Effect of DFI intervention **Name of KVK: ICAR-KVK,Hagari, Ballari District**

Name of farmer: Akshaya W/O K.B.Suresh
Address:Srinivas camp,Kurugodu taluk,Ballari Dsitrict
Age: 38 years
Education: 7th standard
Size of land holding (in acre): 2 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1	22	35,200	14,200
Hort. Crop 1	Papaya	0.5	150	1,66,500	1,05,000
Hort. Crop 2	Pomegranate	0.5	20	1,60,000	1,00,000
Livestock 1	Buffaloe	1	1830	91500	85,000
Livestock 2	Cow	1	762	38125	30125
Total				**491325**	**334325**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	25	38000	21500	13.6	51.40
Hort. Crop 1	Papaya	0.5	165	181500	133500	10	27.14
Hort. Crop 2	Pomegranate	0.5	22	176000	116000	10	16
Livestock 1	Buffaloe	1No.	2135	106750	95500	16.6	12.3
Livestock 2	Cow	1No.	915	45750	38500	20.0	27.8
Other enterprise (Specify)	Fig value addition unit	1	54	1620000	8,10,000	>100	>100
Total				**2168000**	**1215000**		**263.41**

Brief: The farm women used to get annual income of Rs. **334325** from Paddy, Papaaya, pomegranate and livestock. She faced problems like post harvest loses. With DFI interventions like value addition etc., she is getting annual income of Rs. **1215000**. In addition, there is cost saving of Rs. 12,000 in papaya as they followed INM practices, Farm gate price for pomegranate also increased during 2020-21 so the income from the pomegranate also increased.

Women involved in grading and sorting of figs for value addition

Farm women showing trays filled with fig pulp ready for drying

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Bankar Ramappa
Address: Kenchatnahalli
Age: 45
Education: 9th standard
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	3.0	18.00	90000	36000
Hort. Crop 1	Tomato	1.0	125.00	87500	47500
Total		**4.00**	**143.00**	**177500**	**83500**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	2.0	14.00	70000	34000	-22.2	-5.56
Hort. Crop 1	Onion	1.0	134.00	187600	142600	>100	>100
Hort. Crop 2	Tomato	1.0	145.00	101500	56500	16.00	18.95
Total		**4.0**	**293.00**	**359100**	**233100**	**105.00**	**179.16**

Brief: The farmer used to get annual income of **Rs.83500** from Ground nut and Tomato etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs. 233100.**

Demonstration of multiple disease resistant hybrid Arka Rakshak

Demonstration of pheromone traps and lures for pinworm management

Effect of DFI intervention **Name of KVK: : ICAR, KVK Ballari**

Name of farmer:Name of farmer: Shivaram S/o Sunkappa
Address: Babbukunta, Rupanagudi Block Ballari Tq and District
Age: 45
Education: High school
Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2017-18)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3.0	67.50	1,21,500	53,500
Field Crop 2	Maize	1.0	32.0	52,800	29,300
Hort. Crop 1	Chilli	1.0	12.5	1,68,750	93,250
Total		5.0		**3,43,050**	**1,76,050**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.00	25.0	43,750	22,750	-63.0	-57.50
Field Crop 2	Maize(Seed production)	2.00	52.0	1,24,800	74,800	62.5	155.3
Hort. Crop 1	Chilli	2.00	29.50	4,27,750	2,67,750	136.0	187.13
Total		5.00		**5,96,300**	**3,65,300**		**107.4**

Brief: The farmer used to get annual income of **Rs. 1,76,050/-** from Paddy, Maize and chilli etc. He faced problems like low yields due to blast and blight disease incidence and Brown plant hopper incidence in paddy further leaf blight disease, army worm incidence in maize etc. With DFI interventions like IPM and ICM in chilli with technology intervention of plant protection measures on high use of bioagents and sticky traps and maize seed production activities with ICM approach involving micronutrient management and use of pheromone traps and timely spray of specific insecticides in maize etc., he is getting annual income of **Rs 3,65,300/-.**

IDM demonstration in chilli

Field visit to chilli plot after DFI intervention

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: A. Ashok
Address: S/o Anand, Belagal cross, Ballari
Age: 32 years
Education: 10th
Size of land holding (in acre): 4 acre (lease)

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Fodder (only SSV)	1	320	64000	52000
Livestock 1	Sheep	35	35	322000	112000
Total				**386000**	**164000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Fodder (Super napier, hedge lucerne, Sesbania)	1	1520	304000	204000	375	292.30
Livestock 1	Sheep	50	50	560000	225000	42.85	100.89
Livestock 2	Buffaloes	01	1000	50000	27000	>100	>100
Total				**914000**	**456000**		**178.05**

Brief: The farmer used to get annual income **Rs. 164000** from **fodder production** and stall fed sh**eep farming.** He faced problems of high wages, more input cost and poor CB ratio. With DFI interventions like training programme on **quality and high yielding fodder crops** for **stall fed sheep and dairy farming** he is getting annual income of **Rs. 456000.**

Stall fed sheep

Weighing of sheep to record growth

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer:Vani pushapa
Address:Srinivas camp,Kurugodu taluk,Ballari
Age: 42 years
Education: PUC
Size of land holding (in acre): 12 Acres

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3	65	1,06,500	51,300
Hort. Crop 1	Fig	3	220	3,52,000	1,72,000
Hort. Crop 2	Papaya	3	885	9,82,000	6,22,000
Hort. Crop 3	Pomegranate	3	120	9,60,000	6,00,000
Livestock 1	Cow	1	1220	61,000	51,000
Total				**2461500**	**1496300**

2) Status in 2020

Component Description		**Period 2020-21**				**% increase over base year**	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3	70	112000	72000	7.69	40.35
Hort. Crop 1	Fig	3	250	550000	3,20,000	13.63	6.04
Hort. Crop 2	Papaya	3	910	1365000	1065000	2.82	71.22
Hort. Crop 3	Pomegranate	3	130	1040000	680000	8.33	13.33
Livestock 1	Cow	1	1250	62500	52500	2.45	2.94
Other enterprise (Specify)	Fig value addition unit	1	70	21,60,000	10,80,000	>100	>100
Total				**5289500**	**3269500**		**118.50**

Brief: The farm women used to get annual income of Rs. **1496300** from Paddy, Papaya, pomegranate and livestock. She faced problems like post harvest losses. With DFI interventions like value addition, Pruning, rust management in figs, Bio agents use in pomegranates, micronutrient management practices in papaya, INM practice etc.,increased the yield and income.

Training the farm women at KVK

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Malleshappa
Address: Kenchatnahalli
Age: 52
Education: 7th standard
Size of land holding (in acre): 5.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	3.0	18.75	93750	35250
Hort. Crop 1	Onion	2.0	230.00	256000	166000
Total		**5.0**		**369750**	**201250**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	2.00	14.50	72500	38500	-22.7	9.22
Hort. Crop 1	Onion	2.00	280.00	420000	324000	21.73	95.18
Hort. Crop 2	Tomato	1.00	136.00	122400	73400	>100	>100
Total		**5.0**		**614900**	**435900**		**116.59**

Brief: The farmer used to get annual income of **Rs. 201250** from ground nut and onion etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and high pest and disease incidence , micronutrient deficiency and weed management in onion etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak and use of vegetable special in tomato, IPDM practices and chemical weed management by application of oxyfluorfen and introduction of high yielding variety Bhima Super in onion crop etc ., he is getting annual income of **Rs 435900.**

Chemical weed management by application of oxyfluorfen in onion

IPDM practices in onion

Effect of DFI intervention **Name of KVK: ICAR, KVK Ballari**

Name of farmer: G. Ravikumar S/o Malleshappa, B
Address: Ibrahimpura, Rupanagudi Block Ballari Tq and District
Age: 39
Education: B.A Degree
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	2.0	66.0	105600	56600
Field Crop 2	Paddy	3.0	63.0	110250	46650
Total		5.0		**215850**	**103,250**

2) Status in 2020

Component Description		Period 2020-21				% 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 (DSR)	2.00	49.0	83300	46300	-22.2	-0.8
Field Crop 2	Papaya	1.0	345.0	276000	191000	>100	>100
Hort. Crop 1	Chilli	2.0	28.50	384750	131200	>100	>100
Total		5.0		**744050**	**368500**		**256.90**

Brief: The farmer used to get annual income of **Rs 1,03, 250/-** from Paddy and maize etc. He faced problems like sheath blight and balst disease incidence and Brown plant hopper in paddy further leaf blight disease and army worm incidence in maize lead to low yields etc. With DFI interventions like IPM in chilli included the soil application of *Trichoderma*, installation of sticky traps and timely spray of specific insecticieds in chilli, further IPM and micronutrient management in papaya, following direct seeded rice system with timely spray of specific biofungicides and insecticides in paddyetc., he is getting annual income of **Rs 368500.**

Recording DFI data at farmers field

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Basavaraj
Address: Vadatti
Age: 44
Education: 10th
Size of land holding (in acre): 3 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chilli	2	40	420000	220000
Field Crop 2	Paddy	1	24.5	31850	6850
Total				**454850**	**226850**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Chilli	2	30	571500	321500	-25.00	46.14
Field Crop 2	Fodder crop	1	540	108000	78000	>100	>100
Livestock 1	Sheep	30	30	367500	171000	>100	>100
Total				**1047000**	**570500**		**151.48**

Brief: The farmer used to get annual income of **Rs. 226850/-** from **Chilli** and **Paddy**. He faced problems like high input cost, pest and disease incidence etc. With DFI interventions like capacity development programme on sheep rearing and subsequent earmarking of one acre land for **fodder production** and practicing of **stall fed sheep rearing** he is getting annual income of **Rs. 570500/-**

Farmer among trainees for CBP on stall fed sheep rearing

Farmer with shed and his stall fed sheep

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer:Pooja W/o Ramakrishna
Address:Shrinivas camp,Kurugodu
Age: 27 years
Education: II PUC
Size of land holding (in acre): 20 Acres

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	10	220	353000	162500
Hort. Crop 1	Pomegranate	5	200	1600000	1000000
Hort. Crop 2	Fig	5	300	660000	410000
Livestock 1	Buffaloe	2	1830	91500	82000
Total				**2704500**	**1654500**

2) Status in 2020

Component Description		**Period 2020-21**				**% 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	230	368000	202500	4.5	24.61
Hort. Crop 1	Pomegranate	5	220	1760000	1160000	10	16
Hort. Crop 2	Fig	5	320	704000	454000	6.6	10.73
Livestock 1	Buffaloe	2	1900	95000	89000	8.3	8.5
Other enterprise (Specify)	Fig value addition unit	1	105	3150,000	1575000	>100	>100
Total				**6077000**	**3480500**		**110.36**

Brief: The farm women used to get annual income of Rs. **1654500** from Paddy, fig, pomegranate and livestock. She faced problems like post harvest losses. With interventions like fig value addition, IDM practices in paddy, use of bio agents in pomegranate, Pruning and rust management practices in fig, INM practices etc., she is getting annual income of Rs. **3480500**.

Pooja selling fig value added products at Exhibition

Scientists visit to Pooja's Value addition unit

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Basavraj
Address: Kenchatnahalli
Age: 35
Education: 10th standard
Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	6.50	32500	14500
Hort. Crop 1	Tomato	1.0	121.00	102850	57850
Total		**2.0**		**135350**	**72350**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Onion	1.0	132.00	184800	128800	>100	>100
Hort. Crop 1	Tomato	1.0	143.00	128700	76700	18.18	32.58
Total		**2.0**		**313500**	**205500**		**184.00**

Brief: The farmer used to get annual income of **Rs. 72350** from ground nut and tomato, etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs 205500**

Vegetable special to overcome micronutrient deficiency in tomato

Stalking to enhance high yield and good quality fruits in tomato

Effect of DFI intervention Name of KVKKVK: ICAR, KVK Ballari

Name of farmer: Name of farmer: G. Hanumatha Gouda S/o Mallanagouda
Address: Ibrahimpura, Rupanagudi Block Ballari Tq and District
Age: 37
Education: B.A Degree
Size of land holding (in acre): 6.0

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	Cotton	5.0	45.0	2,81,250	1,73,750
Field Crop 2	Paddy	1.0	24.5	44,100	20,600
Total		**6.0**		**3,25,350**	**194350**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	5.00	62.5	6,56,250	4,74,100	>100	>100
Hort. Crop 2	Chrysanthemum	1.00	20	3,00,000	1,75,000	>100	>100
Total		**6.0**		**9,56,250**	**6,49,100**		**233.98**

Brief: The farmer used to get annual income of Rs. **194350/-** from Cotton and paddy etc. He faced problems like Pink boll worm incidence, reddening and boll rot in cotton. While in paddy serious incidences of blast and bacterial bight and BPH incidence resulted poor yields etc. With DFI interventions like ICM and IPM in Chilli with use of Trichoderma enriched FYM , sticky traps and timely spray of insecticdes, further the introduction of flower crop Chrysanthemum etc., he is getting annual income of Rs **6,49,100/-**

Farmer intervention on flowering crops in DFI village

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: K. Chandranna
Address: S/o K. Dodda vasirappa
Teggina Budihal
Age: 42 years
Education: 12th
Size of land holding (in acre): 2.5 acre

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chilli	2.5	32.50	325000	125000
Total				**325000**	**125000**

2) Status in 2020

Component Description		**Period 2020-21**				**% increase over base year**	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	2.0	64	134400	109400	>100	>100
Field Crop 2	CoFS 31	0.5	135	40500	30500	>100	>100
Livestock 1	Sheep	25	25	280000	112500	>100	>100
Total				**454900**	**252400**		**101.92**

Brief: The farmer used to get annual income **Rs. 125000** from **chilli.** He faced problems **like high input cost, pest and disease incidence** and low returns etc. With DFI interventions like training on stall fed sheep rearing and cultivation of Maize and fodder crop to complement stall feeding of sheep he is getting annual income of **Rs. 252400.**

