30****Education: BE****Size of land holding (in acre): 6****1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Vegetables as intercrop in Arecanut	4	277	166350.00	123500.00
Hort. Crop 2	Mango	2	66.2	26500.00	15200.00
Total		6	343.2	192850.00	138700.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	4	14.5	465000.00	360000.00	>100	>100
Hort. Crop 2	Mango	2	166.5	74925.00.00	51650.00	151.51	239.80
Other enterprise (Specify)	Horticulture Nursery			3555450.00	675000.00	>100	>100
Total		6	181	4020450	1086650.00		683.45

**Brief:** The farmer used to get annual income of Rs. 138700. He faced problems like low income due to price fluctuation in vegetable crops, lower yield in Mango due to pest and diseases problem. With the DFI interventions like, IPDM in Mango, Regular farmer advisory services, establishment of 'Vyavasaya Besaya' Horticulture nursery for supply of fruit and ornamental saplings, now he is able to obtain annual net income of Rs.1086650.



Establishment of Horticulture nursery



Sowing of ornamental saplings at nursery



Mango harvest after IPDM interventionss

**Effect of DFI intervention**

**Name of farmer: Nagaraja H S s/o Shekarappa H T**  
**Address: Kanivebilachi ( At post), Channagiri Tq, Davanagere Dist**  
**Karnataka**  
**Age: 41**  
**Education: BA**  
**Size of land holding (in acre): 6**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3	66	105600.00	59300.00
Field Crop 2	Maize	3	54	67500.00	40750.00
Total		6	120	173100.00	100050.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	3	12	528000.00	401700.00	>100	>100
Other enterprise (Specify)	Arecanut Processing Unit			2436500.00	816450.00	>100	>100
Other enterprise (Specify)	Arecanut Nursery			365000.00	186450.00	>100	>100
Total		3	12	3329500.00	1404600.00		1303.89

**Brief:** The farmer used to get annual income of Rs.100050. He faced problems like lower income due to market price fluctuation and mono cropping. With DFI interventions like growing Arecanut as commercial crop, establishing Arecanut Processing unit as custom hiring center for other Arecanut growers and Arecanut nursery activity, now he is able to obtain the annual income of Rs.1404600.



Production of quality Arecanut seedlings



Arecanut Processing unit as custom Hiring Centre



## Effect of DFI intervention



**Name of farmer: Bheemaraju V s/o Satyanarayana**

**Address: Salkatte (at post), Harihara Tq**

**Davanagere Dist**

**Karnataka**

**Age: 54**

**Education: 3<sup>rd</sup>**

**Size of land holding (in acre): 30**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	30	716	1181400.00	641400.00
Total		30	716	1181400.00	641400.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	20	680	1258000.00	698000.00	-5.02	8.82
Hort. Crop 1	Areca nut	10	46	2024000.00	1436500.00	>100.00	>100.00
Other enterprise (Specify)	Combined Paddy Harvester			2152000.00	460000.00	>100.00	>100.00
Total		30	726	5434000.00	2594500.00		304.50

**Brief:** The farmer used to get annual income of Rs. 6414400. He faced problems like lower income in paddy due to price fluctuation, pest and disease problems. With the DFI interventions like, IPDM and INM in paddy, Areca nut as commercial crop, rental business of Combined paddy harvester, now he is able to obtain annual income of Rs. 2594500.



Farmer with Areca nut crop



Paddy crop after following IPDM



Combined Paddy Harvester for rental purpose

## Effect of DFI intervention



**Name of farmer: Vijay Kumar K M s/o Murugendrappa K R**  
**Address: Malalkere ( At & Post), Davanagere Tq & Dist**  
**Karnataka**  
**Age: 46**  
**Education: BA**  
**Size of land holding (in acre): 12.5**

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	5	130	214500.00	104250.00
Hort. Crop 1	Coconut	2	8375	67000.00	43250.00
Other enterprise (Specify)	Agri Input shop			8545550.00	378900.00
Total		7		8827050.00	526400.00

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.5	48	86400.00	51050.00	-63.07	-51.03
Hort. Crop 1	Coconut	2	12600	176000.00	113700.00	50.44	162.89
Hort. Crop 2	Areca nut	9	63	2772000.00	2215650.00	>100	>100
Other enterprise (Specify)	Agri Input Shop			16355500.00	850500.00		124.46
Total		12.5		19389900.00	3230900.0		513.77

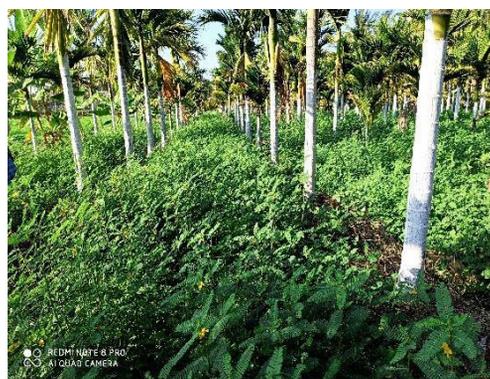
**Brief:** The farmer used to get annual income of Rs.526400. He is facing problems like lower income in paddy due to more of pest and diseases, pest incidence in coconut, water logging condition and disease problem in Areca nut, low input business due to lack of technical knowledge on field and Horticulture crops. With DFI interventions like adopting IPDM technologies in field and plantation crop, Mulching and green manuring in Areca nut, undergone DAESI course, regular scientific advisories and creating master trainers among rural youth by him, now he is able to obtain Annual income of Rs.3230900.



Chemical Input shop



Farmer practising Mulching in Areca nut



Green manuring in Areca nut

## Effect of DFI intervention



**Name of farmer: Kubergowda G K s/o Kotreshappa**  
**Address: Ramatheertha, Banuvalli Post, Harihara Tq, Davanagere Dist**  
**Karnataka**  
**Age: 40**  
**Education:SSLC**  
**Size of land holding (in acre): 4**

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Cotton	1	8	36000.00	19500.00
Field Crop 2	Maize	2	33	39600.00	22340.00
Hort. Crop 1	Betelvine	0.5	144000	148800.00	90800.00
Total		3.5		224400.00	132640.00

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	2	48	76800.00	40700.00	45.45	82.18
Field Crop 2	Betelvine	0.5	198000	244200.00	179700.00	37.5	97.90
Hort. Crop 1	Garlic	1.5	18	126000.00	94000.00	>100.00	>100.00
Total				447000.00	314400.00		137.03

**Brief:** The farmer used to get annual income of Rs. 132640. He faced problems like lower income in maize due to poor nutrition, incidence of wilt in Betelvine. With DFI interventions like INM in Maize, use of AMC in Betelvine, growing garlic as commercial crop, now he is able to obtain his annual income of Rs.314400.



Demonstration of AMC to control wilt in betelvine



Garlic as commercial crop

**Effect of DFI intervention**

**Name of farmer: Manjunath H S s/o Siddappa H**  
**Address: Ramagondanahalli ( At post), Davanagere Tq and Dist**  
**Karnataka**  
**Age: 41**  
**Education: MA**  
**Size of land holding (in acre): 2**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Arecanut	2	8	256000.00	187700.00
Total		2	8	256000.00	187700.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	2	14	616000.00	536500.00	75.00	185.82
Other enterprise (Specify)	Arecanut Nursery			1932500.00	337500.00	>100	>100
Total		2	14	2548500.00	874000.00		365.63

**Brief:** The farmer used to get annual income of Rs.187700. He faced problems like Hidimundige, nut dropping, bud rot in Arecanut. With DFI interventions like INM, IPDM in Arecanut, Jeevamrutha application, Arecanut Nursery activity, now he is able to obtain annual income of Rs.874000.



Preparation of Jeevamrutha



Application of Jeevamrutha to nursery plants



Mist Irrigation to Horticulture nursery plants



**Name of farmer:** Eshwrappa K. G

**Address:** Kandagal at post, Davanagere tq & district

**Karnataka**

**Age:** 66 years

**Education:** B. A

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy (Organic)	1	16.5	56900.00	48600.00
Hort. Crop 1	Coconut (Organic)	7	29800	268200.00	247200.00
Total				325100.00	295800.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy (Organic)	1	19	85215.00	73715.00	15.15	51.67
Hort. Crop 1	Coconut (Organic)	7	32500	455000.00	430000.00	09.06	73.94
Enterprise	Fisheries	2	40.5	324000.00	194400.00	>100	>100
Total				864215.00	698115.00		134.69

**Brief:** The farmer used to get annual income of Rs. 295800 from Paddy & coconut. He faced problems like monocropping, low yield and lower price leading to low income. With DFI interventions like introduction of aquaculture as enterprise with improved breeds *Amur Common Carp*, *Pangasius*, *Jayanti Rohu* and value addition in paddy and self marketing through KVK network, now he is getting annual income of Rs.698115.



Supply of improved breeds of fish fingerlings to farmer



A view of fisheries demonstration in farm pond



**Name of farmer:** Prabanjan D. L.

**Address:** Doddabigere (Post) Channagiri (Tq) Davanagere (Dist)

**Karnataka**

**Age:** 38 years

**Education:** B. A.

**Size of land holding (in acre):** 16

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize (Popcorn)	10	45	126000.00	27000.00
Hort. Crop 1	Mango	6	180	558000.00	540500.00
Hort. Crop 2	Coconut	200	4400	39600.00	28600.00
Total				723600.00	596100.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize (Popcorn)+ Red gram	10	74.33	327066.00	215300.00	65.17	697.40
Hort. Crop 1	Mango	6	300	1350000.00	1317000.00	66.66	143.66
Hort. Crop 2	Coconut	200	6150	73800.00	58300.00	39.77	103.84
Total				2085166.00	1590600.00		166.83

**Brief:** The income of the farmer was Rs.596100. He faced problems like monocropping, nutrient deficiencies in crops, low yield and income. With the DFI interventions like introduction of BRG-5 red gram variety as inter crop in maize, pulse magic, use of mango special, pruning, integrated pests and disease management practices in all crops and regular farm advisories, now he is getting annual income of Rs. 1590600.



Method demonstration of pulse magic spray for red gram



A view of BRG-5 red gram as intercrop in maize

**Effect of DFI intervention****Name of farmer: Lingesh s/o Kenchappa****Address: Kukkuvada ( at and Post), Davanagere Tq and Dist  
Karnataka****Age: 41****Education: ITI****Size of land holding (in acre): 23****1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	10	280	518000.00	303000.00
Field Crop 2	Sugarcane	5	3750	768750.00	528750.00
Hort. Crop 1	Arecanut	8	12	366000.00	190000.00
Total		23	4042	1652750.00	1021750.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Sugarcane	12	11400	3145260.00	2185260.00	204	313.28
Hort. Crop 1	Arecanut	9	48	432000.00	288000.00	300	51.57
Hort. Crop 2	Pepper as intercrop in Arecanut	450	3.2	128000.00	86000.00	>100	>100
Total		22	11451.2	3705260.00	2559260.00		150.47

**Brief:** The farmer used to get annual income of Rs.1021750 from 23 acre of land. He was facing problems like poor soil nutrition, shortage of water during critical stages for field crops. With the DFI interventions like soil test based fertilizer recommendations for sugarcane, use of IPDM measures, INM in Arecanut, Pepper intercrop in Arecanut garden, his net income now is increased to Rs.2559260.



KVK Scientist advising farmers on importance of Pepper intercrop in Arecanut



Harvested Pepper Berries



Sugarcane with INM Practices

## Effect of DFI intervention



**Name of farmer: Basavesh Patel s/o Prabhudev Patel**

**Address: Kariganur ( at and Post), Channagiri Tq, Davanagere Dist- 577219  
Karnataka**

**Age: 40**

**Education: BCom**

**Size of land holding (in acre): 25**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	8	144	332200.00	107200.00
Field Crop 2	Maize	16	336	403200.00	226700.00
Other enterprise	Input Dealer Shop			8505500.00	603800.00
<b>Total</b>		<b>24</b>	<b>612</b>	<b>9240900.00</b>	<b>937700.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort Crop 1	Arecanut	13	44	1980000.00	1375000.00	>100	>100
Field Crop 1	Paddy	8	186	399900.00	191900.00	29.16	79.01
Hort. Crop 2	Onion intercrop in Arecanut	1	75	157500.00	89200.00	>100	
Other enterprise (Specify)	Input Dealer shop			23550000.00	1950000.00		222.9
<b>Total</b>		<b>22</b>	<b>305</b>	<b>26087400.00</b>	<b>3606100.00</b>		<b>284.56</b>

**Brief:** The farmer used to get annual income of Rs. 937700 net income from his farm land and also from input business. He was getting low income from mono cropping, low business because of lack of technical knowledge on field problems . With the DFI interventions like completing the DAESI course, Arecanut crop in Maize plot, Onion crop with INM measures, Green manuring in Arecanut, he is able to increase his total income to Rs. 3606100. With the knowledge obtained from DAESI course now, more farmers are benefitted through him.



Input shop



Dhaincha as green manure crop in Arecanut



Onion intercrop in Arecanut



## Effect of DFI intervention



**Name of farmer: Ganesh T s/o Dasakariyappa**  
**Address: Tumbigere ( At & Post), Davanagere Tq and Dist**  
**Karnataka**  
**Age: 49**  
**Education: PUC**  
**Size of land holding (in acre): 7**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Arecanut	5	18	576000.00	383000.00
Field Crop 1	Maize	2	41	49200.00	21000.00
<b>Total</b>		<b>7</b>	<b>59</b>	<b>625200.00</b>	<b>404000.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	7	44	1936000.00	1499500.00	74	291.51
<b>Total</b>		<b>7</b>	<b>44</b>	<b>1936000.00</b>	<b>1499500.00</b>		<b>271.16</b>

**Brief:** The farmer used to get annual income of Rs. 404000. He faced problems like Hidi mundige, Bud rot, Nut drop and aereation problem for roots due to excessive tank silt application. With DFI interventions like Open trenches, IPDM , INM, Green manuring his annual income is now Rs.1499500.



Diagnostic field visit to  
Arecanut plot



KVK scientist advising farmer  
about open trenches for better  
aeration



Dhaincha as green  
manure crop



**Name of farmer: Smt. Saroja N. Patil**

**Address: Nittur, Harihara taluk, Davanagere district-577530**

**Karnataka**

**Age: 61 years**

**Education: 12<sup>th</sup> Standard.**

**Size of land holding (in acre): 26.0**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Field Crop 1	Paddy	23	620	1047800.00	460150.00
Hort. Crop-1	Coconut	3	12250	122500.00	41900.00
Total				1170300.00	502050.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	23	644	1449000.00	779700.00	3.87	69.44
Hort. Crop-1	Coconut+Foxtail millet (1.5 acre)	3	14650+4.5	175550.00	82850.00	19.59	97.73
Enterprise-1	Poultry meat	14200	312.40	255000.00	135000.00	>100	>100
Enterprise-2	Value Addition and Marketing of Minor Millets (Energy mix, Dry fruits laddu, Dry chetney powder, millet roti) in the brand name 'Thadvanam' with FSSAI.		8.4	478700.00	258000.00	>100	>100
Total				2358250.00	1255550.00		150.08

**Brief:** The net income of farm woman was Rs. 502050 during the year 2016-17. She faced the problems like low yield and income. With the DFI intervention like intercropping in coconut, poultry and value addition in minor millets and marketing in the brand name 'Thadvanam' with FSSAI. KVK's Saturday Organic Bazaar helped her in marketing the products. Now she is getting income of Rs. 1255550.



Exhibition and marketing of value added products in Krishi Mela



Smt. Saroja Patil participated in the 'State level innovative farmers conference' organised by KVK



Name of farmer: Siddeshi

Address: s/o Revanasiddappa Bistapar, Kakkargolla,  
Davangere-577 005

Karnataka

Age: 43

Education: SSLC

Size of land holding (in acre): 1=00

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Number	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop-1	Arecanut	1	1	4000.00	(-)28100.00
Livestock-1	Dairy unit- HFx	11	Milk : 12200 FYM: 640 Sale of Cows: 2	268400.00 80000.00 80000.00	60900.00
Total				432400.00	32800.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Number	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Hort. Crop-1	Arecanut (Raw)	1	45	270000.00	199000.00	97.78	-808.19
Livestock-1	Dairy unit- HFx	23	Milk : 24400 FYM: 1360 Sale of Cows: 5	610000.00 272000.00 250000.00	420000.00	-4.35 112.5 150	589.66
Total				1132000.00	619000.00		1787.19

**Brief:** The farmer used to get annual net income of Rs.32800 from areca nut & Livestock farming. He was facing the problem of low yield, disease & pest incidences and high maintenance cost of orchard and livestock. Through DFI interventions like production of Compost and practicing organic farming practices in arecanut, use of azolla, high yielding fodder crops (Nutrifeed) & enriched dry fodder for livestock, the farmer is now getting annual net income of Rs.619000.



Crossbred cow dairy unit



Arecanut crop under organic practice



## Effect of DFI intervention

Name of KVK: Davangere

Name of farmer: Veeranna. A. S

Address: s/o Basappa, Siddanuru, Davangere Tq

Age: 64

Education: PUC

Size of land holding (in acre): 10=10

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No.	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop-1	Maize	3	75	101250.00	63000.00
Hort. Crop-1	Arecanut	6	150	525000.00	405000.00
Hort. Crop-2	Tomato	1.5	80	80000.00	38000.00
Hort. Crop-3	Coconut	40	5000	40000.00	15000.00
Livestock-1	Dairy unit	2	Milk : 3050 FYM : 200	67100.00 40000.00	26775.00
<b>Total</b>				<b>853350.00</b>	<b>547775.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/l per lactation/ No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop-1	Maize	3	84	130200.00	82200.00	12.00	30.47
Hort. crop-1	Arecanut	6	300	1800000.00	1675000.00	100.00	313.58
Hort. crop-2	Tomato	1.5	130	260000.00	185000.00	62.50	386.84
Hort. crop-3	Coconut	40	7500	105000.00	55000.00	50.00	266.67
Livestock-1	Dairy unit	2	Milk :3355 FYM : 200	104005.00 40000.00	63680.00	10.00	137.83
<b>Total</b>				<b>2439205.00</b>	<b>2060880.00</b>	<b>-</b>	<b>276.23</b>

**Brief:** The farmer used to get annual net income of Rs.547775 from Maize, arecanut, coconut and livestock. He was facing the problem of pest & disease, low yield. Through DFI interventions such as farm advisories on improved management practices (arecanut), use of NRM structure for crop maintenance during summers, production and use of compost / vermicompost in orchards, high yielding variety of fodder crops (CoFS -31), silage and dry fodder enrichment, the farmer is now getting net income of Rs.2060880



Farm pond



ZMC team visit to Tomato plot



Arecanut under organic practice



**Name of farmer: Santhosh Kumar**

**Address: Holesirigere village, Harihara tq, Davanagere Dist.**

**Karnataka**

**Age: 35**

**Education: BA, LLB**

**Size of land holding (in acre): 25**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	10	165	181500.00	45900.00
Field Crop 2	Paddy	5	135	216000.00	87500.00
Hort. Crop 1	Coconut	10	115	253000.00	205370.00
Total				650500.00	338770.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Hort. Crop 1	Coconut	10	156	421200.00	352450.00	35.65	71.62
Hort. Crop 2	Banana (yelakki) in Arecanut	10	510	1530000.00	804500.00	>100.00	>100.00
Hort. Crop 3	Soybean in Arecanut	5	24	158400.00	114800.00	>100.00	>100.00
Total				2109600.00	1271750.00		275.40

**Brief:** The farmer used to get annual income of Rs. 338770 from maize, paddy and coconut. He faced problems like unscientific nutrient management, pest and disease and low yield. With DFI interventions like introduction of banana and soybean as intercrop in young arecanut, use of banana special, regular scientific advisories, he is now getting annual income of Rs 1271750.



Farmer with harvested banana bunch



Farmer with KVK scientists



## Effect of DFI intervention

Name of KVK: ICAR  
Tara labalu KVK, Davanagere

Name of farmer: Ranganna  
Address: Nalkunda, Maykonda Hobli  
Davanagere taluk-577534

Age: 44  
Education: PUC  
Size of land holding (in acre): 21 acre

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q./No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1.50	31.50	29925.00	13225.00
Field Crop 2	Maize	4.00	86.0	73100.00	24900.00
Hort. Crop 1	Arecanut	2.50	23.8	833000.00	683275.00
	Arecanut (young)	6.50	-	-	-
Hort.. Crop 2	Coconut	2.50	9670	53680.00	41680.00
Others	Waste land	4.00	-	-	-
<b>Total</b>				<b>989705.00</b>	<b>763080.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.50	29.70	44550.00	25800.00	-5.71	95.08
Field Crop 2	Maize	4.00	74.80	127160.00	67160.00	-13.02	169.70
Hort. Crop 1	Arecanut	4.50	52.80	1539200.00	1239200.00	121.8	81.36
	Arecanut	8.50					
Hort.. Crop 2	Coconut	2.50	7000.00	105000.00	90000.00	-27.61	115.93
	Copra		9.2	126000.00	104000.00		
<b>Total</b>				<b>1941910</b>	<b>1526160</b>		<b>100</b>

**Brief:** Different crops were grown and getting the annual net income of Rs. 763080 in 2016-17. The main problems were fall army worm in maize and paddy, labour problem and improper nutrient management in arecanut. With DFI interventions like regular scientific advisories, DSR technology, use of green manure crops in Arecanut and value addition to coconut, now the annual net income is Rs.1526160 by adopting the technology given by KVK, Davanagere.



Coconut



DSR



Arecanut



Name of farmer: Ravi B

Address: Rameshwara, Yaraganal Post  
Nymathi taluk-577223

Age:34

Education: PUC

Size of land holding (in acre): 10 acre

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q./No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	6.00	135.70	162840.00	82455.00
Field Crop 2	Groundnut	2.00	29.00	121800.00	86800.00
Hort. Crop 1	Tomato	1.50	200.00	90000.00	28000.00
Hort.. Crop 2	Onion	0.50	42.00	27300.00	13800.00
<b>Total</b>				<b>401940.00</b>	<b>211055.00</b>

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	5.00	117.50	193875.00	117375.00	-13.41	29.21
	Maize + Redgram	1.00	29.4	51614.90	32185.00	100	100
Field Crop 2	Groundnut	2.00	32.9	148050.00	108250.00	-	24.71
Hort. Crop 1	Onion	1.00	318.00	270300.00	164300.00	65.71	1090.58
Hort.. Crop 2	Areca nut	2.00	-	-	-	>100	>100
<b>Total</b>				<b>663839.90</b>	<b>422110.00</b>	<b>-</b>	<b>100</b>

**Brief:** The farmer used to get net annual income of **Rs. 211055** from different crops grown in his farm. There were frequent dry spells resulting in drought years and reduced the yields. With DFI interventions like intercropping with Redgram (BRG-5), INM and IPM practices, exposure visits, now he is getting net income of **Rs 422110**.



Groundnut (GPBD-4)



Maize + Redgram (BRG-5)



## Effect of DFI intervention

Name of KVK: ICAR  
Taralabalu KVK, Davanagere

Name of farmer: D Maheswarappa

Address: Rameshwara, Yaraganal Post  
Nymathi taluk-577223

Age:46

Education: PUC

Size of land holding (in acre): 9 acre

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q./No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	6.00	96.00	115200.00	43200.00
Field Crop 2	Groundnut	1.00	12.50	43750.00	25750.00
Hort.. Crop 1	Onion	1.00	76.80	46080.00	26580.00
<b>Total</b>				<b>205030.00</b>	<b>95530.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q./No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	7.00	131.5	223550.00	121550.00	36.97	181.36
Field Crop 2	Groundnut	1.00	13.80	58650.00	35650.00	10.40	38.44
Hort. Crop 1	Onion	1.00	82.10	68785.00	43985.00	6.90	65.48
<b>Total</b>				<b>350985.00</b>	<b>201185.00</b>		<b>110.59</b>

**Brief:** Different crops were grown and getting the annual net income of Rs. 95530 in 2016-17. The main problems were fall army worm in maize, labour problem and improper nutrient management in Onion. With DFI interventions like introduction of new onion variety(Bhima super), INM and IPM practices, now the annual net income is Rs.201185.



KVK Scientists interacting with farmers in Groundnut plot



Farmer Scientist interaction

## Effect of DFI intervention



**Name of farmer:** Veerabhadrappa S.G  
**Address:** s/o S.G.Halappa  
**Village :** Hire Halivana. HariharaTq  
**Age:** 51  
**Education:** 9<sup>th</sup> Std  
**Size of land holding (in acre ) :** 2.0

**Name of KVK:** ICAR Taralabalu  
**KVKDavangere**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Hort.Crop-1	Ridge Guard (vitiated)	0.5	0.0	(-) 3000.00	(-)3000.00
Hort.Crop-2	Bhendi	0.25	2.0	4000.00	2000.00
Hort.Crop-3	Brinjal	0.5	4.0	8000.00	6000.00
Hort. Crop-4	Cluster Bean	0.5	3.5	8750.00	4750.00
Hort.Crop-5	Beans	0.25	1.0	2500.00	1500.00
Poultry	Back Yard Poultry rearing	8	520	5200.00	3700.00
<b>Total</b>				25450.00	14950.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort.Crop-1	Tuberose in Young Arecanut	1.0	13.0	52000.00	37000.00	>100.00	>100.00
Hort.Crop-2	Kakada in Young Arecanut	1.0	11.0	165000.00	153000.00	>100.00	>100.00
Poultry	Back Yard Poultry rearing	7	500	10000.00	8000.00	(-3.86)	116.21
				<b>227000.00</b>	<b>198000.00</b>		<b>1224.41</b>

**Brief:** The farmer used to get annual net income of Rs.14950 from vegetable production and back yard poultry birds rearing. He was facing the problems like diseases & pests in vegetable crops & price fluctuations. Through DFI interventions like IPM measures, regular farm advisories, field visits, and improved marketing approaches the farmer is now getting annual net income of Rs.198000.



Tuberose in Young Arecanut



Jasmine (Kakada) in Young Arecanut



**Name of farmer:** Prasannakumar G. K

**Address:** Doddabbigere at post, Channagiri tq, Davanagere district  
**Karnataka**

**Age:** 47 years

**Education:** PUC

**Size of land holding (in acre):** 6.5

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize (popcorn)	4	33	92400.00	62400.00
Hort. Crop 1	Mango	2.5	20	84000.00	64500.00
Hort. Crop 2	Coconut	1.5	1100	7700.00	3900.00
Total				184100.00	130800.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component s	Names	Area (Acre)	Production (q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize (popcorn)+Red gram	4	42+0.5	203700.00	163300.00	28.78 (maize)	161.7
Hort. Crop 1	Mango	2.5	40	400000.00	370000.00	100.00	473.64
Hort. Crop 2	Coconut	1.5	2700	29700.00	24200.00	145.45	520.51
Total				<b>633400.00</b>	<b>557500.00</b>		<b>326.22</b>

**Brief:** The farmer used to get annual income of Rs. 130800 from Maize, mango and coconut. He faced problems like monocropping, low yield leading to lower income. With DFI interventions like BRG-5 red gram variety as intercrop in maize, pulse magic, use of mango special, pruning, direct marketing of mango fruits at KVK, now he is getting annual income of Rs. 557500.