Stall –fed sheep

Maize crop grown by farmer inspected for FAW incidence

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Anjanappa
Address: Kenchatnahalli
Age: 46
Education: 10th standard
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	12.50	62500	27500
Hort. Crop 1	Tomato	1.0	118.00	94400	51400
Total		**3.0**		**156900**	**78900**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	1.00	7.5	37500	18500	-40.0	-32.73
Hort. Crop 1	Tomato	1.0	139.00	125100	74100	17.79	44.16
Hort. Crop 2	Onion	1.0	110.00	165000	113000	>100	>100
Total		**3.0**		**327600**	**205600**		**160.58**

Brief: The farmer used to get annual income of **Rs. 78900** from Ground nut and Tomato etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management, stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs 205600**

Paired row system of planting in tomato

Stalking to enhance high yield and good quality fruits in tomato

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Name of farmer:
Doddabasavanagouda S/o Erreppagouda
Address: Chellukurki, Rupanagudi Block Ballari Tq and District
Age: 53
Education: PUC
Size of land holding (in acre): 4 .00

1) 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	Bengalgram	3.0	15.6	70,200	35,800
Field Crop 2	Sorghum	2.0	11.0	45,600	23,400
Total		**5.0**		**115800**	**59600**

2) Status in 2020

Component Description		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	Drumstick	3	12 ton	3,00,000	1,25,000	>100	>100
Hort. Crop 2	Chrysanthemum	1	10.0	1,25,000	85,600	>100	>100
Total		**5**		**4,25,000**	**2,10,600**		**253.35**

Brief: The farmer used to get annual income of **Rs. 59,600/-** from dry land crops Chickpea and Sorghum, etc. He faced problems root wilt complex and pod borer in chickpea and shoot fly incidence in sorghum resulted like low yields and returns also etc. With DFI interventions like introduction of arid horticulture cropping system like drumstick and chrysanthemum with timely intervention of crop protection measures etc., he is getting annual income of **Rs 2,10,600**

Farmer cultivating dry land Horticulture crops

Observing the farmers feedback on IFS farming for DFI

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Shivakumar gowda
Address: Muddatanur
Age: 48 years
Education: BA
Size of land holding (in acre): 6 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chilli	3.0	45	495000	255000
Field Crop 2	Maize	3.0	66	118800	80800
Total				**613800**	**335800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Chilli	5	90	1080000	580000	100	127.45
Field Crop 2	Fodder crops CoFS 29 and Hedge lucerne	1	540	108000	78000	>100	>100
Livestock 1	Sheep	30	30	270000	112500	>100	>100
Total				**1458000**	**770500**		**129.45**

Brief: The farmer used to get annual income Rs.**335800** from **chilli** and **maize.** He faced problems like pest and disease incidence, high input cost and low returns. With DFI interventions like **IPM practices in chilli, quality fodder production and stall fed sheep rearing** he is getting annual income of **Rs. 770500.**

Installing housefly traps in sheep shed

Fodder crop in farmer field

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Sudha W/o Manjunath K
Address:Shrinivas camp,Kurugodu Taluk Ballari
Age: 25 years
Education: 10th
Size of land holding (in acre): 12 acres

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2	45	70600	34400
Hort. Crop 1	Pomegranate	8	320	2560000	1600000
Hort. Crop 2	Fig	2	141	308000	168000
Total				**2938600**	**1802400**

2) Status in 2020

Component Description		**Period 2020-21**				**% increase over base year**	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2	50	80000	38980	11.11	13.31
Hort. Crop 1	Pomegranate	8	345	2760000	1800000	7.81	12.5
Hort. Crop 2	Fig	2	150	375000	272000	6.3	61.9
Livestock 1	Sheep	4		36000	24800	>100	>100
Other enterprise (Specify)	Fig value addition unit	1	70	2800000	1600000	>100	>100
Total				**6051000**	**3735780**		**107.27**

Brief: The farm women used to get annual income of Rs. **1802400** from Paddy, fig, pomegranate and livestock. She faced problems like post harvest loses. With DFI interventions like value addition, pruning methods, rust management, IDM practices in fig cost of cultivation reduced and income increased. She is getting annual income of Rs. **3735780.**

Sudha at fig value addition unit pouring the fig pulp on trays for drying

Cutting and packing of fig rolls

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Shivappa
Address: Kenchatnahalli
Age: 38
Education: 7th standard
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3.0	96.00	153600	71600
Hort. Crop 1	Tomato	1.0	110.00	99000	54000
Total		**4.0**	**206.00**	**252600**	**125600**

2) Status in 2020

Component Description		Period 2020-21				% 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	2.00	70.00	112000	61000	-27.1	-14.80
Hort. Crop 1	Tomato	1.0	128.00	128000	77000	16.4	42.59
Hort. Crop 2	Onion	1.0	115.00	161000	115000	>100	>100
Total		**4.0**		**401000**	**253000**		**101.43**

Brief: The farmer used to get annual income of **Rs. 125600** from Maize and Tomato etc. He faced problems like fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs 253000**

Chemical weed management by application of oxyfluorfen in onion

IPDM practices in onion

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Name of farmer: Ramdas S/o Late Honnappa
Address: Babbukunta, Rupanagudi Block Ballari Tq and District
Age: 48
Education: High school
Size of land holding (in acre): 6

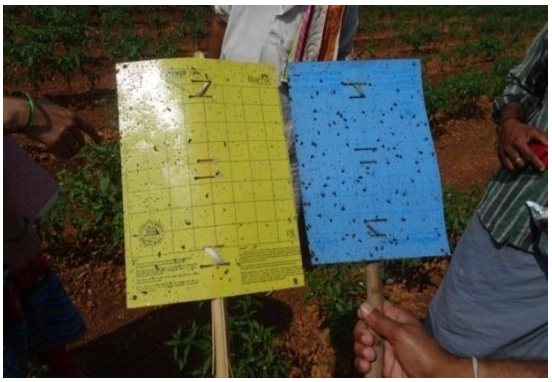
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Bengalgram	4.0	15.6	93,300	49,300
Field Crop 2	Paddy	2.0	46.0	96,600	49,600
Total		6.0		**1,89,900**	**98,900**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	2.0	49.0	1,02,900	60,900	6.52	22.78
Hort. Crop 1	Chilli	4.0	60.0	6,36,000	3,76,000	>100	>100
Total		6.0		**738900**	**4,36,900**		**341.76**

Brief: The farmer used to get annual income of **Rs. 98,900/-** from transplanted Paddy and chickpea crop etc. He faced problems of severe incidence of Blast and sheath blight disease , addition to this brown plant hopper incidence more in transplanted paddy crop and felt too much expenses in transplanted paddy system, further root wilt complex and pod borer in chickpea. etc. With DFI interventions like Introduction of direct seeded rice, extensive use of Bioagent *Pseudomonas, Metarahizium, Beauvaria and Verticillium* for pest and disease management with low pesticides usage in paddy cultivation. Instead of chickpea, chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 4,36,900/-**



Use of sticky traps in IDM chilli

Scientist visit to IDM adopted field

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Laxmana
Address: Konchigeri
Age: 39
Education: PU
Size of land holding (in acre): 3 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Redgram	3	24	144000/-	97500/-
Total				**144000/-**	**97500/-**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Chilli	2.0	24	288000/-	128000	>100	>100
Field Crop 2	Fodder	0.5	200	40000	32000	>100	>100
Livestock 1	Sheep	50	50	375000	125000	>100	>100
Livestock 2	Poultry (broiler)	10000	10000	1170000	216000	>100	>100
Total				**1873000**	**501000/-**		**413.85**

Brief: The farmer used to get annual income of **Rs. 97500/-** from **Redgram**. He faced problems like poor income for sustainable living. With DFI interventions like growing cash crop **chilli** with IPDM practices and **fodder production** and **stall fed sheep rearing and broiler poultry** he is getting annual income of **Rs. 501000/-**

Poultry production by farmer as subsidiary occupation

Farmer with his stall fed sheep

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer:Subhashini W/O Ramesh babu
Address:Vasavi farms,Shrinivas camp,Kurugodu
Age: 35 years
Education: 5th standard
Size of land holding (in acre): 7 acres

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Pomegranate	6	240	1920000	1200000
Hort. Crop 2	Fig	1	76	153000	93000
Livestock 1	Buffalo	1	1520	76000	69000
Total				**2149000**	**1362000**

2) Status in 2020

Component Description		**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	Pomegranate	6	255	2040000	1320000	6.25	10
Hort. Crop 2	Fig	1	80	200000	152000	5.2	63.44
Livestock 1	Buffalo	1	1600	80000	70000	5.2	1.4
Other enterprise (Specify)	Value addition to fig	1	95	2850000	1425000	>100	>100
Total				**5170000**	**2967000**		**117.84**

Brief: The farm women used to get annual income of Rs. **1362000** from pomegranate, fig, buffaloe. She faced problems like low yield,post harvest losses etc. With DFI interventions like value addition to figs,blight management in pomegranate with bioagents, pruning techniques in fig,micronutrient management in fig, Scientific management of dairy animal etc., she is getting annual income of Rs. **2967000**.

NABARD officer's visit to Subhashini's fig value addition unit

Women involved in value addition to fig

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Rajshekar swamy S/o Palaiah swamy
Address: Yarrangali I, Block Ballari Tq and District
Age: 54
Education: High school
Size of land holding (in acre):4

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	70.0	1,26,000	89,000
Field Crop 2	Paddy	2.0	47.0	84,600	37,600
Total		4.0		**2,10,600**	**1,26,600**

2) Status in 2020

Component Description		**Period 2020-21**				**% increase over base year**	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	2.0	51.0	1,07, 100	65,100	8.50	73.14
Hort. Crop 1	Chilli	2.0	34	3,57,000	2,17,000	>100	>100
Total		4.0		**4,64,100**	**282100**		**122.83**

Brief: The farmer used to get annual income of **Rs. 1,26,600/-** from transplanted paddy and Maize crop He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much requirement of water in transplanted paddy system, further in maize, fall army worm incidence and leaf blight incidence reduced the yield levels. With DFI interventions like Introduction of direct seeded rice, use of Bioagent *Pseudomonas, Metarahizium, Beauvaria and Verticillium* for pest and disease management with limited use of water usage in paddy cultivation. While in other side growing chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 2,82,100/-**

Chilli seedlings production in nylon netted

Field observation on yield parameter

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Thipanna S/o Hanumanthapa
Address: S. Basapura, Sandur (Tq)
Age: 62
Education: illeterate
Size of land holding (in acre): 1 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	1.0	20	30000	22000
Total				**30000**	**22000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	0.75	15	25500	15500	-25	-29.55
Field Crop 2	Fodder (CoFS 29)	0.25	60	18000	11000	>100	>100
Livestock 1	Sheep	10	10	100000	35000	>100	.>100
Total				**143500**	**61500**		**179.54**

Brief: The farmer used to get annual income of **Rs. 22000/-** from maize. He faced problems like high input cost and low returns etc. With DFI interventions like **sheep** rearing and sale of fattened male lambs he is getting annual income of **Rs. 61500/-**

Thippanna with his Kenguri sheep flock

Farmer Thippanna with his Kenguri sheep flock

Effect of DFI intervention **Name of KVK: KVK,Hagari, Ballari**

Name of farmer:Gayatri W/o Raghavendra Rao
Address:Shrinivas camp,Kurugodu,Ballari District
Age: 26years
Education: 1ST years PUC
Size of land holding (in acre): 2 Acres

1) Before Intervention

Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1	23	35,500	14,400
Hort. Crop 1	Papaya	0.5	148	1,60,500	1,03,000
Hort. Crop 2	Pomegranate	0.5	20	1,60,000	1,00,000
Livestock 1	Buffaloe	1	1835	91600	85,000
Total				**447600**	**302400**

2) Status in 2020

Component Description		**Period 2020-21**				**% increase over base year**	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	25	40000	22000	8.7	52.7
Hort. Crop 1	Papaya	0.5	152	228000	172000	2.7	66.99
Hort. Crop 2	Pomegranate	0.5	22	176000	116000	10	16
Livestock 1	Buffaloe	1	1850	92500	80000	0.8	-5.88
Other enterprise (Specify)	Fig value addition	1	54	1620000	8,10,000	>100	>100
Total				2156500	**1200000**	122.2	**296.82**

Brief: The farmer used to get annual income of Rs. **302400** from paddy,papaya,pomegranate,buffelaoe etc. He faced problems like post harvest losses in figs, rust problem in figs,blight in pomegranate etc. With DFI interventions like value addition to figs, rust management in fig, pruning in figetc., blight management in pomegranate She is getting annual income of Rs **1200000**.