Soil health card distributed to farmer



Farmer in mango plot



Name of farmer: H Channappa

Address: Suragondanahalli, Marikunte Po, Jagalur tq, Davanagere Dist  
Karnataka

Age: 48

Education: SSLC

Size of land holding (in acre): 14

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ Number	Production (q/l)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	14	259	287490.00	108290.00
Livestock 1	Indigenous cow	3	1095	24090.00	12090.00
Total				311580.00	120380.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/l)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	6	117	182520.00	72120.00	-54.82	-33.40
Hort. Crop 1	Drumstick	4	235	618050.00	409330.00	>100	>100
Hort. Crop 2	Tomato	4	918	413100.00	273500.00	>100	>100
Livestock 1	Indigenous cow	2	845	21125.00	18125.00	-22.83	49.91
Total				<b>1213670.00</b>	<b>773075.00</b>		<b>542.19</b>

**Brief:** The farmer used to get annual income of Rs.120380 from maize and tomato. He faced problems like low income and low yield. With DFI interventions like introduction of drumstick, spraying of vegetable special and regular farm advisories, now he is getting annual income of Rs 773075.



Drumstick demonstration plot



Farmers along with KVK scientists in drumstick plot



**Name of farmer: Basavaraj Gowdru B G**

**Address: Bijogatte village, Nyamathi tq and Davanagere Dist.**

**Age: 56**

**Education: Diploma in Mechanical engineering**

**Size of land holding (in acre): 10**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	10	290	522000.00	232400.00
Total				522000.00	232400.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Paddy	4	112	207200.00	86200.00	-61.37	-62.91
Hort. Crop 1	Arecanut (Raw)	4	200	700000.00	523500.00	>100.00	>100.00
Hort. Crop 2	Sapota	2	157	95600.00	16700.00	>100.00	>100.00
Total				1002800.00	626400.00		169.53

**Brief:** The farmer used to get annual income of Rs. 232400 from paddy. He faced problems like low income due to low price and monocropping. With DFI interventions like introduction of arecanut, sapota and regular scientific advisories, he is now getting annual net income of Rs 626400.



Paddy plot



Sapota



**Name of farmer:** Mohan kumar K C  
**Address:** Kashipura village, Davanagere tq and Dist.  
**Age:** 42  
**Education:** PUC  
**Size of land holding (in acre):** 6

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3	81	127980.00	66780.00
Hort. Crop 1	Young arecanut	3	-	-	-
Total				127980.00	66780.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Paddy	3	85	154700.00	71700.00	4.93	7.37
Hort. Crop 1	Arecanut (Raw)	3	182	680000.00	474400.00	>100.00	>100.00
Total				834700.00	546100.00		717.7

**Brief:** The farmer used to get annual income of Rs. 66780 from paddy. He faced problems like low income due to low price and monocropping. With DFI interventions like introduction of arecanut and regular scientific advisories, he is now getting annual income of Rs 546100.



Paddy plot



KVK scientists interaction with farmers



**Name of farmer: Ravi Naik R**  
**Address: Alurahatti Village, Davangere tq and Dist**  
**Karnataka**  
**Age: 42**  
**Education: SSLC**  
**Size of land holding (in acre): 3**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	65	71500.00	27900.00
Total				71500.00	27900.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Banana (Yelakki) in young arecanut	3	216	691200.00	546900.00	>100.00	>100.00
Hort. Crop 1	Arecanut Nursery	0.1	9600	241250.00	204350.00	>100.00	>100.00
Poultry	Layer	500	69350	554800.00	289800.00	>100.00	>100.00
Total				<b>1487250.00</b>	<b>1041050.00</b>		<b>3631</b>

**Brief:** The farmer used to get annual net income of Rs. 27900 from maize. He faced problem of low income due to low price and mono cropping. With DFI interventions like introduction of banana, poultry and regular scientific advisories, he is now getting annual net income of Rs 1041050.



Banana + Arecanut



Farmer with harvested banana



**Name of farmer: Suresh H M**  
**Address: Aluru Village, Davangere tq and Dist**  
**Karnataka**  
**Age: 42**  
**Education: SSLC**  
**Size of land holding (in acre): 12.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	24	29900.00	8300.00
Hort. Crop 1	Arecanut	10.5	5.5	189750.00	106150.00
Total				219650.00	114450.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	7.5	138	213900.00	99900.00	475.00	1103.61
Hort. Crop 1	Arecanut	5	41	850000.00	667500.00	645.45	528.88
Livestock 1	Hf x and Gir	2	3540	106200.00	79900.00	>100.00	>100.00
Total				<b>1170100.00</b>	<b>847300.00</b>		<b>640.32</b>

**Brief:** The farmer used to get annual net income of Rs. 114450 from maize and arecanut. He faced problem of low yield and income due to drought and pest incidence. With DFI interventions like introduction of livestock and regular scientific advisories, he is now getting annual net income of Rs 847300.



**Arecanut plot**



**Livestock**



**Name of farmer: Banakar Ishwarappa**  
**Address: Kyasenahalli Village, Davangere tq and Dist**  
**Karnataka**  
**Age: 62**  
**Education: 4th**  
**Size of land holding (in acre): 17**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	05	96	115200.00	48700.00
Field Crop 2	Finger millet	04	45.6	95760.00	47260.00
Field Crop 3	Sorghum	03	34.5	65205.00	36705.00
Field Crop 4	Groundnut	05	24	118800.00	55300.00
Total				<b>394965.00</b>	<b>187965.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No )	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	04	106	164300.00	85680.00	10.41	75.93
Field Crop 2	Finger millet	04	52	122200.00	63600.00	14.03	34.07
Field Crop 4	Groundnut	04	16	82300.00	33800.00	-33.33	-38.88
Hort. Crop 1	Banana in young arecanut	04	42	399400.00	272200.00	>100.00	>100.00
Total				<b>768200.00</b>	<b>455280.00</b>		<b>142.21</b>

**Brief:** The farmer used to get annual income of Rs. 187965 from maize, finger millet, sorghum and groundnut. He faced problem of low income due to low price in field crops. With DFI interventions like introduction of banana, regular scientific advisories, he is now getting annual net income of Rs 455280.



KVK scientist interaction with farmer



Maize + Redgram plot



**Name of farmer:** Dhananjaya  
**Address:** Mayakonda, village, Davanagere tq, Davanagere Dist  
**Karnataka**  
**Age:** 31  
**Education:** SSLC  
**Size of land holding (in acre):** 3.3

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/l)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	58	63800.00	20950.00
Live stock 1	HF x	1	2310	50820.00	20990.00
Live stock 2	Sheep	2	0.73	19830.00	11630.00
Total				134450.00	53570.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Maize	3	63	97650.00	40900.00	8.62	95.22
Nursery	Vegetables	0.3	320000	192000.00	86640.00	>100.00	>100.00
Total				<b>289650.00</b>	<b>127540.00</b>		<b>138.08</b>

**Brief:** The farmer used to get annual income of Rs. 53570 from maize and livestock. He faced problems like drought, pest and disease and low yield. With DFI interventions like introduction of vegetables nursery, regular scientific advisories, he is now getting annual income of Rs 127540.



Farmer at his high tech vegetable nursery



Providing vegetable seedlings to fellow farmers



**Name of farmer: Aruthesh S B**

**Address: Suragondanahalli, Marikunte Po, Jagaluru tq, Davanagere Dist  
Karnataka**

**Age: 38**

**Education: PUC**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	20	385	423500.00	136200.00
Hort. Crop 1	Tomato	2	556	250200.00	126500.00
Total				673700.00	262700.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Maize	10	206	298700.00	105200.00	-46.50	-22.76
Hort. Crop 1	Drumstick	4	248	545600.00	366900.00	>100.00	>100.00
Hort. Crop 2	Arecanut	4	22.8	729600.00	471300.00	>100.00	>100.00
Total				1573900.00	943400.00		259.11

**Brief:** The farmer used to get annual income of Rs. 262700 from Maize and tomato. He faced problems like low income due to monocropping. With DFI interventions like introduction of drumstick and arecanut, and regular scientific advisories, he is now getting annual income of Rs 943400.



Drumstick plot



KVK scientists interacting with farmer



**Name of farmer: Rajashekhar K G**  
**Address: Halebathi, Davanagere tq and Dist.**  
**Age: 55**  
**Education: SSLC**  
**Size of land holding (in acre): 4.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sugarcane	2	135	233550.00	40500.00
Hort. Crop 1	Paddy	2.5	56.5	91687.00	46750.00
Total				325237.00	87250.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Hort. Crop 1	Arecanut (Raw)	4.5	78	362700.00	217350.00	>100.00	>100.00
Total				<b>362700.00</b>	<b>217350.00</b>		<b>149.11</b>

**Brief:** The farmer used to get annual net income of Rs. 87250 from sugarcane and Paddy. He faced problems like low income due to low price. With DFI interventions like introduction of arecanut and regular scientific advisories, he is now getting annual net income of Rs 217350.



Farmer with KVK Scientist



Arecanut plot



**Name of farmer: Nagaraj K S**

**Address: Hemmanabethur village, Davanagere tq and Dist.**

**Age: 32**

**Education: PUC**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3.5	53	60950.00	26450.00
Total				60950.00	26450.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Maize	2.5	36	55800.00	24500.00	-32.07	-7.37
Hort. Crop 1	Apple ber	1	215	73600.00	41100.00	>100.00	>100.00
Total				129400.00	65600.00		148.01

**Brief:** The farmer used to get annual net income of Rs. 26450 from maize. He faced problems like low income due to low price and monocropping. With DFI interventions like introduction of apple ber, solar trap and regular scientific advisories, he is now getting annual net income of Rs 65600.



Solar trap in an apple ber plot



KVK scientists interacting with farmer in apple ber plot



**Name of farmer: Mr. Basavanatappa**  
**Address: Annapura, Naraganahalli (post), Davanagere (tq. & dist.)**  
**Karnataka**  
**Age: 52 years**  
**Education: 10<sup>th</sup>**  
**Size of land holding (in acre): 2.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.5	65	74750.00	61550.00
Other enterprise - Dairy	Cow (Jersy)	1	1830	40260.00	15060.00
Total				<b>115010.00</b>	<b>76610.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize+Red gram	2.5	77.5	113875.00	116250.00	19.23	88.87
Other enterprise - Dairy	Cow (Jersy) & Heifers	2 2	4575	114375.00	56775.00	60.00	276.99
Total				<b>228250.00</b>	<b>173025.00</b>		<b>125.85</b>

**Brief:** The farmer used to get annual income of Rs. 76610 from maize and dairy enterprise. He faced problems like low yield and income. With DFI interventions like red gram (BRG-5 variety) as intercrop in maize, spraying of pulse magic and installation of pheromone traps in red gram and improved dairy management practices, now he is getting annual income of Rs. 173025.



Installation of pheromone traps in red gram demonstration plot



Dr. Chandregowda M. J., Principal Scientist, ICAR-ATARI, Bengaluru visited harvested BRG-5 variety of red gram



**Name of farmer: Smt. Yashodhamma Malleshappa**

**Address: Rameshwara , Yaraganalu (Post), Nyamathi( tq), Davanagere (district)  
Karnataka**

**Age: 47**

**Education: B. A., B ed.**

**Size of land holding (in acre): 16.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	8	204	240720.00	100720.00
Field Crop 2	Bengalgram	2	13.1	49780.00	41980.00
Field Crop 3	Groundnut	1	9.8	38710.00	25310.00
Hort. Crop 1	Onion (followed by bengal gram)	2	152	71440.00	42440.00
Hort. Crop 2	Arecanut	5.5	35	997500.00	786500.00
Livestock 1 Dairy	HF	1	2440	53680.00	38680.00
<b>Total</b>				<b>1451830.00</b>	<b>1035630.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	8	225	371250.00	199250.00	10.29	97.82
Field Crop 2	Bengalgram	2	15.5	93000.00	82000.00	18.32	95.33
Field Crop 3	Groundnut	1	11	63800.00	39300.00	12.24	55.27
Hort. Crop 1	Onion(followed by bengal gram)	2	180	108000.00	68500.00	18.42	61.55
Hort. Crop 2	Arecanut	5.5	50.40	1839600.00	1704600.00	44.00	116.73
Livestock 1 Dairy	HF	1	3050	76250.00	52750.00	25	36.37
<b>Total</b>				<b>2551900.00</b>	<b>2146400.00</b>		<b>107</b>

**Brief:** The farm woman was getting annual income of Rs. 1035630 from maize, bengal gram, onion and arecanut. She was facing problems like low yield and income. With the DFI interventions like introduction of HYV in bengal gram (JAKI-9218), groundnut (G2-52), onion (Bhima super), velvet beans as green manure crop in arecanut, nutrigarden and regular farm advisories, now she is getting the net income of Rs. 2146400.





**Name of farmer: Gangadharappa D**

**Address: Rameshwara, Yaraganal (Post) Nyamathi (Tq) Davanagere (Dist) Karnataka**

**Age: 54**

**Education: SSLC**

**Size of land holding (in acre): 8.5 Acres**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No	Production (Q/Liter.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	62	66960.00	15560.00
Field Crop 2	Groundnut	2	20	76000.00	43500.00
Field Crop 3	Paddy	1.5	30	39600.00	15100.00
Field Crop 4	Sorghum	1.5	10	17500.00	5000.00
Hort. crop 1	Tomato	0.5	85	42500.00	21000.00
Livestock 1	Cows (HF)	2	4270	93940.00	70940.00
Total				336500.00	171100.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	3	73	120450.00	64650.00	17.74	315.48
Field Crop 2	Groundnut	2	24	147600.00	107600.00	20.00	147.35
Field Crop 3	Paddy	1.5	33	56100.00	29100.00	10.00	92.71
Field Crop 4	Sorghum	1.5	12	31800.00	22300.00	20.00	346
Hort. crop 1	Tomato	0.5	90	180000.00	156000.00	5.88	642.85
Livestock 1	Cows (HF)	2	4575	114375.00	90875.00	7.14	28.10
Total				650325.00	470525.00		175

**Brief:** The net income of the farmer was Rs. 171100 in the year 2016-17. He faced the problems like low yield, pests and disease incidences, nutrient deficiencies. With the DFI interventions like introduction of GPBD-4 variety of ground nut, vegetable special, Integrated Pests and Disease Management, improved fodder variety CoFS-31 and farm advisories, now he is getting annual income of Rs. 470525.



On-campus training and supply of high yielding



## Effect of DFI intervention

Name of KVK: Davangere

Name of farmer: Yogishappa.B

Address: s/o : Mahadevappa.B, Kattigi, Nyamathi Tq

Age: 68

Education: B.Sc

Size of land holding (in acre): 8.0

### 1) Before Intervention

Components	Names	Area (Acre)/No	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop-1	Maize	5	70	84000.00	20000.00
Field Crop-2	Korale	3	2	16000.00	3000.00
Field Crop-3	Paddy	4	60	96000.00	26000.00
Livestock-1	Dairy unit (HFx)	2	Milk : 4320	108000.00	31200.00
			FYM :200	40000.00	40000.00
Livestock-2	Goat Breeding Unit	20+2	Lamb :20	80000.00	20000.00
Total				<b>424000.00</b>	<b>140200.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop-1	Maize	5	130	254800.00	173800.00	85.71	769.00
Field Crop-2	Korale	3	3	22500.00	9100.00	50.00	203.33
Field Crop-3	Paddy	4	67	107250.00	32250.00	11.66	24.03
Field crop-4	Horse gram	3	1.5	18000.00	10500.00	>100.00	>100.00
Livestock-1	Dairy unit (HFx)	2	Milk : 5400	135000.00	56200.00	25.00	84.26
			FYM :250	75000.00	75000.00		
Livestock-2	Goat Breeding Unit	20+2	Lamb :20	60000.00	25000.00		25
Total				672550.00	381850.00		172.36

**Brief:** The farmer used to get annual net income of Rs.140200 from Goat rearing and agriculture crops earlier. The farmer was facing the problems like Diseases, lamb mortality and low body weight gain in Goat rearing, fluctuation in market prices in field crops. Through DFI interventions like Total deworming, balanced nutrition, azolla, silage & of high yielding variety of fodder crops production (CoFS-31 & Lucerne), dry fodder enrichment, ICM in Field crops, the farmer is now getting an annual net income of Rs381850.



Maize crop during field day



Goat Breeding unit

## Effect of DFI intervention



Name of farmer: Nagaraja.K.M

Address: s/o : Mariyappa, Marikunte, Jagalur Tq

Age: 38

Education: PUC

Size of land holding (in acre): 1.5

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Component s	Names	Area (Acre)/No	Production (Q / No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop-1	Maize	1	25	30000.00	20000.00
Field Crop-2	Cotton	0.5	5	14000.00	10000.00
Livestock-1	Sheep Breeding Unit	80+4	Lambs :80	240000.00	200000.00
Total				284000.00	230000.00

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component s	Names	Area (Acre)/No	Production (Q/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop-1	Maize	1	23	34500.00	22500.00	-8.69	12.5
Field Crop-2	Cotton	0.5	6	48000.00	36000.00	20.00	260.00
Livestock-1	Sheep Breeding Unit	120+6	Lambs: 100	500000.00	425000.00	25.00	112.50
Total				<b>582500.00</b>	<b>483500.00</b>		<b>110.21</b>

**Brief :** The farmer used to get annual net income of Rs.230000 from Sheep rearing and agriculture crops earlier. He was facing problems like foot rot & Blue tongue in sheep rearing and pest problems in crop production. Through DFI interventions like timely Vaccination & deworming, Balanced feeding in small ruminants, IPM measures in crop production, the mortality rate in sheep had come down and the production of healthy lamb was possible along with improved yields, the farmer is now getting a net income of Rs.483500.



Diagnostic visit &amp; farm advisory on foot rot treatment



## Effect of DFI intervention

Name of KVK: Davangere

Name of farmer: Sadashiva Thumati

Address: s/o : Manohara Reddy, JagalurTq

Age: 25

Education: PUC

Size of land holding (in acre): 3.0

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/No	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop-1	Maize + Redgram	3	74	105917.20	69600.00
Field Crop-2	Chick pea (Rabi)	3	24	96000.00	75000.00
Livestock-1	Dairy unit (HFx)	12	Milk : 21350 FYM : 480	640500.00 96000.00	196500.00
Total				933500.00	341100.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop-1	Groundnut	3	24	117600.00	82200.00	>100.00	>100.00
Field Crop-2	Chick pea (Rabi)	3	30	174000.00	145500.00	25.00	94
Livestock-1	Dairy unit (HFx)	20	Milk : 33550 FYM : 600	1340000.00 180000.00	632000.00	57.4	221.63
Total				<b>1811600</b>	859700.00		152.04

**Brief:** The farmer used to get annual net income of Rs.341100 from dairy farming and agriculture crops production earlier. He was facing the problems like mastitis, low milk yield & and low quality milk among dairy animals. Improper nutrients balance in field crops. Through DFI interventions like scientific feeding of dairy animals by undergoing ASCI Dairy Farmer Training, use of silage, azolla, high yielding variety fodder crops (CoFS-31 ) and enriched dry foddors, the farmer is now getting annual net income of Rs 859700.



High Yielding Fodder Crop



Crossbred dairy unit

## Effect of DFI intervention

Name of KVK:  
Davangere



Name of farmer: Chandrappa.D

Address: s/o Mallappa.D, Rameswara Village.Nyamathi Tq  
Karnataka  
Age: 58  
Education: 4<sup>th</sup> Std  
Size of land holding (in acre) : 5.0

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	100	140000.00	80000.00
Livestock 1	Dairying-HF x cows	4	Milk : 6800 FYM: 100	149000.00 20000.00	59500.00
Total				<b>309000.00</b>	<b>139500.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	5	100	150000.00	85000.00	0	6.25
Livestock 1	Dairying-HF x cows	6	Milk : 18000 FYM: 140	486000.00 35000.00	389600.00	164.70	554.78
Total				<b>671000.00</b>	<b>474600.00</b>	-	<b>240.21</b>

**Brief:** The farmer used to get annual net income of Rs.139500 from dairy farming and maize crop production earlier. He was facing the problems like mastitis, low milk yield & and low quality milk among dairy animals. Through DFI interventions scientific feeding of dairy animals, use of azolla, Silage, different fodder crops (CoFS-31 & Lucerne) and enriched dry fodder the milk production had improved, the farmer is now getting annual net income of Rs.474600



Scientific Byre maintenance



Fodder Cafeteria established under FLD



**Name of farmer: Basanna C N s/o Nagendrappa C**  
**Address: Guddehalli ( at & Post), Nyamathi Tq and Dist**  
**Karnataka**  
**Age: 47**  
**Education: BSc,BEd**  
**Size of land holding (in acre): 10**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	7	148	192400.00	95400.00
Hort. Crop 1	Arecanut	1	6.5	234000.00	116000.00
Hort. Crop 2	Oil palm	2	345	385000.00	244900.00
Total		10	499.5	811400.00	456300.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	4	14.5	638000.00	472700.00	123.07	307.5
Hort. Crop 2	Banana	5	210	546000.00	361000.00	>100	>100
Hort. Crop 3	Pepper Intercrop in Arecanut	625	2.5	95000.00	58500.00	>100	>100
Hort. Crop 4	Hybrid Coconut	1	2200	33000.00	20400.00	>100	>100
Total		<b>10</b>		<b>1312000.00</b>	<b>912600.00</b>		<b>100</b>

**Brief:** The farmer used to get annual income of Rs. 456300. He faced problems like Price fluctuation in maize and oil palm, nut dropping in Arecanut, lowered ground water in bore wells. With the DFI interventions like Pepper (P-1) as intercrop in Arecanut, Tissue culture Banana, Hybrid Coconut, INM in Arecanut, Drip irrigation system, area expansion in Arecanut, now his income is increased to Rs.912600 per annum. He is practicing organic farming technologies like Jeevamrutha, Use of Bio Fertilizers, Green manuring, Vermicomposting etc.



KVK Scientist advising farmer about INM in Banana



KVK Scientist advising farmer about mulching and intercropping in Arecanut

**Effect of DFI intervention**

**Name of farmer:** Veerabhadrappe D M s/o Basavalingappa D M  
**Address:** Dagainakatte ( At and Post), Channagiri Tq, Davanagere Dist  
**Karnataka**  
**Age:** 46  
**Education:** 7<sup>th</sup>  
**Size of land holding (in acre):** 6

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	58	63800.00	27300.00
Hort. Crop 1	Arecanut	3	21	672000.00	507000.00
<b>Total</b>		<b>6</b>	<b>79</b>	<b>735800.00</b>	<b>534300.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	5	46	2024000.00	1707500.00	119	236.78
Hort. Crop 2	Banana intercrop in Arecanut	1	176	105600.00	74350.00	>100	>100
Hort. Crop 3	Pepper as intercrop in Arecanut	550	1.75	52500.00	36500.00	>100	>100
<b>Total</b>			<b>223.75</b>	<b>2182100.00</b>	<b>1818350.00</b>		<b>240.32</b>

**Brief:** The farmer used to get annual income of Rs. 534300. He faced problems like price fluctuation in maize, Hidimundige, Bud rot and Nut drop in Arecanut. With the DFI interventions like use of water soluble fertilizers, use of green manure crops, IPDM and INM in Arecanut, Pepper as intercrop in Arecanut, adopting Drip irrigation system, use of Tissue culture Banana, now he is able to obtain annual income of Rs.1818350.



KVK Scientist advising farmer about Banana Production technology



Pepper as intercrop in Arecanut garden

## Effect of DFI intervention



**Name of farmer: Prabhudev K S s/o Kumarappa Gowdru**  
**Address: Kathalgere ( At &Post), Channagiri Tq, Davanagere Dist**  
**Karnataka**  
**Age: 46**  
**Education: BSc**  
**Size of land holding (in acre): 12**

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	6	175	236250.00	121500.00
Hort. Crop 1	Areca nut	3	18	576000.00	319350.00
Hort. Crop 2	Banana	2	81	170100.00	96500.00
Hort. Crop 3	Coconut	1	2380	19040.00	12500.00
Other enterprise (Specify)	Kisan World Input Shop			9550000.00	770000.00
<b>Total</b>		<b>11</b>		<b>10551390.00</b>	<b>1319850.00</b>

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	3	61	97600.00	61100.00	>100	>100
Hort. Crop 1	Areca nut	7	42	1848000.00	1305300.00	133.33	308.7
Hort. Crop 2	Coconut	1	3640	50960.00	34395.00	52.94	175.16
Other enterprise (Specify)	Kisan World Input Shop			41552500.00	4316450.00		460.57
<b>Total</b>		<b>11</b>		<b>43549060.00</b>	<b>5717245.00</b>		<b>333.17</b>

**Brief:** The farmer used to get annual income of Rs. 1319850. He faced problems like waterlogged condition in Areca nut, nut dropping and inflorescence die back in Areca nut, lower business in input shop due to lack of knowledge in field problems. With the DFI interventions like Green manuring, organic and Natural farming, Mulching, IPDM and INM in Areca nut, DAESI course, regular scientific advisories and creating master trainers among rural youth by him, now he is able to obtain Annual income of Rs.5717245.



Organic and Natural farming in Areca nut



Kisan world Input shop



Velvet beans as green



**Name of farmer: Lakshmikanth s/o Byrappa**

**Address: Chikka Devarahalli, Devarahalli Post, Channagiri Tq, Davanagere Dist  
Karnataka**

**Age: 41**

**Education: MA**

**Size of land holding (in acre): 16**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Cotton	4	35	182000.00	114000.00
Field Crop 2	Maize	7	112	134400.00	62900.00
Hort. Crop 1	Banana	2	273	150150.00	85850.00
Hort. Crop 2	Arecanut	3	14	448000.00	271500.00
Total		13	434	914550.00	534250.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	11	231	369600.00	196800.00	106.25	212.87
Hort. Crop 1	Arecanut	3	26	1144000.00	958000.00	85.71	252.85
Hort. Crop 2	Chilli (Red)	3	14	126000.00	77400.00	>100.00	>100.00
Total		16	271	1639600.00	1232200.00		130.64

**Brief:** The farmer used to get annual income of Rs.534250. He faced problems like lower yield in maize due to poor nutrition, Poor soil fertility , Nut dropping in Arecanut . With the DFI interventions like INM, IPDM in Arecanut and Maize, Growing Banana and Red Chilli as intercrops in Arecanut,now he is obtaining annual income of Rs.1232200.



Red Chilli as intercrop in Arecanut



Demonstration of Banana Special to the farmer

## Effect of DFI intervention



**Name of farmer: Suresh Gowda S/o Basavarajappa T G**  
**Address: Taraganahalli, Honnali Tq, Davanagere Dist**  
**Karnataka**  
**Age: 43**  
**Education: BA**  
**Size of land holding (in acre): 30**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	10	183	216000.00	82500.00
Hort. Crop 1	Arecanut	10	65	2080000.00	1325700.00
Hort. Crop 2	Banana	10	1456	655200.00	418900.00
Total		30	1704	2951200.00	1827100.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	30	225	9562500.00	8326000.00	246.15	528.05
Total		30	225	9562500.00	8326000.00		355.69

**Brief:** The farmer used to get annual income of Rs.1827100. He faced problems like Price fluctuation in maize and Banana, Hidimundige, Bud rot, Nut dropping in Arecanut. With the DFI interventions like Green Manuring in Arecanut, IPDM and INM in Arecanut, Arecanut Processing unit, he is now obtaining annual income of Rs.8326000.00



Arecanut Processing unit



Dhaincha as Green manure crop in Arecanut



## Effect of DFI intervention

Name of farmer: Kalleth G M

Address: Huchhavvanahalli, Davanagere Tq and Dist  
Karnataka

Age: 41

Education: BA

Size of land holding (in acre): 30

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	10	276	317400.00	195350.00
Field Crop 2	Finger millet	3	32	113700.00	87020.00
Hort. Crop 3	Arecanut	10	66	2112000.00	1606900.00
Hort.crop 4	Coconut	7	--	--	--
Total		30	374	2543100.00	1889270.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	10	110	5124000.00	3854000.00	66	139
Hort. Crop 2	Coconut	7	20500	165500.00	105215.00	>100	>100
Hort. Crop 3	Pepper	2000	5.5	192500.00	115250.00	>100	>100
Field crop.1	Maize	12	336	487200.00	224500.00	21	14.92
Total				5969200.00	4298965.00		127.5

**Brief:** The farmer used to get annual income of Rs. 1889270 from 30 acres of land. He faced problems like Price fluctuation in field crops, Mono cropping, long dry spells. With DFI interventions like intercrop (Black Pepper), Rain water harvesting structures (one acre farm pond), Areca Processing unit, IPDM measures now he is getting annual income of Rs 4298965 from the same land.