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Shahabad basha
Address: Kenchatnahalli

Age: 38
Education: 7th standard
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.00	13.00	60450	24450
Field Crop 2	Maize	1.00	30.00	48000	27000
Hort. Crop 1	Onion	1.00	105	152500	96500
Total		**4.00**		**265950**	**147950**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	1.00	14.00	66500	27500	7.7	12.47
Field Crop 2	Maize	1.00	36.00	59400	32900	20.0	21.85
Hort. Crop 1	Onion	1.00	124.00	186000	143000	18.48	48.19
Hort. Crop 2	Tomato	1.00	116.00	139200	93200	>100	>100
Total		**4.0**		**451100**	**296600**		**100.47**

Brief: The farmer used to get annual income of **Rs. 147950** from Maize , Ground nut and Onion etc. He faced problems like fall army worm ,leaf blight in maize and cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs 296600**

Demonstration of multiple disease resistant hybrid Arka Rakshak

Stalking to enhance high yield and good quality fruits in tomato

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Shekaragoud S/o Shanmukappa
Address: Y. Kaggal
Age: 57
Education: 3rd Std
Size of land holding (in acre): 1.25 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Jowar	1.25	22.5	40500	32500
Total				**40500**	**32500**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Jowar (Seed production)	1.0	12	41400	26400	-46.66	-18.77
Field Crop 2	Fodder (CoFS 31)	0.25	60	18000	11000	>100	>100
Livestock 1	Sheep	15	15	137000	47500	>100	>100
Total				**196400**	**84900**		**161.23**

Brief: The farmer used to get annual income of **Rs. 32500/-** from **jower** He faced problems like high input cost and low returns etc. With DFI interventions like **jowar seed production that fetched him high price for his produce** and **rearing of stall fed sheep** he is getting annual income of **Rs. 84900/-**

KVK Scientists visit sheep rearing unit

Farmer with his stall fed sheep

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Kotresh G.
Address: Kenchatnahalli
Age: 46
Education: 9th standard
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	68.00	108800	56800
Hort. Crop 1	Cauliflower	1.0	81.00	135800	73800
Total		**3.0**		**254600**	**130600**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.00	35.00	56000	30000	48.5	-47.18
Hort. Crop 1	Cauliflower	1.00	98.00	186200	121200	21.0	64.23
Hort. Crop 2	Ridge gourd	1.00	110	165000	120000	>100	>100
Total		**3.0**		**407200**	**271200**		**107.66**

Brief: The farmer used to get annual income of **Rs. 130600** from Maize and Cauliflower etc. He faced problems like fall army worm ,leaf blight in maize and DBM and sucking pests in Cauliflower etc. With DFI interventions like introduction of neem pellets, bioagents, use of vegetable special , yellow sticky traps in cauliflower and introduction of high yielding variety Arka Prasanna in ridge gourd etc., he is getting annual income of **Rs 271200**

Briefing the importance of sex expression in ridge gourd

Demonstration of training system in ridge gourd

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Mariswamy
Address: Yerangali
Age: 40
Education: 10th
Size of land holding (in acre): 7 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chilli	7.0	112	1120000	560000
Total				**1120000**	**560000**

2) Status in 2020

Component Description		Period 2019-20				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Chilli	6	114	1482000	822000	1.80	46.78
Field Crop 2	Fodder crop	1	54	108000	78000	>100	>100
Livestock 1	Sheep	40	40	480000	260000	>100	>100
Livestock 2	Poultry (Aseel)	100	100	50000	35000	>100	>100
Total				**2120000**	**1195000**		**113.39**

Brief: The farmer used to get annual income of **Rs. 560000/-** from **Chilli**. He faced problems like high input cost and pest and disease incidence etc. With DFI interventions **IPDM practices in chilli**, **fodder production to support stall fed sheep rearing and backyard poultry (Aseel)** he is getting annual income of **Rs. 1195000/-**

Stall fed sheep

CoFS 29 fodder crop

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Nagaraja Gouda S/o Doddasiddanagouda
Address:Bairapura village Siruguppa Taluk Ballari district.
Age: 47 years
Education: 10th standard
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/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	10	220	352000	122600
Total		**10**			**122600**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	6	150	240000	102000	-31.8	-16.8
Hort. Crop 2	Chilli	4	60	720000	400000	>100	>100
Total		**10**			**502000**		**309.46**

Brief: The farmer used to get annual income of **Rs.122600** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.502000.**

Pseudomonas bio intensification for Sheath blight management in paddy

Scientist's visit to farmer's field

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Ramulappa
Address: Kenchatnahalli Age: 52
Education: 5th
Size of land holding (in acre): 4.00

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	56.00	95200	49200
Field Crop 2	Ground Nut	2.0	11.00	52000	20000
Total		**4.0**	**67.00**	**147200**	**69200**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	34.00	61200	37200	-39.3	-24.4
Field Crop 2	Ground Nut	1.0	6.00	30000	12000	-45.5	40.00
Hort. Crop 1	Chilli	1.0	18.00	216000	121000	>100	>100
Hort. Crop 2	Tomato	1.0	135.00	121500	65500	>100	>100
Total		**4.0**	**193.00**	**428700**	**235700**	**180.00**	**240.61**

Brief: The farmer used to get annual income of **Rs.69200** from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like diversification in crops like chilli and introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and he is getting annual income of **Rs. 235700**

Demonstration of high yielding hybrid UASRCH42 in chilli

Demonstration of multiple disease resistant hybrid Arka Rakshak in tomato

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Adivappa S/o Venkatesh
Address: Babbukunta Ballari Tq and District
Age 43 Education: High school
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	2.0	64	1,15,200	82,600
Field Crop 2	Paddy	3.0	66	1,12.200	46,200
Total		**5.0**		**2,27,400**	**1,28,800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	2.0	46.0	78,200	45,200	30.3	-2.64
Hort. Crop 1	Chilli	3.0	45.0	4,50,000	2,55,000	>100	>100
Total		**5.0**		**5,28,200**	**3,00,200**		**133.07**

Brief: The farmer used to get annual income of **Rs. 1,28,800**/- from transplanted paddy and Maize cultivation He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, fall army worm incidence and leaf blight incidence reduced the yield levels. With DFI interventions like Introduction of direct seeded rice, use of Bioagents *Pseudomonas,* and specific intervention of critical pesticides for pest and disease management with limited use of water usage in paddy cultivation. While in other side growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 3,00,200**/-

Scientist and farmer interaction on use of ICM technolgy in chilli for pest management

Farmer with CIM adopted chilli field crop

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Laxmikantha Reddy S/o Sanjeev Reddy
Address: Talur, Siruguppa (Tq)
Age: 41
Education: 10th Std
Size of land holding (in acre): 8.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	5	122.5	196000	96000
Field Crop 2	Cotton	3	24	120000	45000
Total				**316000**	**141000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Hybrid Jowar	6	147	385140	235140	>100	>100
Hort crop 1	Paddy	2	50	95000	45000	-59.18	-53.125
Livestock 1	Sheep	20	20	260000	130000	>100	>100
Total				**740140**	**406140**		**188.04**

Brief: The farmer used to get annual income of **Rs.141000/-** from **paddy and cotton.** He faced problems like high input cost, PBW in cotton, shortage of water and low returns etc. With DFI interventions like **switching over to jowar a**nd **stall fed sheep rearing** he is getting annual income of **Rs. 406140/-**

Sesbania and hedge lucerne

Stall fed sheep

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Prabhakar Gouda S/o Doddasiddanagouda
Address:Bairapura village Siruguppa Taluk Ballari district.
Age: 39 years
Education: 6th standard
Size of land holding (in acre): 12 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	12	260	422400	146400
Total		**12**		**422400**	**146400**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	6	148	236800	98800	-43.1	-32.5
Hort. Crop 2	Chilli	6	90	1080000	600000	>100	>100
Total		**12**		**1316800**	**698800**		**377.32**

Brief: The farmer used to get annual income of **Rs. 146400** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.698800.**

Bio-agent utilization for major diseases in paddy

IDM approaches in chilli

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Harish
Address: Kenchatnahalli
Age: 34
Education: 9th
Size of land holding (in acre): 2.00

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	1.0	26.00	46800	22800
Hort. Crop 1	Tomato	1.0	117.00	105300	55000
Total		**2.0**		**152100**	**77800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Maize	1.0	33.00	59400	33400	26.92	46.49
Hort. Crop 1	Chilli	1.0	19.00	209000	123000	>100	>100
Total		**2.0**		**268400**	**156400**		**101.03**

Brief: The farmer used to get annual income of **Rs.77800** from tomato and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and pin worm incidence, and low yield in tomato and lack of knowledge on use of bio agents in pest and disease management. With DFI interventions like diversification in crops like chilli and INM and use of vegetable special , yellow sticky traps and pheromone traps and lures for sucking pest management ,bio agents for soil borne pathogens etc he is getting annual income of **Rs. 156400**

Demonstration of high yielding hybrid UASRCH42 in chilli

UASRCH42 chilli hybrid during fruiting stage

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Srinivasa S/o Venkatesh
Address: Andralu Block Ballari Tq and District
Age: 33 Education: High school
Size of land holding (in acre): 5.0

1) Before Intervention

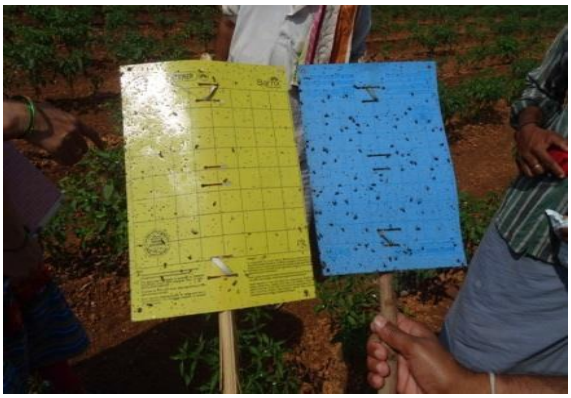
Component Description		**Benchmark (Baseline period 2016-17)**			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	64	1,15,200	82,600
Field Crop 2	Paddy	3.0	66	1,12.200	46,200
Total				**2,27,400**	**1,28,800**

2) Status in 2020

Component Description		**Period 2020-21**				**% increase over base year**	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	2.0	46.0	78,200	45,200	-30.3	-2.2
Hort. Crop 1	Chilli	3.0	45.0	4,50,000	2,55,000	>100	>100
Total				**5,28,200**	**3,00,200**		**133.07**

Brief: The farmer used to get annual income of **Rs. 1,28,800/-** from transplanted paddy and Maize cultivation He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, fall army worm incidence and leaf blight incidence reduced the yield levels. With DFI interventions like Introduction of direct seeded rice, use of Bioagents *Pseudomonas,* and specific intervention of critical pesticides for pest and disease management with limited use of water usage in paddy cultivation. While in other side growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 3,00,200/-**

Farmer on IDM adopted chilli field



Sticky traps for effective pest management

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Erappayya
Address:Bairapura village Siruguppa Taluk Ballari district.
Age: 42 years
Education: High school
Size of land holding (in acre): 3.5 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	3.5	77	123200	42700
Total		**3.5**		**123200**	**42700**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2	46	73600	27600	-40.3	-35.4
Hort. Crop 2	Chilli	1.5	22.5	270000	150000	>100	>100
Total		**3.5**		**343600**	**177600**		**315.92**

Brief: The farmer used to get annual income of **Rs.42700** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.177600.**

IDM technology demonstration in chilli

Use of bio agents in paddy

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Anjanappa
Address:Kenchatnahalli
Age: 42
Education: 6th
Size of land holding (in acre): 3.00

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	61.0	100650	52650
Field Crop 2	Ground nut	1.0	6.0	30000	14000
Total		**3.0**	**67.0**	**130650**	**66650**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	34.0	57800	31800	-44.3	-39.6
Hort. Crop 1	Chilli	1.0	16.0	208000	126000	>100	>100
Hort. Crop 2	Cabbage	1.0	180.0	144000	79000	>100	>100
Total		**3.0**	**230.0**	**409800**	**236800**	**243.28**	**255.29**

Brief: The farmer used to get annual income of **Rs. 66650** from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management. With DFI interventions like diversification in crops like chilli and cabbage, INM and use of vegetable special, yellow sticky traps and pheromone traps and lures for sucking pest management, bio agents for soil borne pathogens in chilli and use of neem pellets and neem cake for DBM management etc he is getting annual income of **Rs. 236800**

Demonstration of high yielding hybrid UASRCH42 in chilli during harvesting stage

Use of neem pellets and neem cake for DBM management in cauliflower

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: B. Nagaraja S/o S. Veerabhadrappa
Address: Kammerchedu Rupanagudi Block Ballari Tq and District
Age: 35
Education: High school
Size of land holding (in acre): 8.0

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	Bengalgram	4.0	22.50	85,500	29,500
Field Crop 2	Paddy	4.0	88.50	1,50,450	60,150
Total		**8.0**		**2,35,950**	**89,650**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	5.0	122.50	1,96,000	1,13,500	38.4	88.69
Hort. Crop 1	Chilli	3.0	36.0	3,42,000	1,17,000	>100	>100
Total		**8.0**		**5,38,000**	**2,30,500**		**157.11**

Brief: The farmer used to get annual income of **Rs. 89,650** from transplanted paddy and Bengalgram cultivation He faced problems of severe incidence of bacterial blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in bengalgram, poor productivity and wilt and pod borer incidence reduced the yield levels. With DFI interventions like Introduction of direct seeded rice, use of Bioagents *Pseudomonas,* and specific intervention of critical pesticides for pest and disease management with limited use of water usage in paddy cultivation. While in other side growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 2,30,500**/-

Farmer at ICM adopted chilli field crop

ICM technology in chilli for pest management

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Vishnuvardhana Reddy
Address: Talur, Siruguppa (Tq)
Age: 45
Education: BA
Size of land holding (in acre): 20

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	9	220.5	396900	234900
Field Crop 2	Cotton	8	80	400000	200000
	Hybrid Jowar	3	75	105000	45000
Total				**901900**	**479900**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Hybrid Jowar	12	324	848880	596880	332	1226.4
Field crop 2	Paddy	7	175	332500	185500	-20.63	-21.03
Field crop 3	Fodder	1	600	120000	80000	>100	>100
Livestock 1	Cows	4	9150	256200	109800	>100	>100
Total				**1557580**	**972180**		**102.58**

Brief: The farmer used to get annual income of **Rs. 479900/-** from **jowar, paddy and cotton.** He faced problems like PBW in cotton, shortage of water and low returns etc. With DFI interventions like **switching over to large area of jowar and selling the produce at MSP, fodder Production** and **dairying** he is getting annual income of **Rs. 972180/-**

KVK scientists visit CoFS 31 plot in farmer's field

Dairy animals

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer Shivashankar s/o Doddasiddanagouda
Address:Bairapura village Siruguppa Taluk Ballari district.
Age: 45 years
Education: High school
Size of land holding (in acre): 3.64 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	2	44	70400	24400
Field. Crop 2	Cotton	1.64	24	120000	54400
Total		**3.64**		**190400**	**78800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	23	36800	13800	-47.7	43.4
Field Crop 2	Cotton	1	15	75000	35000	-37.5	-35.7
Hort. Crop 2	Chilli	1.64	24.6	295200	164000	>100	>100
Total		**3.64**		**407000**	**212800**		**170.05**

Brief: The farmer used to get annual income of **Rs. 78800** from growing paddy and cotton. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., and also management of pbw, leaf reddening, sucking pest in cotton he is getting annual income of **Rs.212800**

IPM practices in cotton

Use of pheromone traps in cotton

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Venkatesh
Address: Kenchatnahalli

Age: 46
Education: 9th
Size of land holding (in acre): 4.00

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3.0	84.00	142800	73800
Field Crop 2	Ground nut	1.0	6.00	28000	12000
Total		**4.0**	**90.00**	**170800**	**85800**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	35.0	61250	35250	-58.3	-52.2
Field Crop 2	Ground nut	1.0	6.0	28000	12000	0.00	0.00
Hort. Crop 1	Chilli	1.0	14.0	168000	87000	>100	>100
Hort. Crop 2	Tomato	1.0	145.0	116000	65000	>100	>100
Total		**4.0**	**200.0**	**373250**	**199250**	**122.22**	**132.23**

Brief: The farmer used to get annual income of **Rs.85800** from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like diversification in crops like chilli and tomato , introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and INM and use of vegetable special , yellow sticky traps and pheromone traps and lures for sucking pest management ,bio agents for soil borne pathogens in chilli he is getting annual income of **Rs. 199250**

Demonstration of high yielding hybrid UASRCH42 in chilli

Stalking to enhance high yield and good quality fruits in tomato

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Lepakshappa S/o S. Umapathi
Address: Asundi Rupanagudi Block Ballari Tq and District
Age: 48
Education: BA
Size of land holding (in acre): 10.0

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	6.0	192.5	3,46,000	2,35,000
Field Crop 2	Paddy	4.0	92.0	1,51,800	65,800
Total		**10.0**		**4,97,800**	**3,00,000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Cotton	4.0	32.0	2,08,000	1,04,000	>100	>100
Hort. Crop 1	Chilli	6.0	72.0	8,64,000	5,74,000	>100	>100
Total		**10.0**		**10,72,000**	**6,78,000**		**126.0**

Brief: The farmer used to get annual income of **Rs. 3,00,000**/- from transplanted paddy and Maize cultivation. He faced problems of severe incidence of bacterial blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, armyworm and blight incidence reduced the yield levels. With DFI interventions in Cotton by IPM for pink boll worm and INM for reddening problems. While in other side growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 6,78,000**/-

DFI farmer adopted ICM technology in chilli for pest management

Farmer adopted IPM technology in cotton for pest management

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Nagantha B S/o Pampanna
Address: Sirigere, Siruguppa
Age: 38
Education: PUC
Size of land holding (in acre):15

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chilli	5	100	900000	575000
Field Crop 2	Cotton	5	80	224000	174000
Field crop 3	Groundnut	5	65	227500	177500
Total				**1351500**	**926500**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Chilli	5	115	1495000	995000	15	73.04
Field Crop 2	Cotton	5	90	315000	255000	12.5	46.55
Field crop 3	GN	5	75	315000	240000	15.38	35.21
Livestock 1	Sheep	40	40	480000	220000	>100	>100
	Poultry (Contract farming)	18000	18000	302400	257400	>100	>100
Total				**2907400**	**1967400**		**112.35**

Brief: The farmer used to get annual income of **Rs. 926500/-** from **chilli, grondnut and cotton.** He faced problems like high input cost, PBW in cotton, pest and disease problem in chilli and low returns etc. With DFI interventions like **IPDM practices in chilli and cotton, stall fed sheep rearing and contract poultry farming**, he is getting annual income of **Rs. 1967400/-**

Azolla production

Stall fed sheep

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Narayanappa
Address:Kenchatnahalli

Age: 26
Education: 6th
Size of land holding (in acre): 2.00

1) 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	2.0	61.0	109800	63800
Total		**2.0**		**109800**	**63800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	1.0	21.0	252000	158000	>100	>100
Hort. Crop 2	Onion	1.0	138.0	124200	78200	>100	>100
Total		**2.0**	**159.0**	**376200**	**236200**	**160.66**	**270.20**

Brief:: The farmer used to get annual income of **Rs.63800** from cultivation of Maize etc. He faced problems like fall army worm, leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management. With DFI interventions like diversification in crops like chilli and onion , INM and use of vegetable special , yellow sticky traps and pheromone traps and lures for sucking pest management ,bio agents and application of neem cake for management of soil borne pathogens in chilli and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease , chemical weed management by application of oxyflourfen in onion crop etc he is getting annual income of **Rs. 236200**

Demonstration of high yielding hybrid UASRCH42 in chilli

Demonstration of rolling before harvesting in onion

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Krishnamurty S/o U. Dyavappa
Address: Shanvaspura Sirguppa Tq Ballari District
Mobile Number: Age: 45
Education: PUC
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	1.0	31.0	55800	36300
Field Crop 2	Paddy	3.0	70.5	1,16,325	50,325
Total		**4.0**		**172125**	**86,625**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	4.0	48.00	4,56,000	1,76,000	>100	>100
Total		**4.0**		**4,56,000**	**1,76,000**		**103.17**

Brief: The farmer used to get annual income of **Rs. 86,625** from transplanted paddy and Maize cultivation. He faced problems of severe incidence of bacterial blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, armyworm and blight incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 1,76,000** /-

DFI farmer at chilli filed

Scientists visited DFI chilli field

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: H. Shambanagouda S/o Chennagouda
Address: Shanavasapura
Age: 44
Education: ITI
Size of land holding (in acre):4 acre

1) Before intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy (organic rice)	2	26	156000	116000
Field Crop 2	Chilli	2	30	405000	231025
Total				**561000**	**347025**

2) Status in 2020

Component Description		Period 2020-21				% 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 (organic rice)	2	30	195000	163000	15.38	40.52
Field crop 2	Chilli	2	36	540000	360000	20.00	55.82
Livestock 1	Sheep	25	25	312500	141250	>100	>100
Livestock 2	Cow (desi)	2	1200	42000	29800	>100	>100
Total				**1089500**	**694050**		**100**

Brief: The farmer used to get annual income of **Rs. 347025** from **paddy and chilli.** He faced problems like high input cost and low returns etc. With DFI interventions like rearing of sheep and desi cows, he is getting annual income of **Rs. 694050/-** with the reduction in input cost.

Assessing weight of stall fed sheep

Sesbania grown for stall fed sheep

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Doddanagouda s/o Naganagouda
Address:Bairapura village Siruguppa Taluk Ballari district.
Mobile Number:
Age: 46 years
Education: High school
Size of land holding (in acre): 3 acres
acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	3.0	62	99200	34110
Total				**99200**	**34110**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.5	30	48000	17410	-51.6	-49.0
Hort. Crop 2	Chilli	1.5	34	54400	19900	>100	>100
Livestock 1	Buffaloe	1	1835	91600	85,000	>100	>100
Total				102400	122310		258.57

Brief: The farmer used to get annual income of **Rs. 34110** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of Trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs. 122310.**

Demonstration on eco-friendly measures for disease and pest control in paddy

Field visit to chilli plots and interaction with the farmers

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Guru Basavaraj
Address: Kenchatnahalli
Age: 28
Education: 5th
Size of land holding (in acre): 2.00

1) 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	Ground nut	2.0	12.00	58000	27000
Total		**2.0**	**12.00**	**58000**	**27000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	1.0	6.0	27000	12000	-50.0	-55.55
Hort Crop 1	Onion	1.0	145.0	159500	117500	>100	>100
Total		**2.0**	**151.0**	**186500**	**129500**		**379.63**

Brief: The farmer used to get annual income of **Rs. 27000** from cultivation of Ground nut. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management. With DFI interventions like diversification in crops like onion , introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease , chemical weed management by application of oxyfluorfen in onion crop etc he is getting annual income of **Rs. 129500**

Demonstration of high yielding variety Bhima Super in onion

IPDM practices in onion

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: K. Thippanna S/o Boraiah
Address: Ramasagarahatti
Age: 59
Education: BA
Size of land holding (in acre): 7 acre

1) B

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Finger millet	1.5	6	7200	3700
Field Crop 2	Maize	4	24	21600	13600
Field Crop 3	Foxtail millet	1.5	6	12000	9500
Total				**40800**	**26800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Finger millet	2	8	11200	7200	-	94.59
Field crop 2	Maize	3	21	24150	18150	16.66	33.45
Field crop 3	Foxtail millet (HN 36)	2	12	24000	19000	50.0	100
Livestock 1	Cow	1	800	24000	16000	>100	>100
Livestock 2	Sheep	6	6	72000	34500	>100	>100
Total				**155350**	**94850**		**253.92**

Brief: The farmer used to get annual income of **Rs. 26800/-** from **ragi, maize and foxtail millet.** He faced problems like poor yielding local varieties, poor production and low returns etc. With DFI interventions like **introducing high yielding foxtail millet variety and livestock related livelihood activities like rearing of cow and sheep,** he is getting annual income of **Rs. 94850/-**

Fodder crop CoFS 29

Field visit by KVK Scientists to tackle FAW menace

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Lokesh
Address:Shrinivas camp, Kurugodu Taluk Ballari district.
Age: 42 years
Education: High school
Size of land holding (in acre): 3.0 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Horticulture Crop 1	Fig	2	141	308000	168000
Horticulture Crop 1	Pomegranate	0.5	20	1,60,000	1,00,000
Total				**468000**	**268000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Horticulture Crop 1	Fig	2	150	375000	272000	6.3	61.9
Horticulture Crop 1	Pomegranate	0.5	22	176000	116000	10	16
Other enterprise	Value addition unit fig	1	30	900000	450000	>100	>100
Total				**1451000**	**838000**		**212.69**

Brief: The farmer used to get annual income of Rs. **268000** from pomegranate, fig,. He faced problems like blight in pomegranate, post harvest losses in figs etc. With DFI interventions like value addition to figs, bioagents use in pomegranate, pruning in figs, IDM practices in figs etc., he is getting annual income of Rs. **838000.**

Lokesh's fig value addition unit

Women involved in sorting and peeling the figs

Name of farmer: Mahalingappa S/o U. Hanumathappa
Address: Dasapura, Sirguppa Tq Ballari District

Age: 38 Education: PUC
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	Cotton	2.0	16.5	1,07,250	37,250
Field Crop 2	Paddy	3.0	72.50	1,16,325	49,825
Total		**5.0**		**2,23,575**	**87,075**

2) Status in 2020

Component Description		Period 2020-21				% 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 DSR	1.0	24.5	41,650	22,150	1.40	-55.54
Hort. Crop 1	Chilli	4.0	52.0	5,46,000	2,18,500	>100	>100
Total		**5.0**		**5,87,650**	**2,40,650**		**176.37**

Brief: The farmer used to get annual income of **Rs. 87,075** from transplanted paddy and Cotton cultivation. He faced problems of severe incidence of blast disease and brown plant hopper iin transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in cotton pink bollworm and reddening incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide and while in DSR paddy, use of less pesticides and bioagents low water usage in paddy , he is getting annual income of **Rs 2,40,650**/-

Farmer at ICM technology adopted chilli field under DFI village

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: B. Virupaksha S/o Eshwara Gowda
Address: Bevinahalli

Age: 30
Education: Diploma (Mechanical)
Size of land holding (in acre): 2

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	2	50	75000	40000
Total				**75000**	**40000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	1	22	28600	18600	>100	>100
Field crop 2	Fodder	1	480	48000	30000	>100	>100
Livestock 1	sheep	20	20	200000	88000	>100	>100
Total				**276600**	**136600**		**241.50**

Brief: The farmer used to get annual income of **Rs. 40000/-** from **paddy.** He faced problems like PBW in cotton and low returns etc. With DFI interventions like **switching over to maize, fodder production to support stall fed sheep rearing** he is getting annual income of **Rs. 136600/-**

CoFS 31 fodder crop

Stall-fed sheep

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Vasanti
Address:Shrinivas camp,Kurugodu
Age: 26 years
Education: 5th standard
Size of land holding (in acre): 8 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Hort. Crop 1	Pomegranate	6	240	1260000	1040000
Hort. Crop 2	Fig	2	152	206000	186000
Total				**1466000**	**1226000**

2) Status in 2020

Component Description		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	Pomegranate	6	255	2040000	1320000	6.25	10
Hort. Crop 2	Fig	2	160	400000	304000	5.2	63.44
Other enterprise (Specify)	fig value addition unit	1	50	2000000	1000000	>100	>100
Total				**4440000**	**2624000**		**114.03**

Brief: The farm women used to get annual income of Rs. **1226000** from pomegranate, fig. She faced problems like low yield, post harvest losses etc. With DFI interventions like value addition to figs, blight management in pomegranate with bioagents, pruning techniques in fig, micronutrient management in fig,., she is getting annual income of Rs. **2624000.**

Vasanti's fig value addition unit

Women involved in value addition to fig

Effect of DFI intervention **Name of KVK: ICAR-KVK,Ballari**

Name of farmer: Gallesh
Address: Kenchatnahalli

Age: 46
Education: 6th
Size of land holding (in acre): 5.00

1) 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	3.0	93.00	167400	95400
Field Crop 2	Ground nut	2.0	12.00	57600	26600
Total		**5.0**	**105.00**	**225000**	**122000**

2) Status in 2020

Component Description		Period 2020-21				% 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	2.0	70.0	129500	77500	24.7	-18.8
Hort. Crop 1	Onion	2.0	285.0	256500	146100	>100	>100
Hort. Crop 2	Tomato	1.0	141.0	112800	54800	>100	>100
Total		**5.0**	**496.0**	**498800**	**278400**	**372.38**	**128.20**

Brief: The farmer used to get annual income of **Rs.122000** from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like diversification in crops like onion and tomato, introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease , chemical weed management by application of oxyfluorfen in onion crop etc he is getting annual income of **Rs. 278400**