Arecanut Processing and grading unit



Black Pepper as intercrop in Arecanut garden



Farm pond for water storage

**Effect of DFI intervention****Name of farmer: Adarsha B G**

**Address: Adarsha B G s/o B G Basavanagowda,  
Daginakatte ( at and Post), Channagiri Tq,  
Davanagere Dist-577551, Karnataka  
Karnataka**

**Age: 43****Education: BA****Size of land holding (in acre): 25****1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	6	84	216000.00	115325.00
Hort. Crop 1	Arecanut	16	135	2688000.00	1895420.00
Hort. Crop 2	Coconut	3	13500	162000.00	95400.00
Total				3066000.00	2106145.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	16	142	6390000.00	4452500.00	5.18	134.90
Hort. Crop 2	Maize	6	129	245100.00	156300.00	53.57	35.53
Hort. Crop 3	Coconut	3	19200	345600.00	212487.00	42.22	122.73
Total				<b>590700.00</b>	<b>4821287.00</b>		<b>128.91</b>

**Brief:** The farmer had obtained 84 q of yield in Arecanut in 16 acres which is far below the normal yield. He faced problems like Hidimundige, Nut dropping and lower ground water table. With the DFI interventions like construction of storage water tank, INM practices in Arecanut and Coconut and use of green manure crops as intercrops in Arecanut gardens he is able to raise his yield potential by 5.18 percent in Arecanut and 42.22 percent yield in Coconut. His net annual income has increased from Rs.2106145 to Rs. 4821287.



Construction of Storage tank



Follow up visit to INM Arecanut plot



## Effect of DFI intervention

Name of farmer: Basavantappa

Address: Veerabhadreshwara Nilaya, Vidyanagara, 3<sup>rd</sup> Cross, Behind APMC, Honnali-577217, Davanagere -Dist

Karnataka

Age: 58

Education: Bcom

Size of land holding (in acre): 10.5

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	38	60800.00	28900.00
Hort. Crop 1	Arecanut	7.5	56	1792000.00	1364250.00
Total		10.5	94	1852800.00	1393150.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	9.5	82.5	3712500.00	2641500.00	47.32	93.62
Hort. Crop 2	Coconut	1	5500	99000.00	62000.00	>100.00	>100.00
Hort. Crop 3	Pepper as intercrop in Arecanut	750	6.60	198550.00	115325.00	>100.00	>100.00
Total				<b>4010050.00</b>	<b>2818825.00</b>		<b>102.33</b>

**Brief:** The Farmer used to get annual income of Rs.1393150. The Problems like Hidimundige and nut drop was severe in his Arecanut farm. With DFI Interventions like organic farming technologies, INM in Arecanut, Open trenches, and Foliar nutrition, yield is increased by 47.32 %. The intercropping Pepper in Arecanut supported him to get the additional returns. Now his net annual income is Rs.2818825.



Arecanut farm in organic way



Pepper as intercrop in Arecanut

## Effect of DFI intervention



**Name of farmer: Sreenivas Rao s/o Satyanarayana**

**Address: Kempanahalli Venkateshwara Camp, Navilehal Post, Channagiri Tq,  
Davanagere Dist**

**Karnataka**

**Age: 51**

**Education: PUC**

**Size of land holding (in acre): 21**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	11	224	268800.00	156800.00
Field Crop 2	Paddy	10	398	636800.00	468950.00
Total		21	622	905600.00	625750.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	10	515	927000.00	648953.00	29.39	38.38
Hort. Crop 1	Arecanut	10	24	1056000.00	835250.00	>100.00	>100.00
Hort. Crop 2	Banana ( Intercrop)	2000	163	489000.00	245840.00	>100.00	>100.00
Total			702	2472000.00	1730043.00		176.47

**Brief:** Farmer used to get Annual income of Rs. 625750. He faced problems like low income due to mono cropping. With DFI interventions like introduction of Arecanut as Main crop and Banana as intercrop, INM and IPDM practices in Paddy, his net income has increased to Rs. 1730043.



Banana intercropped in Arecanut



Mulching and Natural Farming in Arecanut plot

**Effect of DFI intervention**

**Name of farmer: Murugesappa H B**  
**Address: Hedne, Mayakonda Hobli, Davanagere Tq&**  
**Dist Karnataka**  
**Age: 70**  
**Education: BSc, BBM**  
**Size of land holding (in acre): 18 Ac**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	8	168	184800.00	110550.00
Hort. Crop 1	Banana	2	35	352000.00	194500.00
Hort. Crop 2	Arecanut	6	48	1536000.00	1125000.00
Hort. Crop 3	Coconut	245	16500	132000.00	94500.00
<b>Total</b>		<b>16.00</b>		<b>2204800.00</b>	<b>1524000.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	15	105	4410000.00	2850000.00	118.75	153.3
Hort. Crop 2	Coconut	245	22500	315000.00	265000.00	36.36	180.42
Hort. Crop 3	Pepper	550	8.5	255000.00	195000.00	>100	
Hort. Crop 4	Guava	3	260	615000.00	235500.00	>100	
<b>Total</b>		<b>16</b>	<b>373.5</b>	<b>5595000.00</b>	<b>3545500.00</b>		<b>132.64</b>

**Brief:** The farmer used to get annual income of Rs. 1524000-00. He faced problems like Mono cropping, dry spells, Market problem etc. With DFI interventions like Alternate cropping system of Guava, multi storied cropping system ( Arecanut+ Pepper), IPDM, INM, water use efficiency etc., now he is getting annual income of Rs. 3545500. With the use of Arecanut processing unit, Arecanut dehusking machine and poly tunnel drying the marketable yield is increasing in Arecanut.



Guava crop as New crop in Maize field ,  
grading and marketing of Guava



Pepper as intercrop crop in Arecanut gardens

**Effect of DFI intervention**

Name of farmer: Subhashchandra K R

Address: # 3682/24, Bhumika Nilaya, 15 th Main, 8<sup>th</sup> cross, MCC B Block, Kuvempu Nagara, Davanagere

Karnataka

Age: 62 Education:

BBM

Size of land holding (in acre): 6

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort.Crop 1	Arecanut	6	36	1152000.00	784500.00
Hort.Crop 2	Coconut	45	2700	21600.00	16800.00
Total				1173600.00	801300.00

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre) /No	Production (Q/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	6	95	3990000.00	3345000.00	163.88	326.38
Hort. Crop 2	Pepper	850	6.5	195000.00	138000.00	>100.00	>100.00
Hort.Crop 3	Coconut	45	4950	69300.00	44500.00	83.33	164.88
Total			<b>101.5</b>	<b>4254300.00</b>	<b>3527500.00</b>		<b>340.22</b>

**Brief:** The farmer used to get annual income of Rs.801300 . He faced problems like Hidimundige, Bud rot, CBHC damage in Coconut. With DFI interventions like Pepper as intercropping in Arecanut, Organic farming techniques like Jeevamrutha, AMC liquid application, yields have improved. His net Annual income now is Rs.3527500.



Use of AMC solution to Pepper



Pepper as suitable intercrop in Arecanut



Name of farmer: Basavaraja T.S

Address: Mr. Basavvarja T.S.

Siddanuru, Anagodu Post

Davangere Taluk

Age:45

Education: PUC

Size of land holding (in acre): 10 acres

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	10	175.8	216234.00	67234.00
<b>Total</b>	<b>Maize</b>	<b>10</b>	<b>175.8</b>	<b>216234.00</b>	<b>67234.00</b>

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No )	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize + Redgram	8	163.92	286867.90	136535.00	-4.01	103.07
Field Crop 2	Finger Millet	2	35.7	103530.00	60830.00	>100	>100.00
Forest plants	Melia dubia	80	90	30600.00	26600.00	>100	>100.00
<b>Total</b>				<b>420997.90</b>	<b>223965.00</b>		<b>303.07</b>

**Brief:** The farmer used to get annual net income of Rs. 67234.00 from maize as a sole crop. He faced problems of low yield, dry spells, fall army worm and market rate fluctuation. With DFI interventions like intercropping with pulses ( BRG-5 ),contingent crop finger millet and NRM under NICRA project, now the annual net income of the farmer is Rs 223965.



Maize + Redgram (BRG-5) as intercrop



Best Farmer awarded by ICAR-CRIDA, Hyderabad



## Effect of DFI intervention

Name of KVK: ICAR  
Taralabalu KVK, Davanagere



Name of farmer: Satish T.N .  
Address: Thyavanige  
Channagiri taluk  
Age:33  
Education: SSLC  
Size of land holding (in acre): 3.14 acre

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3.14	73.40	110112.00	36322.00
<b>Total</b>		<b>3.14</b>	<b>73.40</b>	<b>110112.00</b>	<b>36322.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Paddy (DSR)	3.14	72.03	126055.30	82566.30	-1.86	127.31
<b>Total</b>		<b>3.14</b>	<b>72.03</b>	<b>126055.30</b>	<b>82566.30</b>	<b>-1.86</b>	<b>127.31</b>

**Brief:** By growing traditional method of paddy under puddle condition he used to get a net annual income of Rs.36322. The main problem faced by him was higher cost of production, Scarcity of water and nutrient management. With DFI interventions like Direct Dry seeded Rice, Green manuring crops and IPM measures, now he is getting annual net income of Rs 82566.30. In addition, there is cost saving of Rs.11000 per acre on Cost of production.



Dr. DVS Reddy , ATARI,  
Bangalore visited the plots



Installation of tricho cards



DSR ready for harvest



**Name of farmer: Mr. Rakesh S. S/o Shivamurthappa R.D.**

**Address: Rameshwara, Yaraganalu (Post), Nyamathi (tq), Davanagere (district) Karnataka**

**Age: 35**

**Education: Degree**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Red gram	2	8.04	28280.00	14352.00
Field Crop 2	Bengal gram	2	8.4	29400.00	17640.00
Hort. Crop 1	Field bean	1	15.36	30720.00	13770.00
Hort. Crop 2	Onion (Followed by bengal gram)	2	94.4	141600.00	29334.00
<b>Total</b>		<b>5</b>	<b>126.2</b>	<b>230000.00</b>	<b>75096.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Red gram	2	10.16	51816.00	35616.00	26.36	148.16
Field Crop 2	Bengal Gram	2	9.76	46848.00	26948.00	16.19	52.76
Hort. Crop 1	Field bean	1	27.68	62280.00	39780.00	80.20	188.88
Hort. Crop 2	Onion (Followed by bengal gram)	2	109.6	202760.00	63760.00	16.10	117.35
<b>Total</b>		<b>5</b>	<b>157.2</b>	<b>363704.00</b>	<b>166104.00</b>		<b>121.18</b>

**Brief:** The farmer used to get annual income of Rs. 75096 from red gram, bengal gram, field bean and onion. He faced problems like low yielding varieties, pest and disease etc. With DFI interventions like introduction of new varieties BRG-5 (red gram), JAKI-9218 (bengal gram), HA-3 (field bean) and Bhima super (onion), now he is getting annual income of Rs. 166104.



A view of frontline demonstration on onion (variety Bhima super) plot



Method demonstration of nipping in redgram-CFLD NFSM



**Name of farmer: Vageesh S N**

**Address: Suragondanahalli, Marikunte Po, Jagalur tq, Davanagere Dist  
Karnataka**

**Age: 53**

**Education: PUC**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	10	196	308600.00	138600.00
Hort. Crop 1	Tomato	2	540	165500.00	91650.00
Total			<b>839</b>	<b>474100.00</b>	<b>230250.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	8	186	283600.00	144800.00	-5.10	4.47
Hort. Crop 1	Drumstick	4	265	544430.00	382800.00	>100	>100
Total				<b>828030.00</b>	<b>527600.00</b>		<b>129.1</b>

**Brief:** The farmer used to get annual income of Rs. 230250 from Maize and Vegetables. He faced problems like mono cropping, pest and diseases and low yield. With DFI interventions like introduction of drumstick, Scientific advisories, demonstration of nutrient management, he is now getting annual income of Rs. 527600.



A view of drumstick FLD plot



Farmers along with KVK scientists in drumstick FLD plot



**Name of farmer: Prasanna E B**  
**Address: Navilehal, village, Davanagere tq, Davanagere Dist**  
**Karnataka**  
**Age: 48**  
**Education: BSc**  
**Size of land holding (in acre): 9.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	7	183.75	303187.50	116987.00
Hort. Crop 1	Arecanut	1	7.82	218960.00	153733.00
Hort. Crop 2	Coconut	1.5	9350	74800.00	26600.00
Total				<b>596947.50</b>	<b>297320.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q/No)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Hort. Crop 1	Arecanut	7	10.27	349180.00	291380.00	31.32	89.53
Hort. Crop 2	Coconut	1.5	10800	118800.00	90300.00	15.50	239.47
Hort. Crop 2	Banana	1	11.21	291460.00	212960.00	>100.00	>100.00
Total				<b>759440.00</b>	<b>594640.00</b>		<b>100</b>

**Brief:** The farmer used to get annual income of Rs. 297320 from Paddy, arecanut and coconut. He faced problems like imbalanced nutrient management, pest and disease and low yield. With DFI interventions like introduction of Banana, Nutrient management in arecanut and coconut, Scientific advisories, demonstration of nutrient management, he is now getting annual income of Rs 594640.