Demonstration of high yielding variety Bhima Super in onion

Stalking to enhance high yield and good quality fruits in tomato

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Praveen
Address:Guggarahatti, Ballari tq., Ballari district.
Age: 32 years Education: BE
Size of land holding (in acre): 1.0 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1	22	35000	12200
Total				**35000**	**12200**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	23	36800	13800	4.5	13.1
Horticulture Crop 1	Mushroom cultivation	2400	12	2,16,000	180000	>100	>100
Other enterprise: Mushroom value addition	Mushroom pickle making unit	1	6	1,80,000	120000	>100	.>100
Total				**432800**	**313800**		**2472.13**

Brief: The farmer used to get annual income of **Rs. 12200** from paddy,. He was suggested to grow milky mushrooms. With DFI interventions like IDM approaches like use of trichoderma, etc., mushroom cultivation and also value addition to milky mushrooms. He is getting annual income of **Rs.313800.**

Mushroom cultivation unit

Value added mushroom pickles

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Guruputra S/o Bheemappa
Address: Dasapura, Sirguppa Taq Ballari District
Age: 49 Education: PUC
Size of land holding (in acre): 7.0

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	Cotton	3.0	22.50	1,68,750	98,250
Field Crop 2	Paddy	4.0	106.0	1,74,900	88,900
Total		**7.0**		**3,43,650**	**1,87,150**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Cotton	1.0	8.75	56,875	33,375	-61.1	-66
Hort. Crop 1	Chilli	6.0	81.0	8,50,500	4,60,500	>100	>100
Total		**7.0**		**907375**	**4,93,875**		**163.8**

Brief: **Brief**: The farmer used to get annual income of **Rs. 1,87,150** from transplanted paddy and Cotton cultivation. He faced problems of severe incidence of blast disease and brown plant hopper iin transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in cotton pink bollworm and labour cost, reddening incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide and whilehe reduced cotton area and practiced IPM for pink boll worm in cotton with less pesticides, he is getting annual income of **Rs 4,93,875/-**

KVK Scientist interacted with DFI farmers

Chilli crop view after ICM adopted technologies

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: P. Swaroop Kumar S/o P. Prabhakar Rao
Address: Belagal, Ballari (Tq)

Age: 36
Education: 10th Std
Size of land holding (in acre): 6 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chilli	3	60	480000	300000
Field Crop 2	Maize	3	75	97500	73500
Total				**577500**	**373500**

2) Status in 2020

Component Description		Period 2020-21				% 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	3	78	156000	120000	4	63.26
Field crop 2	Fodder	3	1550	310000	220000	>100	>100
Livestock 1	Sheep	80	80	840000	464000	>100	>100
Livestock 2	Backyard Poultry (Aseel)	35	35	105000	80500	>100	>100
Total				**1411000**	**884500**		**136.81**

Brief: The farmer used to get annual income of **Rs. 373500/-** from **maize and chilli.** He faced problems like pest and disease incidence in chilli along with high input cost and low returns etc. With DFI interventions like **fodder production to support stall fed sheep rearing** and **adoption of backyard poultry** he is getting annual income of **Rs. 884500/-**

Stall fed sheep unit

Fodder Production

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Hussain Sab
Address: Kenchatnahalli

Age: 42
Education: 7th standard
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	6.25	34000	15800
Field Crop 2	Maize	1.0	27.00	48600	27600
Hort. Crop 1	Onion	1.0	105.00	115500	64500
Total		**3.0**	**138.25**	**198100**	**107900**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	32.0	57600	34600	18.50	25.92
Hort. Crop 1	Onion	1.0	117.0	163800	110000	11.42	70.54
Hort. Crop 2	Cauliflower	1.0	85.0	136000	72000	>100	>100
Total		**3.0**	**234.0**	**357400**	**216600**	**69.25**	**100.74**

Brief: The farmer used to get annual income of **Rs.107900** from Ground nut ,Maize and Onion. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and old variety in onion etc. With DFI interventions like diversification in crops like onion , introduction of high yielding variety Bhima Super, bioagents, use of vegetable special , IDM approaches for management of thrips and purple blotch disease in onion crop and introduction of neem pellets, bioagents, use of vegetable special , yellow sticky traps in cauliflower., he is getting annual income of **Rs. 216600.**

Demonstration of high yielding variety Bhima Super in onion

Demonstration of neem pellets and bioagents in cauliflower

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Diwakar Gowda
Address: Honnalli , Ballari tq., Ballari district.
Age: 62 years
Education: PUC Size of land holding (in acre): 2.0 acre

1) Before Intervention

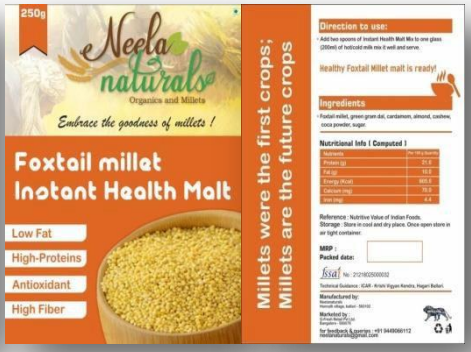
Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Foxtail millet	1	12	33372	22372
Horticulture crops	Vegetables	1	250	250000	135000
Total				**2883372**	**157372**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Foxtail millet	1	13	35372	25372	8.33	13.40
Horticulture crops	Vegetables	1	270	254000	140000	8.0	3.70
Other enterprise: Millet value addition	Millet value addition unit	1	75	1420000	700000	>100	>100
Total				**1709372**	**865372**		**449.8**

Brief: The farmer used to get annual income of **Rs. 157372** from foxtail millet and vegetables,. With DFI interventions like new millet variety introduction, pseudomonas application for disease management in milletes and micronutrient application, use of bio pesticides, use of sticky traps for insect management in vegetables and also value addition in Millets , he is getting annual income of **Rs.865372.**

Millet value addition unit



Value added millet products

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Erriswamy S/o Mudakappa
Address: Konchageri, Sirguppa Tq and Ballari District
Age: 58
Education: PUC
Size of land holding (in acre): 7.0

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	Cotton	3.0	21.0	1,47,000	81,000
Field Crop 2	Paddy	4.0	100.8	1,66,320	83,820
Total		**7.0**		**3,13,320**	**1,64,820**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Papaya	2.0	43 tons	4,30,000	2,65,000	>100	>100
Hort. Crop 1	Chilli	5.0	60.5	6,35,250	1,85,250	>100	>100
Total		**7.0**		**10,65,250**	**4,50,250**		**173.18**

Brief: **Brief**: The farmer used to get annual income of R**s. 1, 64,820** from transplanted paddy and Cotton cultivation. He faced problems of severe incidence of blast disease and brown plant hopper in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in cotton pink bollworm and labor cost, reddening incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of advanced hybrid chilli, *Trichoderma, pseudomonas*, sticky yellow and blue traps, and pest specific fungicide/ insecticide and while in papaya, he practiced Integrated nutrient management, IPM for major pests and diseases, he is getting annual income of **Rs 4, 50,250/-**

Healthy and well maintained Papaya orchard by IPDM adopted DFI farmer

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Tarun Kumar M G S/o Gangadhar
Address: Tokenhalli, Kudligi (Tq)

Age: 29
Education: BE
Size of land holding (in acre):4 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Groundnut	4	32	112000	76000
Total				**112000**	**76000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Groundnut	4	32	144000	96000	0.00	26.31
Livestock 1	Sheep	40	40	448000	180000	>100	>100
Total				**592000**	**276000**		**263.16**

Brief: The farmer used to get annual income of **Rs.76000/-** from **groundnut.** He faced problem of low returns etc. With DFI interventions like stall fed sheep rearing to complement his agriculture activity he is getting annual income of **Rs. 276000/-**

Stall fed sheep unit

GN hay procured for stall feeding of sheep

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Prakash G
Address: Kenchatnahalli
Age: 39
Education: 8th standard
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	12.00	57600	25600
Field Crop 2	Maize	2.0	60.00	114000	56000
Total		**4.0**	**72.00**	**171600**	**81600**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	1.0	6.50	31850	14850	-45.8	-42.0
Field Crop 2	Maize	1.0	34.0	64600	36600	-43.3	-34.6
Hort. Crop 1	Onion	2.0	245.0	294000	184000	>100	>100
Total		4.0	285.50	390450	235450	295.83	188.54

Brief: The farmer used to get annual income of **Rs.81600** from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut , fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and micronutrient deficiency in crops etc. With DFI interventions like diversification of crops ,introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs. 235450.**

Demonstration of high yielding variety Bhima Super in onion

Rolling to suppress the growth before harvesting in onion

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Kumar gouda S/o S. Ramanna
Address: Kakka bevinahalli Rupanagudi Block Ballari Tq and District
Age: 47
Education: PUC
Size of land holding (in acre): 8.0

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	5.0	155.0	2,79,000	1,86,500
Field Crop 2	Paddy	3.0	70.5	1,16,325	50,325
Total		**8.0**		**3,95,325**	**2,36,825**

2) Status in 2020

Component Description		Period 2020-21				% 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 DSR	2.0	44.0	72,600	41,400	-6.38	-17.73
Hort. Crop 1	Chilli	6.0	75.0	7,87,500	4,67,500	>100	>100
Total		**8.0**		**860100**	**5,08,900**		**114.88**

Brief: The farmer used to get annual income of **Rs. 2,36,825** from transplanted paddy and Maize cultivation. He faced problems of severe incidence of bacterial blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, armyworm and blight incidence reduced the yield levels. With DFI interventions like Introduction of direct seeded rice, use of Bioagents *Pseudomonas,* and specific intervention of critical pesticides for pest and disease management with limited use of water usage in paddy cultivation. While in other side growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 5,08,900/-**

DFI farmer adopted ICM technology in chilli for pest management

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Veeresh gouda S/o Pampapathi gouda
Address: Y Kaggal, Ballari (tq)

Age: 42
Education: ITI
Size of land holding (in acre):8 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Jowar	4	72	158400	126400
Field Crop 2	Bengal gram	4	16	64000	40000
Total				**222400**	**166400**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Jowar (seed production)	4	56	190400	158400	-22.22	25.31
Field crop 2	cowpea	4	16	96000	76000	>100	>100
Livestock 1	Sheep	20	20	200000	96000	>100	>100
Livestock 2	Backyard poultry	400	19200	192000	132000	>100	>100
Total				**678400**	**462400**		**177.88**

Brief: The farmer used to get annual income of **Rs. 166400/-** from **jowar and bengal gram.** He faced problem of low returns etc. With DFI interventions like stall fed sheep farming and backyard poultry rearing for eggs he is getting annual income of **Rs. 462400/-**

Stall fed sheep

Backyard poultry for egg production

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Yoganand
Address: Kenchatnahalli

Age: 28
Education: 9th standard
Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	6.0	28800	12800
Field Crop 2	Maize	1.0	31.0	55800	30200
Total		**2.0**	**37.0**	**84600**	**43000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Maize	1.0	35.0	63000	37000	12.90	22.51
Hort. Crop 1	Onion	1.0	98.0	107800	62800	>100	>100
Total		**2.0**	**133.0**	**170800**	**99800**	**259.45**	**132.09**

Brief: The farmer used to get annual income of Rs.43000 from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut , fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and micronutrient deficiency in crops etc. With DFI interventions like diversification of crops, introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of Rs. 99800..

Demonstration of high yielding variety Bhima Super in onion

INM with broad bed furrow system planting in onion

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Veereshappa
Address: Shanavasapura , Siruguppa tq., Ballari district.
Age: 58 years Education: nil Size of land holding (in acre): 3.5 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	2	44	70400	24400
Field. Crop 2	Cotton	1.5	24	120000	54400
Total		**3.5**		**190400**	**78800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	23	36800	13800	-47.7	-43.4
Field Crop 2	Cotton	1	15	75000	35000	-37.7	35.2
Hort. Crop 2	Chilli	1.5	24.6	295200	164000	>100	>100
Total		**3.5**		**407000**	**212800**		**170.0**

Brief: The farmer used to get annual income of **Rs. 78800** from growing paddy and cotton . He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., and also management of pbw, leaf reddening, sucking pest in cotton he is getting annual income of **Rs.212800**

Farmer's chilli field with yellow and blue sticky traps

Bioagents application in famers field

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Mudaveerappa S/o pampanna
Address: Konchageri, Sirguppa Ballari District
Age: 38
Education: PUC
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Cotton	2.0	14.40	93,600	48,600
Field Crop 2	Paddy	1.0	26.50	45,050	22,550
Total		**3.0**		**138650**	**71,150**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Papaya	2.0	46 tons	3,68,000	1,83,000	>100	>100
Hort. Crop 1	Chilli	1.0	12.50	1,37,500	62,500	>100	>100
Total		**3.0**		**5,05,500**	**2,45,500**		**245.0**

Brief: **Brief**: The farmer used to get annual income of **Rs. 71,150** from transplanted paddy and Cotton cultivation. He faced problems of severe incidence of blast disease and brown plant hopper in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in cotton pink bollworm and labor cost, reddening incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of advanced hybrid chilli varieties , *Trichoderma, pseudomonas*, sticky yellow and blue traps, and pest specific fungicide/ insecticide for pests management, while in papaya, he practiced Integrated nutrient management, IPM for major pests and diseases, he is getting annual income of **Rs 2,45,500/-**

Farmer grown high value papaya crop under DFI programme and KVK scientists visited the DFI field

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Srinivasaraju K S/o K, Vekataramaraju
Address: Chikka Ballari, Siruguppa (Tq)

Education: SSLC
Size of land holding (in acre):50

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	50	1250	2125000	1275000
Total				**212500**	**1275000**

2) Status in 2020

Component Description		Period 2020-21				% 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	30	750	1500000	900000	-40	-29.4
Field crop 2	Fodder	10	5400	540000	340000	>100	>100
Livestock 1	Fish	10	100	800000	600000	>100	>100
Livestock 2	Buffaloes (Murrah)	75	105000	5250000	1845000	>100	>100
Total				**8090000**	**3685000**		**189.01**

Brief: The farmer used to get annual income of **Rs. 1275000/-** from **paddy.** He faced problems like high input cost, disease incidence and low returns etc. With DFI interventions like fish farming and intensive buffaloe rearing he is getting annual income of **Rs. 3685000/-**

Intensive Buffaloe rearing

Fresh milk sold in an outlet at Siruguppa

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Sanjeevamurthy
Address: Kenchatnahalli

Age: 49
Education: 10th standard
Size of land holding (in acre): 5.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	13.0	63700	28400
Field Crop 2	Maize	2.0	64.0	108800	56800
Hort. Crop 1	Onion	1.0	110.0	132000	84000
Total		**5.0**		**304500**	**169200**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Ground nut	1.0	7.0	34300	17800	-46.2	-37.3
Field Crop 2	Maize	1.0	36.0	64800	37300	7.69	-34.3
Hort. Crop 1	Onion	1.0	122.0	158600	102600	-43.8	22.14
Hort. Crop 2	Chilli	2.0	34.0	442000	260000	>100	>100
Total		**5.0**		**699700**	**417700**		**146.87**

Brief: The farmer used to get annual income of **Rs.169200** from Ground nut,Maize and Onion. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and old variety in onion etc. With DFI interventions like diversification in crops like onion , introduction of high yielding variety Bhima Super, bioagents, use of vegetable special , IDM approaches for management of thrips and purple blotch disease in onion crop and introduction of new hybrid UASRCH42 in chilli., he is getting annual income of **Rs. 417700**

Advising the farmers to identify the symptoms of thrips and purple blotch incidence

Comparison of UASRCH2 chilli hybrid with local cultivar during growth stage

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Ramesha K S/o Sanjeevappa
Address: Shanavasapura village Ballari district.
Age: 41 years
Education: 10th standard
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/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	10	221	351000	123600
Total		**10**		**351000**	**123600**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	6	150	240000	102000	-32.1	-17.5
Hort. Crop 2	Chilli	4	60	720000	400000	>100	>100
Total		**10**		**1900000**	**502000**		**306.15**

Brief: The farmer used to get annual income of **Rs.123600** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.502000.**

IDM approaches in farmer's field

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Sharanappa
Address: Kenchatnahalli
Mobile Number: 9663651468
Age: 45
Education: 11th standard
Size of land holding (in acre): 8.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	12.0	56400	26800
Field Crop 2	Maize	2.0	56.0	98000	51500
Hort. Crop 1	Onion	1.0	118.0	129800	84800
	Waste land	3.0	0.0	0.0	0.0
Total		**8.0**	**186.0**	**284200**	**163100**

2) Status in 2020

Component Description		Period 2020-21				% 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	2.0	64.0	115200	64200	14.28	24.62
Hort. Crop 1	Onion	1.0	124.0	161200	109200	5.08	28.77
Hort. Crop 2	Chilli	2.0	28.0	406000	217000	>100	>100
Wasteland	Farm pond (Fisheries)	3.0	8.0	96000	71400	>100	>100
Total		**8.0**	**224.0**	**778400**	**461800**	**20.43**	**183.14**

Brief: The farmer used to get annual income of **Rs. 163100** from Ground nut ,Maize and Onion. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and old variety in onion etc. With DFI interventions like diversification in crops like chilli , introduction of high yielding variety Bhima Super, bioagents, use of vegetable special , IDM approaches for management of thrips and purple blotch disease in onion crop ,introduction of new chilli hybrid UASRCH42 in chilli and rearing of fish in farm pond, he is getting annual income of **Rs. 461800.**

Assessment of yield in UASRCH 42 hybrid during harvesting stage

Converting waste land to farm pond and rearing of fish

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: S H M Baasaiah S/o M. Kotraiah
Address: Kaddirampura, Hosepet Tq

Age: 61
Education: 9th Std
Size of land holding (in acre): 3 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sugarcane (Organic)	3	1350	243000	183000
Total				**243000**	**183000**

2) Status in 2020

Component Description		Period 2020-21				% 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 (organic)	3	30	180000	153000	>100	>100
Livestock 1	cow	1	600	18000	11500	>100	>100
Other enterprise1	Apiculture	20	0.5	25000	19000	>100	>100
Other enterprise2	Compost	0.25	8	20000	16000	>100	>100
Other enterprise 3	Bamboo nursery	2000	2000	300000	270000	>100	>100
Total				**543000**	**469500**		**156.56**

Brief: The farmer used to get annual income of **Rs. 183000/-** from **sugarcane.** He faced problems like high input cost and low returns etc. With DFI interventions like **apiculture, vermicompost production, a**nd agro-forest nursery he is getting annual income of **Rs. 469500/-**

Apiculture

Desi cow

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Dakappa S/o Basanna
Address Asundi, Rupanagudi Block Ballari Tq and District

Age: 52
Education: High school
Size of land holding (in acre): 6

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sorghum	4.0	34	1,21,900	77,400
Field Crop 2	Maize	2.0	46	1,62,800	1,00,400
Total		**6.0**		**2,84,700**	**1,77, 800**

2) Status in 2020

Component Description		Period 2020-21				% 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	3.0	66.00	1,52500	1,02,000	43.5	1.6
Hort. Crop 1	Chilli	4.0	46.50	6.00,000	3,40,000	>100	>100
Total		**6.0**		**7,52,500**	**4,42,000**		**148.59**

Brief: The farmer used to get annual income of **Rs. 1,77,800/-** from sorghum and maize crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in both the crops. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in maize, while in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 4,42,000.**

Demonstration of ICM Technologies for pest management in chilli under DFI programme

Farmer at his ICM adopted chilli field

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer: Pampanna S/oFakeerappa
Address:Sahnavasapura village, Siruguppa Taluk Ballari district.
Age: 39 years
Education: 5th standard
Size of land holding (in acre): 12 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	12	262	423000	147400
Total		**12**		**423000**	**147400**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	6	148	236800	98800	-43.5	-33.0
Hort. Crop 2	Chilli	6	90	1080000	600000	>100	>100
Total		**12**		**1316800**	**698800**		**374.08**

Brief: The farmer used to get annual income of **Rs. 147400** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.698800.**

IDM approaches in chilli plot of the farmers

IDM approaches in paddy plot of the farmers

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Kotresh
Address: Kenchatnahalli

Age: 38
Education: 12th standard
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	6.50	31200	12700
Field Crop 2	Maize	1.0	29.0	55100	31100
Hort. Crop 1	Tomato	1.0	105.0	94500	40500
Total		**3.0**		**180800**	**84300**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	36.0	68400	41900	24.13	34.72
Hort. Crop 1	Onion	1.0	110.0	154000	103000	>100	>100
Hort. Crop 2	Tomato	1.0	116.0	127600	72600	10.47	-81
Total		**3.0**		**350000**	**217500**	**86.47**	**158.0**

Brief: The farmer used to get annual income of **Rs.84300** from Ground nut, maize and Tomato etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs. 217500.**

IPDM practices for management of thrips and purple blotch disease incidence in onion

Stalking to enhance high yield and good quality fruits in tomato

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: D. Mariswamy S/o Dammur Irabasappa
Address: Kolagallu

Age: 33
Education: ITI
Size of land holding (in acre): 10

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	05	125	212500	127500
Field Crop 2	Chilli	05	100	800000	450000
Total				**1012500**	**577500**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	3	75	150000	90000	-40.00	-29.4
Field crop 2	Chilli	5	100	1300000	800000	00.00	77.7
Field crop 3	Fodder	2	900	90000	50000	>100	>100
Livestock 1	Sheep	50	50	560000	225000	>100	>100
Total				**2100000**	**1165000**		**101.73**

Brief: The farmer used to get annual income of **Rs. 577500/-** from **paddy and chilli.** He faced problems like high input cost and low returns etc. With DFI interventions like **stall-fed sheep rearing along with fodder production** he is getting annual income of **Rs. 1165000/-**

Stall fed sheep

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Marenna S/o Sheshappa
Address: Asundi, Rupanagudi Block Ballari Tq and District

Age: 47
Education: High school
Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sorghum	3	25	71,775	38500
Field Crop 2	Paddy	2	44.0	79,200	45,700
Total		**5**		**150975**	**84,200**

2) Status in 2020

Component Description		Period 2020-21				% 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	3	104	2,86,000	1,93,500	>100	>100
Hort. Crop 1	Chilli	2	24.50	257250	101250	>100	>100
Total		**5**		**286257.25**	**294,750**		**250.05**

Brief: The farmer used to get annual income of **Rs. 84,200**/- from sorghum and Paddy crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in sorghum and while in paddy, BPH and sheath blight and blast incidence reduced yields. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in maize, while in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 294,750**

Interaction with farmers on use of

Sticky traps at DFI village

Farmer at his IPM adopted chilli crop

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmerKhajahussain S/o Honnurali sab
Address: Shanavasapura village Siruguppa Taluk Ballari district.
Age: 32 years
Education: High school
Size of land holding (in acre): 3.5 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	3.5	77	123200	42700
Total		**3.5**		**123200**	**42700**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	2	46.00	73600	27600	-40.3	-35.4
Hort. Crop 2	Chilli	1.5	22.5	270000	150000	>100	>100
Total		**3.5**		**343600**	**174600**		**308.90**

Brief: The farmer used to get annual income of **Rs.42700** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.174600.**

IDM technology demonstration in chilli

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Kumar
Address: Kenchatnahalli
Age: 49
Education: 7th standard
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	13.5	66150	27150
Field Crop 2	Maize	1.0	31.0	60450	33950
Hort. Crop 1	Onion	1.0	109.0	130800	81800
Total		**4.0**	**153.5**	**257400**	**142900**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Ground nut	1.0	7.0	34300	16800	-48.1	-38.1
Field Crop 2	Maize	1.0	34.0	66300	39300	61.9	15.75
Hort. Crop 1	Onion	1.0	121.0	145200	99200	11.09	21.27
Hort. Crop 2	Chilli	1.0	16.0	232000	137000	>100	>100
Total		**4.0**	**178.0**	**477800**	**292300**	**16.01**	**104.54**

Brief: The farmer used to get annual income of **Rs.142900** from Ground nut, maize and onion etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, old variety and micronutrient deficiency in onion etc. With DFI interventions like introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop and introduction of new hybrid UASRCH42 in chilli etc., he is getting annual income of **Rs. 292300.**

IPDM practices to management of thrips and purple blotch disease incidence in onion

Comparison of UASRCH2 chilli hybrid with local cultivar during grand growth stage

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer Sunkappa S/o Fakkeerappa
Address:Shanavasapura village, Siruguppa Taluk Ballari district.
Age: 42 years
Education: High school
Size of land holding (in acre): 3.64 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	2	44	70400	25400
Field. Crop 2	Cotton	1.64	24	120000	54400
Total		**3.64**		**190400**	**79800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1	23	36800	13900	-47.7	-45.3
Field Crop 2	Cotton	1	15	75000	35000	-37.5	-35.7
Hort. Crop 2	Chilli	1.64	24.6	295200	164500	>100	>100
Total		**3.64**		**407000**	**213400**		**167.41**

Brief: The farmer used to get annual income of **Rs. 79800** from growing paddy and cotton. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., and also management of pbw, leaf reddening, sucking pest in cotton he is getting annual income of **Rs.213400**

Demonstration of IDM approaches in chilli

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Name of farmer: Basavaraj S/o Lingiahswami
Address: Asundi, Rupanagudi Block Ballari Tq and District
Age: 56
Education: High school
Size of land holding (in acre): 5

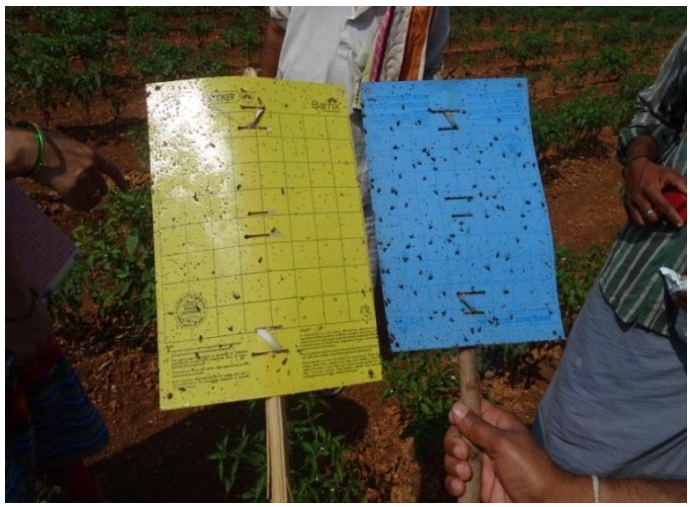
1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sorghum	3	23.5	55,225	28,725
Field Crop 2	Maize	2	49	1,39,650	93,150
Total		**5**		**194875**	**121875**

2) Status in 2020

Component Description		Period 2020-21				% 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	1,37,800	95,300	6.1	2.30
Hort. Crop 1	Chilli	3	60	3,78,000	222,000	>100	>100
Total		**5**		**515,800**	**317,300**		**160.34**

Brief: The farmer used to get annual income of **Rs. 121875**/- from sorghum and maize crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in both crop. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in maize, while in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 317,300**/-



Sticky traps an IPDM technology demonstrated for pest management in chilli under DFI programme

Farmer at his farm with good crop growth

Effect of DFI intervention **Name of KVK: ICAR-KVK, Ballari**

Name of farmer: Santosh H D S/o Gurubasavaraju
Address: Holagundi Post, Hoovinahadagali (Tq)
Age: 32

Education: BVA
Size of land holding (in acre):3 acre

1) Before Intervention

Component Description		Benchmark (Baseline period 2015-16)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3	69	110400	86400
Total				**110400**	**86400**