Composting of arecanut husk using compost culture



Farmer with KVK scientists



Name of farmer: Eswarappa.C.B

Address: ss/o Basappa.C.S Davangere-577 005

Karnataka

Age: 62

Education: BE (Civil)

Size of land holding (in acre): 3=30

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Number	Production (Q/I per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop-1	Arecanut	3	110	478500.00	291500.00
Hort.crop-2	Coconut	75	3250	19500.00	14500.00
Total				498000.00	306000.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Number	Production (Q/I per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Hort.Crop-1	Arecanut	3	160	960000.00	855000.00	45.45	193.64
Hort.crop-2	Coconut	75	6180	61800.00	46800.00	90.15	222.75
Livestock 1	Indigenous Local Cow Breeding Farm	10 + 2	Milk: 3600 FYM : 240 Pregnant Heifers : 4	144000.00 72000.00 120000.00	15000.00	>100.00	>100.00
Total				1357800.00	916800.00		199.61

**Brief:** The farmer used to get annual Net income of Rs.306000 from areca nut & Coconut crops . He was facing the problem of low yield, disease & pest incidences and high maintenance cost of orchard.So, he decided to practice organic farming by establishing Indigenous local cattle breeding farm. Through DFI interventions like production of Jeevambrutha, Compost, azolla high yielding variety of fodder crops & dry fodder enrichment, the farmer is now getting annual net income of Rs.916800



Indigenous cow unit



Production of Jivambrutha



fodders in Arecanut plot



## Effect of DFI intervention

Name of KVK: Davangere

Name of farmer: Sunil Kumar. A M

Address: s/o Mahindrappa A.B , Obajjihalli Harihara Tq

Age: 48

Education: B.Com

Size of land holding (in acre): 8=00

### 1) Before Intervention

Components	Names	No of Animals/Area	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop-1	Paddy	5.15	Paddy grains : 140 Paddy Straw : 2.5	233800.00 5000.00	238800.00
Total				<b>238800.00</b>	<b>238800.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Component s	Names	Number	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Hort.Crop-1	Guva	250	Fruits : 1	4000.00	2000.00	>100.00	>100.00
Hort Crop-2	Banana	500	Fruit : 20	60000.00	45000.00	>100.00	>100.00
Livestock-1	Crossbred dairy Unit	8	Milk : 10675 FYM : 60	427000.00 150000.00	307500.00	>100.00	>100.00
Livestock-2	Sheep & Goat	30 +2 5 +1	Lambs : 97 Manure ; 6	582000.00 30000.00	292780.00	>100.00	>100.00
Poultry	Swarnadhara birds	700	Eggs : 1000 Meat : 1200 kg	15000.00 216000.00	3960.00	>100.00	>100.00
Total				<b>1484000.00</b>	<b>651240.00</b>	-	<b>172.71</b>

**Brief:** The farmer used to get annual Net income of Rs. 238800 from Paddy Cultivation. He wanted to diversify his farm activities and practice organic farming. He started rearing indigenous breeds of Local cattle, Sheep & Goat under stall feeding method to generate more income and maintain farm fertility. Through DFI interventions like production and use of jeevambrutha, Compost / Vermicompost, high yielding variety of fodder crops, Silage and dry fodder enrichment, the farmer is now getting net income of Rs.651240



Indigenous cow unit



Silage production in Drums



Sheep & Goat unit- Stall Feeding method



## Effect of DFI intervention

Name of KVK: Davangere

Name of farmer: Ravindra B.N

Address: s/o Nandibasappa, Agasankatte Davangere Tq

Age: 56

Education: 7 std

Size of land holding (in acre): 5=20

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ No	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop-1	Maize	5	110	143000.00	83000.00
Hort.Crop-1	Tomato	0.5	60	60000.00	45000.00
Hort.Crop-2	Coconut	20	300	2400.00	1800.00
Hort. Crop-3	Sapota	50	10	10000.00	9500.00
Livestock-1	Dairy Unit- HF x	2	Milk : 4575 FYM: 100	100650.00 20000.00	71850.00
Total				<b>336050.00</b>	<b>211150.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Number	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop-1	Maize	5	135	216000.00	151000.00	22.72	81.93
Field Crop-2 (Rabi Crop)	Finger Millet	2	40	80000.00	65000.00	>100.00	>100.00
Hort.Crop-1	Coconut	20	500	5000.00	4000.00	66.67	122.22
Hort.Crop-2	Sapota	50	16	24000.00	23000.00	60.00	142.10
Livestock-1	Dairy Unit- HF x	5	Milk : 7550 FYM: 250	234000.00 75000.00	209000.00	107.65 275.00	190.88
Total				<b>634000.00</b>	<b>452000.00</b>		<b>114.07</b>

**Brief:** The farmer used to get annual Net income of Rs.211150 from Livestock, Agriculture & Horticulture etc. He faced the problems like low yield in horticultural crops, shortage good quality green & dry fodders, Minerals & Vitamins supplements for feeding their animals. Through DFI interventions like use of organic manures, azolla production, Use of Fodder cutting machine, production of high yielding variety of fodder crops, dry fodder enrichment, the farmer is now getting net income of Rs. 452000.



Multi-cut fodder unit



Fodder Cutting Machine



Feeding enriched dry fodder



## Effect of DFI intervention

Name of KVK: ICAR Taralabalu  
KVKDavangere

Name of farmer: Manjanaik  
Address: s/o Basavaraj Naik,

Village : Nagattikatte Tanda, Harapanahalli Tq

Karnataka

Age: 27

Education: 9<sup>th</sup> Std

Size of land holding (in acre ) : 5.5

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	38	51600.00	6600.00
Field Crop-2	Finger Millet	1.5	5	13500.00	3500.00
Field Crop-3	Jowar	1.0	4.5	7200.00	400.00
<b>Total</b>				<b>72300.00</b>	<b>10500.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop- 1	Maize	5.5	110	159500.00	49000.00	189.47	642.42
Livestock -1	Dairying- Buffalos& HF x cow	2	Milk : 4575 FYM : 200	137250.00 60000.00	101250.00 60000.00	>100.00	>100.00
Livestock-2	Sheep Rearing	5	Sheep :5	65000.00	30000.00	>100.00	>100.00
<b>Total</b>				<b>421750.00</b>	<b>240250.00</b>	-	<b>2188.09</b>

**Brief:** The farmer used to get annual net income of Rs.10500 from field crops. He was facing problem of low yield & income. Through DFI interventions like improved feeding practices in dairy animals by undergoing ASCI Dairy Farmer Training, use of azolla, Silage, different fodder crops (CoFS-31 & stylosanthes) and enriched dry fodder, the lamb & milk production has improved. The farmer is now getting annual net income of Rs.240250.



Dried Maize fodder used for enrichment-animal feeding

Feeding starter diet to lambs

**Effect of DFI intervention**

Name of farmer: Prabhudevaiah.S.M

Address: s/o Shamnur Village, Davangere Tq

Karnataka

Age: 50

Education: B Sc

Size of land holding (in acre ) : 5.25



**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop -1	Young Arecanut	5.25	-	-	(-) 126500.00
Hort,Crop-2	Banana (Yalakki)	2500	162.5	568750.00	297350.00
Livestock 1	Dairying-local cows	2	Milk :610 FYM : 120	24400.00 24000.00	1900.00
<b>Total</b>				<b>568750.00</b>	<b>172750.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	5.25	20	130000.00	63500.00	>100.00	>100.00
Hort.crop-2	Banana ratoon (Yalakki)	2500	122.5	392000.00	245500.00	- 24.61	-17.43
Hort,crop-3	Drumstick	1000	30	60000.00	50000.00	>100.00	>100.00
Livestock 1	Dairying-Local cows	2	Milk :915 FYM : 120	36600.00 36000.00	26100.00	50.00 0.00	1273.68
<b>Total</b>				<b>654600.00</b>	<b>385100.00</b>		<b>123</b>

**Brief:** The farmer used to get annual net income of Rs. 172750 from Banana crop and Livestock farming. He was facing the problems like low milk yield & quality milk among dairy animals. Through DFI interventions like jeevambrutha production, improved feeding practices in dairy animals, use of azolla, Silage, different fodder crops (CoFS-31 & sesbenia spp), enriched dry fodder& regular farm advisories, the milk & horticulture production have improved. The farmer is now getting annual net income of Rs.385100.



Arecanut orchard with Organic Practices-Jeevamrutha



Azolla production for animal feeding



## Effect of DFI intervention

Name of KVK: ICAR Taralabalu  
KVKDavangere

Name of farmer: Hanumanthappa  
Address: s/o , Igur, Village, Davangere Tq  
Karnataka

Age: 38

Education: SSLC

Size of land holding (in acre ) : 12.0

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ Number	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	10	185	249750.00	146090.00
Hort.Crop-1	Areca nut (raw)	2	38	182400.00	159800.00
Livestock 1	Dairying-HF x cows	2	Milk : 3660	76860.00	22110.00
			FYM: 160	32000.00	32000.00
<b>Total</b>				541010.00	360000.00

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	6	138	207000.00	115990.00	-25.40	-20.60
Hort.Crop-1	Areca nut (raw)	2	40	200000.00	165000.00	5.26	3.25
Hort.Crop-2	Banana	2	110	440000.00	309200.00	>100.00	>100.00
Livestock 1	Dairying-HF x cows	2	Milk : 4270	136640.00	81890.00	16.67	140.06
			FYM: 160	48000.00	48000.00	0.00	
<b>Total</b>				<b>1031640.00</b>	<b>720080.00</b>	<b>-</b>	<b>100.02</b>

**Brief:** The farmer used to get annual net income of Rs.360000 from Field & Horticultural crops and dairy farming. He was facing the problems like diseases & Pests in crops, low milk yield & quality and Infertility among dairy animals. Through DFI interventions like improved feeding practices in dairy animals by undergoing ASCI Dairy Farmer Training, use of compounded feeds & minerals-Vitamins supplements, Silage, different fodder crops (CoFS-31 & Lucerne) and enriched dry fodder, the milk production has improved. In addition improved production in banana has increased the income and the farmer is now getting annual net income of Rs.720080.



Grown up banana Plantation



Crossbred Cow –Calf at foot



Areca nut crop under drip irrigation system

**Effect of DFI intervention**Name of KVK: ICAR Taralabalu  
KVKDavangere

Name of farmer: Harsha Kumar

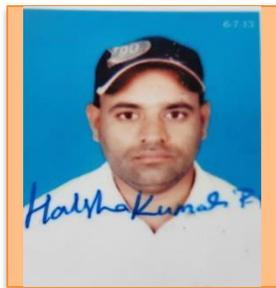
Address: s/o, P.S.Ramachandrappa, Giriavvanahalli, DavangereTq

Mobile Number :

Age: 38

Education: B.Com

Size of land holding (in acre ) : 5.0

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort.Crop-1	Arecanut (raw)+Banana	3 + 1100	135 +80	310500.00 +120000.00	230000.00 4500.00
Hort.Crop-2	Betelvine	1	1944000	519750.00	383750.00
Livestock-1	Sheep Farming- Lambs	10 +1	8	20000.00	8000.00
Livestock -2	Dairying-HF x cows	2	Milk : 2150 FYM: 100	43000.00 20000.00	6500.00 20000.00
<b>Total</b>				<b>1033250.00</b>	<b>652750.00</b>

**2) Status in 2020**

Component Description		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 (raw)	3	190	1140000.00	995000.00	40.74	332.60
Hort.Crop-2	Betel vine	1	1987200	621000.00	451000.00	2.22	17.52
Livestock-1	Sheep Farming	5 + 1	Lamb :5	30000.00	21000.00	-37.5	162.5
Livestock -2	Dairying-HF x cows	2	Milk : 3150 FYM: 140	94500.00 42000.00	19500.00 42000.00	46.51 40.00	200.00 110.00
<b>Total</b>				<b>1927500.00</b>	<b>1528500.00</b>		<b>134.16</b>

**Brief:** The farmer used to get annual net income of Rs.652750 from Horticulture Crops & livestock farming . He was facing the problems like mastitis, low milk & poor quality milk among dairy animals. Disease problems in sheep Through DFI interventions like Adopting Improved feeding practices in livestock rearing by undergoing ASCI Dairy Farmer training, use of azolla, Silage, different fodder crops (CoFS-31 ) and enriched dry fodder the milk production had improved, regular farm advisories on crop management, the farmer is now getting annual net income of Rs.1528500.



Betel vine in arecanut Crop



Banana crop in Arecanut plot



Pregnant Ewes ready for Lambing

## Effect of DFI intervention



**Name of farmer:** Manjunath.B.V  
**Address:** s/o Veedamurthy,  
**Village :** Boragondanahalli, Davangere.Tq  
**Age:** 29  
**Education:** PUC  
**Size of land holding (in acre ) :** 7.5

**Name of KVK:** ICAR Taralabalu  
**KVK**Davangere

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	4	88	114400.00	82400.00
Hort.Crop-1	Tomato	1.5	132	264000.00	219000.00
Hort.Crop-2	Brinjal	1.0	50	50000.00	25000.00
Hort. Crop-3	Cabbage	1.0	195	97500.00	57500.00
Livestock 1	Dairying-HF x cows	3	Milk : 6100 FYM: 160	134200.00 32000.00	61200.00 32000.00
<b>Total</b>				<b>692100.00</b>	<b>477100.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort.Crop-1	Tomato	2.5	264	419760.00	294760.00	100.00	34.59
Hort.Crop-2	Brinjal	2.0	120	156000.00	66000.00	140.00	164.00
Hort. Crop-3	Cabbage	2.0	350	245000.00	165000.00	79.48	186.95
Hort,Crop-4	Cauliflower	1.0	260	234000.00	194000.00	>100.00	>100.00
Livestock 1	Dairying-HF x cows	4	Milk : 9150 FYM: 280	247050.00 84000.00	159450.00 84000.00	50.00 75.00	160 75
				<b>1385810.00</b>	<b>963210.00</b>		<b>101.88</b>

**Brief:** The farmer used to get annual net income of Rs.477100 from vegetables crop production. He was facing the problems like diseases & pests in vegetable crops, low milk yield & and low quality milk among dairy animals. Through DFI interventions like IPM measures, improved feeding practices in dairy animals by undergoing ASCI Dairy Farmer training, use of azolla, Silage, different fodder crops (CoFS-31 & Lucerne) and enriched dry fodder the vegetables & milk production had improved, the farmer is now getting annual net income of Rs.963210



Brinjal crop with improved practice



Azolla production-ASCI Training



Improved cultivation practice in Tomato

## Effect of DFI intervention



**Name of farmer:** Mahindra Kumar  
**Address:** s/o Veerabharappa  
**Village.** Siddanur, Davangere Tq  
**Age:** 54  
**Education:** SSLC  
**Size of land holding (in acre) :** 7.5

**Name of KVK:** ICAR Taralabalu  
**KVK**Davangere

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5.0	100	170000.00	80000.00
Field Crop-2	Red gram	0.5	2	8000.00	4000.00
Hort.Crop-1	Young Arecanut	2	-	(-) 50000.00	(-) 50000.00
Livestock 1	Dairying- Jr x cows	2	Milk : 2440 FYM: 120	53680.00 24000.00	26580.00 24000.00
<b>Total</b>				<b>205680.00</b>	<b>84580.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	5.0	124	198000.00	90000.00	24.00	12.50
Field Crop-2	Red gram	0.5	3	14400.00	10900.00	50.00	172.50
Hort. Crop-1	Arecanut (raw)	2	68.5	411000.00	371000.00	>100	>100
Livestock 1	Dairying- Jr x cows	2	Milk : 3660 FYM: 120	98820.00 36000.00	25820.00 36000.00	50.00 0.00	-2.86
<b>Total</b>				<b>758220.00</b>	<b>533720.00</b>	<b>-</b>	<b>531.02</b>

**Brief:** The farmer used to get annual net income of Rs.84580 from Crop production & dairy animals rearing. He was facing the problems like diseases & Pests in crop production, fodder scarcity, low milk yield & quality among dairy animals. Through DFI interventions like improved feeding practices in dairy animals, adopting climate resilient technologies under NICRA, use of azolla, Silage, different fodder crops (CoFS-31 & Napier x) and enriched dry fodder the milk and Crop production has improved. The farmer is now getting annual net income of Rs.533720.



Maize crop harvested in 2020



Improved animal shed to avoid mosquitoes



Name of farmer: Shivakumar D.

Address : Rameshwara, Yaraganahal (Post) Nyamathi (Tq) Davanagere (Dist)

Age : 30

Education : ITI

Size of land holding (in acre) : 15

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Maize	10	215.0	258000.00	108000.00
Field crop 2	Groundnut	1	15.0	57000.00	47700.00
Hort. crop 1	Tomato	1	86.0	73960.00	47460.00
Hort. crop 2	Onion	1	128.0	128000.00	102700.00
Hort. crop 3	Beetroot	1	132.0	92400.00	71150.00
Hort. crop 4	Chilli	1	72.0	90000.00	60200.00
<b>Total</b>				<b>699360.00</b>	<b>437210.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field crop 1	Maize + Redgram	8	206.4	361200.00	238656.00	-4.0	120.98
Hort. crop 1	Beans	1	52.0	104000.00	51700.00	>100	>100
Hort. crop 2	Tomato	1	115.0	230000.00	177500.00	33.72	274
<b>Hort. crop 3</b>	<b>Onion</b>	<b>1</b>	<b>144.0</b>	<b>244800.00</b>	<b>196400.00</b>	12.5	91.24
Hort. crop 4	Beetroot	1	174.0	174000.00	104650.00	31.81	47.08
Hort. crop 5	Chilli	1	89.0	142400.00	110100.00	23.61	82.89
<b>Total</b>				<b>1256400.00</b>	<b>879006</b>		<b>110.19</b>

**Brief:** The net income of the farmer was **Rs.437210**. The main problems faced by him was pest and diseases incidences in field and horticulture crops. With the DFI interventions like NFSM –CFLD programs, introduction of BRG-5 Redgram as intercrop in Maize, Bhima super HYV in onion, IPDM technologies and use of vegetable special in vegetables, post harvest handling of Tomato, now the farmer is getting net annual income of **Rs 879006**.



Post harvest handling in tomato



Intercropping of redgram in maize



**Name of farmer:** Shivappa E

**Address:** Nittur (post), Harihara (Tq) Davanagere (Dist)

**Karnataka**

**Age:** 55 years

**Education:** Diploma

**Size of land holding (in acre):** 19

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Paddy	11	255	420750.00	206250.00
Hort. crop 1	Arecanut	8	48	1224000.00	920000.00
Total				<b>1644750.00</b>	<b>1126250.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field crop 1	Paddy	11	272	530400.00	282900.00	6.66	37.16
Hort. crop 1	Arecanut	8	64	2464000.00	2100000.00	33.33	128.26
Total				<b>2994400.00</b>	<b>2382900.00</b>		<b>111.57</b>

**Brief:** The farmer used to get annual income of Rs. 1126250 from paddy and arecanut. He faced problems like low yield, improper nutrient management. With DFI interventions like integrated nutrient management in paddy, arecanut and regular scientific advices, now he is getting annual income of Rs. 2382900.



A view of arecanut plantation with newly constructed water storage pond

## Effect of DFI intervention



**Name of farmer: Rajappa.H.B**  
**Address: s/o Basavantappa.H**  
**Village : Shettihalli, Channagiri Tq**  
**Age: 57**  
**Education: PUC**  
**Size of land holding (in acre ) : 3.5**

**Name of KVK: ICAR Taralabalu**  
**KVK, Davangere**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre/No)	Production (q / liter per lactation)	Gross Income (Rs.)	Net Income (Rs.)
Field.Crop-1	Maize	2.0	30	36000.00	17500.00
Hort.Crop-1	Onion	0.5	40	40000.00	23500.00
Hort.Crop-2	Arecanut	1.25	6	180000.00	121000.00
Livestock-1	Dairying- Crossbred Cows	2	Milk : 2880 FYM : 100	63360.00 20000.00	43360.00 20000.00
<b>Total</b>				<b>3393600.00</b>	<b>225360.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (q/Liter)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field.Crop-1	Maize	2.0	50	90000.00	66000.00	66.67	277.14
Hort.Crop-1	Onion	0.5	40	52000.00	32000.00	0.00	36.17
Hort.Crop-2	Arecanut	1.25	9	342000.00	272000.00	50.00	124.73
Livestock-1	Dairying-Crossbred Cows	2	Milk: 3280 FYM : 100	82000.00 30000.00	52000.00 30000.00	13.89 0.00	19.92 50.00
				<b>558000.00</b>	<b>452000.00</b>	<b>-</b>	<b>100.56</b>

**Brief:** The farmer used to get annual net income of Rs.225360 from Maize, Onion, Arecanut & Livestock production. He was facing the problems like diseases & pests in field & Horticulture crops and price fluctuations. Through DFI interventions like IPM measures, regular farm advisories, field visits, and improved marketing approaches the farmer is now getting annual net income of Rs. 452000.00



Maize crop- harvested during 2020



Arecanut orchard under Drip irrigation system





**Name of farmer: Prakash K. S.**

**Address: Kuremaganahalli, Chatnahaali ( post), Harapanahalli (tg),  
Vijayanagara district**

**Karnataka**

**Age: 51**

**Education: PUC**

**Size of land holding (in acre): 28.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre/ No)	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	41	45920.00	31120.00
Hort. Crop 1	Coconut	650	91300	31700.00	646700.00
Hort. Crop 2	Arecanut (Raw)	12	311	1181800.00	1016800.00
Livestock 1	Dairy (1 Jersey + 2 HF)	3	4385	87700.00	72800.00
Other Enterprise	Coconut (Nursery)	1	15000	1050000.00	925000.00
Total				<b>2397120.00</b>	<b>2692420.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (Q/Liter/ No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	2	52	83200.00	66100.00	26.82	112.40
Hort. Crop 1	Coconut	650	98400	1230000.00	1155000.00	07.77	78.56
Hort. Crop 2	Arecanut (Raw)	12	480	2304000.00	2159000.00	54.34	112.33
Livestock 1	Dairy (1 Jersey + 2 HF)	3	6100	152500.00	130400.00	39.11	79.12
Other Enterprise	Coconut (Nursery)	1	20850	2085000.00	1940000.00	30.31	94.97
Total				<b>5854700.00</b>	<b>5450500.00</b>		<b>102.44</b>

**Brief:** The farmer used to get annual income of Rs. 2692420 from coconut, arecanut, dairy and coconut nursery. He faced problems like pest problem, imbalanced nutrition leading to low yield. With DFI interventions like proper nutrient management in coconut and arecanut, balanced feeding in dairy animals, regular farm advisories, he is now getting annual income of Rs. 5450500.



Farmer in his coconut nursery



A view of arecanut plot



A view of dairy animals



**Name of farmer: Mr. Karibasappa M. G**

**Address: Malebennur at Post, Harihara taluk, Davanagere district-577530  
Karnataka**

**Age: 54 years**

**Education: 10<sup>th</sup> Standard**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Arecanut+Coconut	5	-	-	-
Other enterprise	Innovated 'Eco-friendly solar operated insect trap'		50	1,60,000.00	75,000.00
<b>Total</b>			<b>50</b>	<b>1,60,000.00</b>	<b>75,000.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ No	Production (No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut+ Coconut	5	-	-	-	-	-
Other enterprise	Marketing of 'Eco-friendly solar operated insect trap'		3950	1,26,40,000.00	47,40,000.00	7800	6220
<b>Total</b>			<b>3950</b>	<b>1,26,40,000.00</b>	<b>47,40,000.00</b>		<b>6220</b>

**Brief:** The farmer used to get annual income of Rs. 75,000 from Marketing of 'Eco-friendly solar operated insect trap'. He faced problem of proper marketing. With DFI intervention like First exposure in the "State level innovative farmers conference" organized by KVK, given publicity to the farmer innovation through extension activities of KVK and in WhatsApp groups, he is now getting annual income of Rs. 47,40,000.



Eco-friendly solar operated insect trap installed in  
KVK instructional farm



Eco-friendly solar operated insect trap in Pappaya plot

## Effect of DFI intervention

**Name of KVK: ICAR-Taralabalu  
KVK, Davangere**



**Name of farmer: Basavaraj.**  
**R Address: s/o Rudrappa,**  
**Village : Chikkaboodihal, Davangere**  
**Tq**  
**Age: 35**  
**Education: SSLC**  
**Size of land holding (in acre ) : 10.25**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	10.25	307.5	492000.00	259325.00
Livestock 1	Dairying-HF x cows	4	Milk : 2440 FYM : 160	48800.00 32000.00	12300.00 32000.00
Livestock-2	Sheep rearing	12	Sheep : 12	108000.00	24000.00
<b>Total</b>				<b>672800.00</b>	<b>327625.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	10.25	369	793350.00	506350.00	20.00	95.25
Livestock 1	Dairying-HF x cow & Buffalo	2	Milk : 3050 FYM: 160	76250.00 48000.00	47700.00 48000.00	25.00	287.80
Livestock-2	Sheep rearing	18	Sheep : 18	324000.00	45000.00	50.00	25.00
Poultry	Local Poultry Birds	50	Birds : 40	14000.00	14000.00	>100.00	>100.00
<b>Total</b>				<b>1255600.00</b>	<b>661050.00</b>	<b>-</b>	<b>101.77</b>

**Brief:** The farmer used to get annual net income of Rs.327625 from paddy cultivation & livestock farming. He was facing the problems like disease & pest management in rice, low milk yield & low quality milk among dairy animals, foot rot in sheep. Through DFI interventions like Improved feeding practices in dairy animals, Sheep & poultry birds rearing, use of azolla, Silage, different fodder crops (CoFS-31) and enriched dry fodder the milk production had improved and the farmer is now getting annual net income of Rs.661050.



Dept. Officials visit to Paddy fields



Crossbred cow & Buffalo Animal unit



Local poultry birds



Name of farmer: Anoop Singh

Address: s/o Trilok Singh, Doggahalli, Harihara Tq

Age: 31

Education: BE (Computer Science)

Size of land holding (in acre): 8=00

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Number	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)
Hort.Crop-1	Coconut	422	33760	270080.00	158080.00
Hort/ Crop-2	Mango	360	54	135000.00	78000.00
Livestock-1	Crossbred dairy Unit	14	Milk : 18300	402600.00	295185.00
			FYM : 360	72000.00	
Poultry	Giriraja Birds	45	Meat : 1.12	22400.00	21500.00
<b>Total</b>				902080.00	552765.00

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Number	Production (Q/l per lactation/ No)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Hort.Crop-1	Coconut	422	35860	502040.00	387040.00	6.22	144.83
Hort.Crop-2	Mango	360	68	204000.00	133000.00	25.92	70.51
Livestock-1	Crossbred dairy Unit	9	Milk : 25925	699975.00	467325.00	41.66	90.83
			FYM : 320	96000.00	96000.00		
Livestock-2	Sheep-	20	Meat : 4.75	190000.00	60000.00	>100.00	>100.00
	Local		Manure : 40	20000.00	20000.00		
Poultry	Local poultry birds	12	Meat : 0.18	5400.00	3960.00	>100.00	>100.00
<b>Total</b>				<b>1717415.00</b>	<b>1167325.00</b>	<b>-</b>	<b>111.18</b>

**Brief:** The farmer used to get annual Net income of Rs. 552765 from Livestock, Poultry and Horticulture crops earlier. He was facing the problem of low yield, shortage of green fodders, lack of Minerals & Vitamins supplements for feeding their dairy animals. Through DFI interventions like production of high yielding variety of fodder crops & azolla, Production & application of Compost/Vermicompost, adoption of good management practices both in livestock & Crops, dry fodder enrichment, stall feeding of Small Ruminants, the farmer is now getting annual net income of Rs.1167325.