2) Status in 2020

Component Description		Period 2020-21				% 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	2.5	62.5	125000	95000	-9.42	9.95
Field crop 3	Fodder (Hybrid Napier)	0.5	320	64000	44000	>100	>100
Livestock 1	Cows	2	4200	126000	71000	>100	>100
Total				**315000**	**210000**		**143.05**

Brief: The farmer used to get annual income of **Rs. 86400/-** from **maize.** He faced problems like high input cost and low returns etc. With DFI interventions like Capacity building programme on dairying and rearing of dairy animals along with fodder production he is getting annual income of **Rs. 210000/-**

Dairy animals maintained by Farmer Santhosh

KVK Scientists treating cow at Farmers' shed

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Yamanappa
Address: Kenchatnahalli

Age: 45
Education: 11th standard
Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	7.0	32900	14900
Field Crop 2	Maize	1.0	36.0	68400	41900
Total		**2.0**	**43.0**	**101300**	**56800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Maize	1.0	38.0	70300	43800	5.55	4.53
Hort. Crop 1	Onion	1.0	129.0	116100	73100	>100	>100
Total		**2.0**	**167.0**	**186400**	**116900**	**288.37**	**105.80**

Brief: The farmer used to get annual income of **Rs.56800** from Ground nut and Maize . He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm and leaf blight in maize etc. With DFI interventions like introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs. 116900.**

Broad bed furrow method of planting in onion to obtain good shape and quality bulbs

Demonstration of high yielding variety Bhima Super in onion

Name of farmer: Basavaraj S/o Tippeswamy
Address: Shanavasapura, Siruguppa Taluk and District
Age: 54 yrs
Education: Primary school Size of land holding (in acre):4

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	70	1,26,000	90,000
Field Crop 2	Paddy	2.0	47	84,600	37,600
Total		**4.0**		**2,10,600**	**1,27,600**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	2.0	51.0	1,07, 100	65,200	8.50	73.40
Hort. Crop 1	Chilli	2.0	34	3,57,000	2,18,000	>100	>100
Total		**4.0**		**4,64,100**	**2,83,200**		**121.94**

Brief: The farmer used to get annual income of **Rs. 1,27,600/-** from transplanted paddy and Maize crop He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop, fall army worm incidence and leaf blight in maize . With DFI interventions like Introduction of direct seeded rice, use of Bioagent *Pseudomonas, Metarahizium, Beauvaria and Verticillium* for pest and disease management with limited use of water usage in paddy cultivation. IDM approaches in chilli crop viz., use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 2,83,200.**

IDM approaches in chilli

Scientists visit to DSR plot of the farmer

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Mahantesha S/o Hanumantahappa
Address: Asundi, Rupanagudi Block Ballari Tq and District
Age: 34
Education: High school
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3	62	1,10.200	47,200
Total		**3**		**1,10.200**	**47,200**

2) Status in 2020

Component Description		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	Chilly	3	26.5	3,60,000	1,75,250	>100	>100
Total		**3**		**3,60,000**	**1,75,250**		**271.29**

Brief: The farmer used to get annual income of **Rs. 47,200** from transplanted paddy. He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, With DFI interventions like like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 1,75,250**/-

Scientists Interaction with farmers on use of Sticky traps

DFI farmer at chilli field after ICM technology adoption

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Bandeppa
Address: Kenchatnahalli
Age: 43
Education: 7 th standard
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	1.0	29.0	55100	31100
Field Crop 2	Ground nut	1.0	7.0	34300	17800
Hort. Crop 1	Onion	1.0	98.0	107800	62800
Total		**3.0**	**134.0**	**197200**	**111700**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	34.0	62900	36900	17.24	18.64
Hort. Crop 1	Onion	1.0	117.0	157950	103950	19.38	65.52
Hort. Crop 2	Ridge gourd	1.0	105.0	147000	86000	>100	>100
Total		**3.0**	**256.0**	**367850**	**226850**	**91.00**	**103.08**

Brief: The farmer used to get annual income of **Rs 111700** from maize, ground nut and onion etc. He faced problems like cultivation of old variety, fall army worm and leaf blight in maize, old variety ,Collar rot, leaf minor in ground nut and old variety, lack of knowledge on use of bio agents in pest and disease management in onion etc. With DFI interventions, diversification of crops like ridge gourd, introduction of high yielding variety Arka Prasanna, bioagents, use of vegetable special, pheromone traps and lures for fruit fly management in ridge gourd, ,introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop, use of emamectin benzoate for fall army worm in maize he is getting annual income of **Rs. 226850.**

Explaining the Importance of training system in ridge gourd

Field day on ridge gourd during fruiting stage

Name of farmer: Veeresh S/o Gurusiddappa
Address: Shanavasaura, Siruguppa Tq and District

Age: 32 yrs Education: High school
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	2	65	1,16,400	83,600
Field Crop 2	Paddy	3	66	1,13,200	47,200
Total		**5**		**229600**	**1,30,800**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	2	46	78,100	46,300	-30.0	-1.90
Hort. Crop 1	Chilli	3	45	4,50,000	2,56,000	>100	>100
Total		**5**		**5,28,100**	**3,02,300**		**131.11**

Brief: The farmer used to get annual income of **Rs. 1,30,800/-** from transplanted paddy and Maize crop He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop, fall army worm incidence and leaf blight in maize . With DFI interventions like Introduction of direct seeded rice, use of Bioagent *Pseudomonas, Metarahizium, Beauvaria and Verticillium* for pest and disease management with limited use of water usage in paddy cultivation. IDM approaches in chilli crop viz., use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs .3,02,300.**

ICM demonstration in chilli plot

Scientists visit to paddy field of the farmer

Name of farmer: Channareddy S/o Laxmireddy
Address: Godehalu Ballari Tq and District
Mobile Number:
Age: 35
Education: High school
Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2	64	1,15,200	82,600
Total		**2**		**1,15,200**	**82,600**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	2	24.50	2,94,000	1,69,000	>100	>100
Total		**2**		**2,94,000**	**1,69,000**		**104.60**

Brief: The farmer used to get annual income of **Rs. 82,600**/- from maize crop poroduction, in maize, fall army worm and leaf blight incidence reduced the yield levels with heavy expenses on farm laborer . With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 1,69,000**/-

IPM adopted chilli crop along with KVK Scientists

Farmer interacted with Scientists on ICM technologies for pest management in chilli

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Bangi Goni Basappa
Address: Kenchatnahalli

Age: 45
Education: 9th standard
Size of land holding (in acre): 6.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	14.0	64400	25900
Field Crop 2	Maize	2.0	58.0	104400	48400
Hort. Crop 1	Onion	2.0	230.0	207000	112000
Total		**6.0**		**375800**	**186300**

2) Status in 2020

Component Description		Period 2020-21				% 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	2.0	64.0	124800	65200	10.34	37.41
Field Crop 2	Onion	2.0	256.0	281600	178350	11.30	59.24
Hort. Crop 1	Chilli	1.0	14.0	190400	108400	>100	>100
Hort. Crop 2	Tomato	1.0	128.0	102400	46400	>100	>100
Total		**6.0**		**699200**	**398350**		**113.82**

Brief: The farmer used to get annual income of **Rs.186300** from Ground nut, Maize and Onion. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and old variety in onion etc. With DFI interventions like diversification in crops like chilli , introduction of high yielding variety Bhima Super, bioagents, use of vegetable special , IDM approaches for management of thrips and purple blotch disease in onion crop , introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of new chilli hybrid UASRCH42 in chilli., he is getting annual income of **Rs. 398350**

Broad bed furrow method of planting in onion

Multiple disease resistant hybrid Arka Rakshak

Name of farmer: Imam sab S/o U. Siddaq sab
Address: Shanvaspura Sirguppa Tq Ballari District
Age: 56 yrs Education: High school
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	1.0	31.0	55800	36300
Field Crop 2	Paddy	3.0	70.5	1,16,325	50,325
Total		**4.0**		**172125**	**86,625**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	4.0	48.00	4,56,000	1,76,000	>100	>100
Total		**4.0**			**1,76,000**		**103.17**

Brief: The farmer used to get annual income of **Rs. 86,625** from transplanted paddy and Maize cultivation. He faced problems of severe incidence of bacterial blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, armyworm and blight incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 1,76,000** /-

Scientist's visit to chilli plot

Demonstration of yellow and blue sticky traps

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Doddanagappa S/o Dodda yellppa
Address Asundi, Rupanagudi Block Ballari Tq and District

Age: 58
Education: NIL
Size of land holding (in acre): 3

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sorghum	3.0	22.50	64125	31475
Total		**3.0**		**64125**	**31475**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Cotton	3.0	27	143100	97500	>100	>100
Total		**3.0**		**143100**	**97500**		**209.77**

Brief: The farmer used to get annual income of **Rs. 31475**/- from sorghum. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in sorghum With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in cotton with IDM approaches viz., Use of Trichoderma, pseudomonas, pest specific fungicide, he is getting annual income of **Rs 97500/-.**

Farmers scientists interaction on demonstration of IPM technology intervention in cotton

Cotton field after IPM intervention at DFI village

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Channabasannagouda
Address: Kenchatnahalli

Age: 65
Education: 9th standard
Size of land holding (in acre): 6.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	12.0	56400	26900
Field Crop 2	Maize	3.0	96.0	177600	108600
Hort. Crop 1	Onion	1.0	98.0	122500	76500
Total		**6.0**		**356500**	**212000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	3.0	105.0	189000	123500	9.37	13.72
Hort. Crop 1	Onion	1.0	112.0	151200	102200	14.28	33.59
Hort. Crop 2	Tomato	1.0	135.0	128250	69250	>100	>100
Sericulture	Mulberry	1.0	6.30	248850	143850	>100	>100
Total		**6.0**		**717300**	**438800**		**106.98**

Brief: The farmer used to get annual income of **Rs.212000** from Ground nut ,Maize and Onion. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and old variety in onion etc. With DFI interventions like diversification in crops like mulberry , introduction of high yielding variety Bhima Super, bioagents, use of vegetable special , IDM approaches for management of thrips and purple blotch disease in onion crop , introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato he is getting annual income of **Rs. 438800**

Advising ecofriendly management of sucking pests in mulberry cultivation

Demonstration of pheromone traps and lures for pinworm management in tomato

Name of farmer: Manjunathagouda S/o K.B Gouda
Address Asundi, Rupanagudi Block Ballari Tq and District

Age: 38
Education: High school
Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sorghum	3.0	22.50	59623	24,500
Field Crop 2	Maize	2.0	44.0	1,16,600	82950
Total		**5.0**		**176223**	**107450**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Cotton	5.0	60	3,36,000	2,31,000	>100	>100
Total		**5.0**		**3,36,000**	**2,31,000**		**114.98**

Brief: The farmer used to get annual income of **Rs. 107450/-** from sorghum maize production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in sorghum and Maize. With DFI interventions like use of pheromone traps and specific insecticides and application of micronutrient in cotton with IDM approaches viz., Use of Trichoderma, pseudomonas, pest specific fungicide/ insecticide, he is getting annual income of **Rs 2,31,000.**

IPM demonstrated cotton field under DFI

KVK scientists interacted on IPM technology with Cotton farmers

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Yamanurappa
Address: Kenchatnahalli
Age: 35
Education: 7th standard
Size of land holding (in acre): 5.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	2.0	12.0	55200	26500
Field Crop 2	Maize	1.0	31.0	57350	32850
Hort. Crop 1	Tomato	1.0	110.0	99000	48000
Hort. Crop 1	Onion	1.0	96.0	105600	66600
Total		**5.0**		**317150**	**173950**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	36.0	64800	38800	16.12	18.11
Field Crop 2	Onion	2.0	230.0	276000	172400	139.6	158.85
Hort. Crop 1	Tomato	1.0	126.0	113400	60400	14.54	25.83
Hort. Crop 2	Botttle gourd	1.0	145.0	174000	133000	>100	>100
Total		**5.0**		**628200**	**404600**		**132.59**

Brief: The farmer used to get annual income of **Rs.173950** from Ground nut ,Maize, tomato and Onion. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut, fall army worm ,leaf blight in maize ,old variety in onion lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions like diversification in crops like bottle gourd , introduction of high yielding variety Bhima Super, bioagents, use of vegetable special , IDM approaches for management of thrips and purple blotch disease in onion crop , introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato he is getting annual income of **Rs. 404600**

Multiple disease resistant hybrid Arka Rakshak

Paired row system of planting in bottle gourd

Name of farmer: Lakshmana S/o Naganagouda
Address: Shanavasapura, Sirguppa Tq Ballari District
Age: 40 Education: 5th standard
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	Cotton	2.0	16.5	1,08,200	38,200
Field Crop 2	Paddy	3.0	72.50	1,16,300	49,900
Total		**5.0**		**2,24,500**	**88,100**

2) Status in 2020

Component Description		Period 2020-21				% 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 DSR	1.0	24.5	41,700	22,200	-66.2	-55.5
Hort. Crop 1	Chilli	4.0	52.0	5,48,000	2,19,000	>100	>100
Total		**5.0**		**5,89,700**	**2,41,200**		**173.77**

Brief: The farmer used to get annual income of **Rs. 88,100** from paddy and Cotton cultivation. He faced problems of severe incidence of blast disease and brown plant hopper in transplanted paddy crop. In cotton pink bollworm and reddening incidence reduced the yield levels. With DFI interventions like IDM approaches in chilli viz., use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide and while in DSR paddy, use of less pesticides and bioagents , low water usage in paddy , he is getting annual income of **Rs 2,41,200**/-

Demonstration of Sticky traps in chilli plot

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Halesh S/o Sadakali
Address Asundi, Rupanagudi Block Ballari Tq and District
Age: 48
Education: High school
Size of land holding (in acre): 4