Crossbred dairy Animals



Coconut &amp; Mango Orchard



Stall Feeding in sheep



**Effect of DFI intervention**

**Name of farmer: Siddappa H.S**

**Address : Agasanakatte**

Davanagere taluk -577512

**Age: 36**

**Education: SSLC**

**Size of land holding (in acre): 6 acre**

**Name of KVK: ICAR**

**Taralabalu KVK, Davanagere**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre/No.)	Production (Q./litres)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	6.00	114.0	165300.00	90300.00
Hort.crop1	Tomato (summer)	2.00	300.0	90000.00	25000.00
Livestock 1	Cross bred animals	2	4880.5		
	FYM		120.0	138800.50	68800.00
<b>Total</b>				<b>394100.50</b>	<b>184100.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (Q./litres)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	4.00	84.00	200180.00	85980.00	-	-4.78
	Maize + Redgram	2.00	35.00 06.30				
Field Crop 2	Finger millet (summer)	3.00	62.50	196000.00	118000.00	>100.0	>100.0
Hort.crop1	Tomato (Summer)	1.00	123.8	68090.00	43190.00	-58.73	72.76
Livestock 1	Cross bred animals	4	7320.5	218000.00	133000.00	50.01	20.63
	FYM		280.0				
<b>Total</b>				<b>682270.00</b>	<b>380170.00</b>		<b>106.50</b>

**Brief:** Cultivating maize crop along with dairy farming the farmer was getting a annual net income of **Rs 184100**. The main problems were no intercropping system, fall army worm damage in maize. During summer they used to grow tomato where there was huge market rate fluctuation. With DFI interventions like use of mineral mixtures in dairy animals, fodder enrichment and integrated pest management in maize and use of pulse magic and IPM in red gram and introduction of finger millet (ML-365) in summer, use of Vegetable special in tomato, now the annual net income is **Rs.380170**.



Installation of Pheromone traps for FAW in Maize



Use of Pulse magic in Red gram



Name of farmer: Basavarajaiah S.M.

Address : Siddanuru, Angodu (P) , Davanagere taluk-577556

Age : 47

Education : Diploma (Automobiles) Size of land holding (in acre) : 10.0

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q.)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Maize	2.00	38.50	46200.00	21200.00
Hort. crop 1	Areca nut	4.00	22.00	770000.00	470000.00
<b>Total</b>				<b>816200.00</b>	<b>491200.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No.)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. crop 1	Areca nut	4.00	32.5	1365000.00	965000.00	47.72	160.8
Other Enterprise	Aquaculture	0.18	9.0	90000.00	67000.00	>100.00	>100.00
<b>Total</b>				<b>1455000.00</b>	<b>1032000.00</b>		<b>110.09</b>

**Brief :** The net income of the farmer was **Rs.491200.00**.The main problems faced by him dry spells, no integrated nutrient management in Areca nut. With the DFI interventions like FLD Integrated nutrient management in Areca nut regular scientific farm advisories for areca nut and construction of farm pond for rain water harvesting and water storage under NICRA project demonstration on fish rearing , now the farmer is getting net annual income **of Rs.1032000.00**



FLD- Fish rearing in Farm Pond



Farmer in his Areca nut Garden at NICRA village siddanuru



## Effect of DFI intervention

Name of KVK: ICAR Taralabalu  
KVK, Davanagere

Name of farmer : Rudrappa B.S S/o Siddappa

Address : Bommenehalli, Channagiri taluk-577215

Age : 58

Education : CP Ed

Size of land holding (in acre) : 4.13

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crops	Maize	3.13	75.3	97890.00	48890.00
Hort. Crop 1	Arecanut	1.00	6.0	210000.00	165000.00
<b>Total</b>				<b>307890.00</b>	<b>213890.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crops	Maize+ Redgram	3.13	83.81	146672.00	156530.00	-	220.16
Hort. Crop 1	Arecanut	1.0	7.8	351000.00	330000.00	30.00	100.00
<b>Total</b>				<b>497672.00</b>	<b>486530.00</b>		<b>127.46</b>

**Brief:** The farmer was getting the annual net income of **Rs.213890.00**. The main problems were improper nutrient management and mites problem in arecanut and FAW in Maize. With DFI intervention like regular farm advisories, use of green manure crops and application of micronutrients in Arecanut garden and intercropping of redgram in Maize and FAW management technology now, the annual net income is **Rs.486530.00**.



Maize + Red gram (BRG-5)



Arecanut plot



**Name of farmer: Pradeep D B**  
**Address: Marikunte Village, Jagaluru tq and Davanagere Dist**  
**Karnataka**  
**Age: 28**  
**Education: PUC, ITI**  
**Size of land holding (in acre): 3.5**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.5	44	51480.00	22180.00
Field Crop 2	Field bean	01	15	22500.00	9700.00
Total				<b>73980.00</b>	<b>32200.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/No)	Production (q/No)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	01	17	24650.00	8150.00	-61.36	-63.25
Hort. Crop 1	Rose	01	28	117600.00	30700.00	>100.00	>100.00
Hort. Crop 2	Drumstick	01	23	59800.00	28200.00	>100.00	>100.00
Hort. Crop 3	Marigold	0.5	9.2	34960.00	21460.00	>100.00	>100.00
Total				<b>237010.00</b>	<b>88510.00</b>		<b>174.87</b>

**Brief:** The farmer used to get annual net income of Rs. 32200 from maize and field bean. He faced problem of low income due to low price and mono cropping. With DFI interventions like introduction of drumstick, rose, marigold and regular scientific advisories, he is now getting annual net income of Rs 88510.



Rose plot



KVK Scientists interaction with farmers



**Name of farmer: Vrushabhegowda S N**

**Address: Suragondanahalli, Marikunte Po, Jagalur tq, Davanagere Dist  
Karnataka**

**Age: 47**

**Education: SSLC**

**Size of land holding (in acre): 11**

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	09	176	193600.00	86900.00
Hort. Crop 1	Tomato	02	430	165500.00	109700.00
Total				359100.00	196600.00

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	7	186	283600.00	99050.00	5.68	13.98
Hort. Crop 1	Drumstick	4	273	491400.00	334600.00	>100	>100
Total				<b>775000.00</b>	<b>433650.00</b>	-	<b>120.57</b>

**Brief:** The farmer used to get annual net income of Rs. 196600 from maize and tomato. He faced problem of low income due to low price. With DFI interventions like introduction of drumstick (KDM-1) and regular scientific advisories, he is now getting annual net income of Rs 433650.



A view of drumstick plot



KVK scientists interaction with farmers in FLD plot



**Name of farmer: Basavarajappa M K**  
**Address: Marikunte village, Jagalururu tq and Davanagere Dist.**  
**Age: 60**  
**Education: 8<sup>th</sup>**  
**Size of land holding (in acre): 4**

## 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	4	71.2	74760.00	29160.00
Total				<b>74760.00</b>	<b>29160.00</b>

## 2) Status in 2020

Component Description		Period 2020-21				% increase over base	
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Hort. Crop 1	Drumstick in young cashew nut	4	62 1.5	111600.00 15800.00	55300.00 6200.00	>100.00	>100.00
Total				<b>127400.00</b>	<b>61500.00</b>		<b>110.90</b>

**Brief:** The farmer used to get annual net income of Rs. 29160 from maize. He faced problem of low income due to low price and monocropping. With DFI interventions like introduction of drumstick (KDM-1) and cashew nut (V-4), regular scientific advisories, he is now getting annual net income of Rs 61500.



Cashew plot



KVK scientists interacting with farmer in drumstick plot



**Name of farmer: Basavanagowda M G**

**Address: Marikunte village, Jagalururu tq and Davanagere Dist.**

**Age: 28**

**Education: ITI**

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

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.5	41	47150.00	22550.00
Hort. Crop 1	Chilli	1	84	100800.00	70900.00
<b>Total</b>				<b>147950.00</b>	<b>93450.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q/ litre)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Maize	1.5	32	49600.00	26100.00	-21.95	15.74
Hort. Crop 2	Banana in young arecanut	1.0	35	81600.00	43800.00	>100.00	>100.00
Hort. Crop 2	Tomato in young arecanut	1.0	132	79200.00	33600.00	>100.00	>100.00
Livestock 1	HF x	2	3830	118730.00	89130.00	>100.00	>100.00
<b>Total</b>				<b>329130.00</b>	<b>192630.00</b>		<b>106.13</b>

**Brief:** The farmer used to get annual net income of Rs. 93450 from maize and chilli. He faced problem of low income due to low price. With DFI interventions like introduction of livestock, banana and tomato in young arecanut garden and regular scientific advisories, he is now getting annual net income of Rs 192630.



Demonstration of ICM practices in tomato in farmers' field



Banana + Arecanut

**Effect of DFI intervention**

**Name of farmer: Ashok D M s/o Mahalingappa**  
**Address: Taraganahalli( Post), Honnali Tq, Davanagere -Dist**  
**Karnataka**  
**Age: 40**  
**Education: SSLC**  
**Size of land holding (in acre): 3**

**1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q/Number)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Coconut	1	2450	19600.00	11700.00
Field. Crop 1	Maize	2	54	70200.00	39050.00
<b>Total</b>				<b>89800.00</b>	<b>50750.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (q/Number)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Arecanut	2	10	420000.00	287500.00	>100	>100
Hort. Crop 2	Coconut	1	4350	78500.00	64450.00	77.55	65.04
<b>Total</b>				<b>498500.00</b>	<b>351950.00</b>		<b>593.49</b>

**Brief:** The farmer used to get annual income of Rs. 50750. He faced problems like low income due to price fluctuation in maize, Monocropping and Poor yield in coconut due to imbalanced nutrition. With the DFI interventions like, cultivation of Arecanut as commercial crop, INM in Coconut, now he is able to obtain annual net income of Rs.351950.



**KVK Scientist advising farmer on production technology of Arecanut and Coconut**



## Effect of DFI intervention

Name of farmer: Shankar D B

Address: Kukkvada at and Post, Davanagere –Tq and Dist-577525

Karnataka

Age: 54

Education: PUC

Size of land holding (in acre): 11

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (q/)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Maize	6	126	170100.00	108500.00
Field. Crop 2	Sugarcane	3	1860	446400.00	299400.00
Field. Crop 3	Paddy	2	56	89600.00	44750.00
Total		<b>11</b>	<b>2042.00</b>	<b>706100.00</b>	<b>452650.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre/Number)	Production (q/Number)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field. Crop 1	Sugarcane	7	6160	1540000.00	1106000.00	231.18	269.40
Field. Crop 1	Paddy	2	66	118800.00	57300.00	17.85	28.04
Hort. Crop 1	Oil palm	2	120	193200.00	131100.00	>100	>100
Hort. Crop 2	Coconut	50	3230	58140.00	44190.00	>100	>100
Total				<b>1910140.00</b>	<b>1338590.00</b>		<b>195.72</b>

**Brief:** The farmer used to get annual income of Rs. 452650. He faced problems like low income due to price fluctuation in maize, imbalanced nutrition, pest and disease in Sugarcane and Paddy. With the DFI interventions like, INM, IPDM in Sugarcane and Paddy, growing Oil palm as commercial crop, now he is able to obtain annual net income of Rs.1338590.



KVK Scientist advising farmer about Oilpalm cultivation



Sugarcane with INM Practices

**Effect of DFI intervention****Name of farmer: Umesh B. H****Address: s/o Maheshwarappa, Kshatriya Beedi, Belagutti, Nyamathi tq  
Davanagere -Dist****Karnataka****Age: 52****Education: BA****Size of land holding (in acre): 6****1) Before Intervention**

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	66	89100.00	55250.00
Field Crop 2	Groundnut	2	16	57600.00	28300.00
Hort. Crop 1	Banana	1	660	115800.00	62500.00
<b>Total</b>			<b>742</b>	<b>262500.00</b>	<b>146050.00</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)	Production (Q)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	34	61200.00	32850.00	>100	>100
Hort. Crop 1	Arecanut	3	18	747000.00	437000.00	>100	>100
Hort. Crop 2	Pepper	1	120	384000.00	271000.00	>100	>100
<b>Total</b>		<b>5</b>	<b>172</b>	<b>1192200.0</b>	<b>740850.00</b>		<b>407.25</b>

**Brief:** The farmer used to get annual income of Rs. 146050 from 6 acres of land. He faced problems like Price fluctuation in field crops, Mono cropping, long dry spells. With DFI interventions like planting Arecanut, Black Pepper as intercrop, Jeevamrutha, Farm pond now he is getting annual income of Rs 740850 from the variety of land.



Pepper as intercrop in Arecanut



Arecanut farm in organic way



Farm pond for water storage

## Effect of DFI intervention



Name of farmer: Somashekar N C

Address: Neralagundi, M H Halli Post, Honnali Tq, Davanagere -Dist Karnataka

Age: 56

Education: BE

Size of land holding (in acre): 6

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre/Number)	Production (q/Number)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Maize	3	63	85050.00	53750.00
Hort. Crop 1	Banana	3	207	517500.00	307200.00
Hort. Crop 2	Coconut	45	2925	23400.00	15480.00
Total				<b>625950.00</b>	<b>376430.00</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base	
Components	Names	Area (Acre/Number)	Production (q/Number)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Areca nut	5	30	1245000.00	852000.00	>100	>100
Hort. Crop 2	Coconut	45	3600	50400.00	36600.00	23.07	136.43
Total				<b>1295400.00</b>	<b>888600.00</b>		<b>136.05</b>

**Brief:** The farmer used to get annual income of Rs. 376430. He faced problems like low income due to price fluctuation in maize, Monocropping and Poor yield in coconut due to imbalanced nutrition. With the DFI interventions like, cultivation of Areca nut as commercial crop, Green manuring in Areca nut, INM in Coconut, now he is able to obtain annual net income of Rs.888600.



Green Manuring in Areca nut



KVK Scientist advising farmer on production technology of Areca nut