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Sorghum	3.0	24.5	75,500	42,000
Field Crop 2	Paddy	1.0	21.5	38700	22,200
Total		**4.0**		**114200**	**64200**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	1.0	23.5	42300	26300	9.30	18.46
Hort. Crop 1	Cotton	3.0	37.5	2,10;000	145000	>100	>100
Total		**4.0**		**252,300**	**171300**		**166.82**

Brief: The farmer used to get annual income of **Rs. 64200**/- from sorghum and transplanted paddy production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in sorghum and BLB and brown plant hopper incidence in paddy. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in cotton, while in paddy, crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, pest specific fungicide/ insecticide, he is getting annual income of **Rs 171300.**

IPM demonstrated cotton field at DFI village

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Halleppa
Address: Kenchatnahalli
Age: 51
Education: 9th standard
Size of land holding (in acre): 2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	6.50	31850	15050
Field Crop 2	Maize	1.0	38.0	66500	39000
Total		**2.0**		**98350**	**54050**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	40.0	68350	38500	5.26	-1.3
Hort. Crop 1	Onion	1.0	129.0	167700	113700	>100	>100
Total		**2.0**		**236050**	**152200**		**181.59**

Brief: The farmer used to get annual income of **Rs.54050** from Ground nut and Maize etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut , fall army worm ,leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management and micronutrient deficiency in crops etc. With DFI interventions like diversification of crops, introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop etc., he is getting annual income of **Rs. 152200.**

IPDM practices to management of thrips and purple blotch disease incidence in onion

Demonstration of high yielding variety Bhima Super in onion

Name of farmer: Shivaraj S/o Sharanabasavanagouda
Address: Bairapura, Sirguppa Taq Ballari Distric
Age: 43 yrs Education: High school
Size of land holding (in acre): 7.0

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	Cotton	3.0	22.50	1,69,700	98,300
Field Crop 2	Paddy	4.0	106.0	1,75,900	89,000
Total		**7.0**		**3,45,600**	**1,87,300**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Cotton	1.0	8.75	56,900	33,500	-61.1	65.9
Hort. Crop 1	Chilli	6.0	81.0	8,51,000	4,60,500	>100	>100
Total		**7.0**		**907900**	**4,94,000**		**163.75**

Brief: **Brief**: The farmer used to get annual income of **Rs. 1,87,300** from paddy and cotton cultivation. He faced problems of severe incidence of blast disease and brown plant hopper in transplanted paddy crop,in cotton he faced problems like pick boll worm,leaf reddening and low yield. With DFI interventions like growing of chilli crop production with IDM approaches viz., use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide and while he reduced cotton area and practiced IPM for pink boll worm in cotton with less pesticides, he is getting annual income of **Rs 4,94,000/-**

Demonstration of Yellow and blue sticky traps in chilli

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Somanathagouda S/o Veereshgouda
Address Shankarbhandai, Rupanagudi Block Ballari Tq and District
Age: 61
Education: Degree
Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5.0	145	3,10,000	154,000
Total		**5.0**		**3,10,000**	**154,000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Cotton	3.0	27.0	143100	97500	>100	>100
Horti, crop 1	Chilli	2.0	26.0	351,000	2,26,000	>100	>100
Total		**5.0**		**494100**	**323,500**		**110.06**

Brief: The farmer used to get annual income of **Rs. 154,000** from Maize. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in Maize. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in cotton with IDM approaches viz., Use of Trichoderma, pseudomonas, pest specific fungicide/ insecticdes and sticky yellow traps in chilli , he is getting annual income of **Rs 323,500.**

Demonstration of IPM Technologies in cotton At DFI village

Cotton field after IPM intervention

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer: Eshanna
Address: Kenchatnahalli
Age: 59
Education: 6th standard
Size of land holding (in acre): 4.0

1) Before intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Ground nut	1.0	7.0	32550	15750
Field Crop 2	Maize	2.0	64.0	112000	54000
Hort. Crop 1	Tomato	1.0	117.0	105300	52800
Total		**4.0**		**249850**	**122550**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	38.0	68400	41900	-40.6	-22.4
Hort Crop 1	Tomato	1.0	131.0	144100	86100	11.96	63.08
Hort. Crop 2	Chilli	1.0	14.0	189000	111000	>100	>100
Hort. Crop 3	Okra	1.0	65.0	91000	53000	>100	>100
Total		**4.0**		**492500**	**292000**		**138.27**

Brief: The farmer used to get annual income of **Rs. 122550** from Ground nut, maize and Tomato etc. He faced problems like cultivation of old variety ,Collar rot, leaf minor in ground nut and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions ,diversification of crops like okra ,introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato, introduction of new hybrid UASRCH42 in chilli and introduction of new variety Phule Vimukta in okra, he is getting annual income of **Rs. 292000.**

Demonstration of pheromone traps and lures for pinworm management

Introduction of high yielding variety Phule Vimukta resistant to YVMV in okra

Effect of DFI intervention

Name of KVK:ICAR-KVK,Hagari, Ballari District

Name of farmer: A.Swamy S/o Pandurangappa
Address:Bairapura village Siruguppa Taluk Ballari district.
Age: 47 years
Education: 10th standard
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/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	10	220	354000	124000
Total		**10**		**354000**	**124000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	Income
Field Crop 1	Paddy	6	150	240000	102000	31.8	-17.7
Hort. Crop 2	Chilli	4	60	720000	401500	>100	>100
Total		**10**			**503500**		**306.05**

Brief: The farmer used to get annual income of **Rs.124000** from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc., he is getting annual income of **Rs.503500.**

Pseudomonas bio intensification for Sheath blight management in paddy

IDM approaches in chilli

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Name of farmer: Obleshappa S/o Balappa Address: Joladarasi Rupanagudi Block Ballari Tq and District
Age: 48
Education: SSLC
Size of land holding (in acre): 6

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	47.0	1,30,650	83,150
Field Crop 2	Chickpea	4.0	24.0	84,000	58,000
Total		**6.0**		**214650**	**1,41,150**

2) Status in 2020

Component Description		Period 2020-21				% 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	2.0	52.00	1,37,800	95,300	10.63	14.61
Hort. Crop 1	Chilli	4.0	60.0	4,78,000	2,32,000	>100	>100
Total		**6.0**		**615800**	**3,27,300**		**131.88**

Brief: The farmer used to get annual income of **Rs. 1,41,150/-** from maize and chickpea crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in maize and pod borer and wilt complex in chickpea crop. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in maize, while in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 3,27,300/-**

Demonstration of IPM Technologies in chilli At DFI village

Chilli crop view after IPM intervention under DFI

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Farmer:Gurumurthy
Address: Kenchatnahalli
Age: 53
Education: 11th standard
Size of land holding (in acre): 4.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	64.0	121600	63600
Hort Crop 1	Tomato	1.0	110.0	121000	62500
Hort. Crop 2	Bottle gourd	1.0	128.0	115200	74200
Total		**4.0**	**302.0**	**357800**	**200300**

2) Status in 2020

Component Description		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	Onion	1.0	128.0	140800	91800	>100	>100
Hort. Crop 2	Tomato	1.0	136.0	163200	101700	23.60	62.72
Hort. Crop 3	Bottle gourd	1.0	142.0	127800	85300	10.95	37.06
Hort. Crop 4	Chilli	1.0	16.5	234300	139300	>100	>100
Total		**4.0**	**422.5**	**666100**	**418100**	**39.90**	**108.74**

Brief: The farmer used to get annual income of **Rs 200300** from maize, bottle gourd and Tomato etc. He faced problems like cultivation of old variety fall army worm and leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management, old variety ,crook neck and gummy stem blight in bottle gourd etc. With DFI interventions ,diversification of crops like chilli ,introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato, ,introduction of high yielding variety Bhima Super and IDM approaches for management of thrips and purple blotch disease in onion crop and introduction of new hybrid UASRCH42 in chilli, he is getting annual income of **Rs. 418100.**

Comparison of UASRCH2 chilli hybrid with local cultivar during growth

Advised use of growth regulators to alter sex expression and enhance yield in bottle gourd

Effect of DFI intervention

Name of KVK:ICAR-KVK,Hagari, Ballari District

Name of farmer: Gangadhar S/o Doddabasappa
Address: Shanavasapura village Siruguppa Taluk Ballari district.
Age: 47 years
Education: 10th standard
Size of land holding (in acre): 5 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	5	142	3,10,000	1,55,000
Total		**5**		**3,10,000**	**1,55,000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Cotton	3.0	27.0	143200	98000	>100	>100
Horti, crop 1	Chilli	2.0	26.0	351,200	2,28,000	>100	>100
Total		**5.0**		**494400**	**326,000**		**110.32**

Brief: The farmer used to get annual income of **Rs. 155,000**/- from Maize. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in Maize. With DFI interventions like use of pheromone traps and specific fungicides and micronutrient in cotton with IDM approaches viz., use of Trichoderma, pseudomonas, pest specific fungicide/ insecticides and sticky yellow traps in chilli , he is getting annual income of **Rs 326000/-.**

Scientists examining chilli and cotton plots of farmer

Name of farmer: Name of farmer: Srinivasulu S/o Balappa
Address: Joladarasi Rupanagudi Block Ballari Tq
Age: 52

EducationPUC
Size of land holding (in acre): 6

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	6.0	156	3,90,000	182500
Total		**6.0**		**3,90,000**	**182500**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	6.0	60.0	7,20,000	3,65,000	100	100
Total		**6.0**		**7,20,000**	**3,65,000**		**100**

Brief: The farmer used to get annual income of **Rs. 182500/-** from maize crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in maize. With DFI interventions in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 3,65,000/-**

Adopted border cropping and sticky traps in chilli for pest management

Chilli crop view after IPM intervention

Effect of DFI intervention **Name of KVK: : ICAR-KVK,Ballari**

Name of farmer:Hanumanthappa

Address: Kenchatnahalli
Age: 61
Education: 5th standard
Size of land holding (in acre): 3.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	62.0	117800	61300
Hort Crop 1	Tomato	1.0	113.0	101700	56700
Total		**3.0**		**219500**	**118000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Maize	1.0	39.0	72150	43400	-37.1	-29.2
Hort Crop 1	Onion	1.0	128.0	115200	69200	>100	>100
Hort. Crop 2	Chilli	1.0	16.0	216000	130000	>100	>100
Total		**3.0**		**403350**	**242600**		**105.59**

Brief: The farmer used to get annual income of **Rs. 118000** from maize and Tomato etc. He faced problems like cultivation of old variety fall army worm and leaf blight in maize and lack of knowledge on use of bio agents in pest and disease management, method of training and micronutrient deficiency in tomato etc. With DFI interventions ,diversification of crops like okra ,introduction of multiple disease resistant hybrid Arka Rakshak, bioagents, use of vegetable special , pheromone traps and lures for pinworm management ,stalking in tomato and introduction of new hybrid UASRCH42 in chilli, he is getting annual income of **Rs. 242600**.

Assessment of UASRCH2 chilli hybrid with local cultivar during growth stage

Name of farmer: Name of farmer: Gaadlingappa S/o Balappa Address: Joladarasi Rupanagudi Block Ballari Tq and District
Age: 46
Education: BA
Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	3.0	102	2,85,600	1,07,100
Field Crop 2	Chickpea	2.0	12	45600	28600
Total		**5.0**		**331200**	**1,35,700**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	5.0	65	7,47,500	326500	>100	>100
Total		**5.0**		**7,47,500**	**326500**		**140.60**

Brief: The farmer used to get annual income of **Rs. 1,35,700/-** from maize and chickpea crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in maize and pod borer and wilt complex in chickpea crop. With DFI interventions in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 3,26,500/-**

KVK scientists interacted with DFI farmer

IPM adopted farmer at his field

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Name of farmer: Bheemelinga S/o ShivalingA Address: Kaggallu, Rupanagudi Block Ballari Tq and District
Age: 46
Education: BA
Size of land holding (in acre): 8

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Chickpea	5.0	30	108000	42,800
Field Crop 2	Sorghum	3.0	18.0	50,400	20,500
Total		**8.0**		**158400**	**63,300**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field. Crop 1	Chilli	8.0	245	4,86,000	2,54,000	>100	>100
Total		**8.0**		**4,86,000**	**2,54,000**		**301.26**

IPM intervention in chilli

Effect of DFI intervention

Name of KVK:ICAR-KVK,Hagari, Ballari District

Name of farmer:Shekhar S/o Mallappa
Address: Kyadagihal, Kurugodu Taluk ,Ballari district.
Age: 42 years
Education: 10th standard
Size of land holding (in acre): 4 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Cotton	2.0	16.5	1,08,200	38,200
Field crop 2	Paddy	2.0	48.3	77,530	33260
Total		**4.0**		**185730**	**71460**

2) Status in 2020

Component Description		Period 2020-21				% 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 DSR	1.0	24.5	41,700	22,200	-49.3	-33.3
Hort. Crop 2	Chilli	3.0	39.0	4,11,000	164250	>100	>100
Total		**4.0**		**452700**	**186450**		**160.91**

Brief: The farmer used to get annual income of **Rs. 71460** from growing paddy and cotton. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc.,and also DSR paddy cultivation method he is getting annual income of **Rs.186450.**

IDM approaches in chilli

Effect of DFI intervention **Name of KVK:ICAR-KVK,Hagari, Ballari District**

Name of farmer:Hanumantappa S/O Nakappanavara Basappa
Address:Genikihal village Kurugodu Taluk , Ballari district.
Age: 50 years
Education: 5th standard
Size of land holding (in acre): 3 acres

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field. Crop 1	Paddy	3.0	63	99200	34100
Total				**99200**	**34100**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	income
Field Crop 1	Paddy	1.5	32	48000	17400	1.58	2.05
Hort. Crop 2	Chilli	1.5	34	54400	19900	>100	>10
Livestock 1	Buffalo	1	1200	60000	42000	.100	>100
Total				**162400**	**79300**		**132.55**

Brief: The farmer used to get annual income of Rs. 34100 from growing paddy alone. He was suggested to grow chilli. With DFI interventions like IDM approaches like use of trichoderma, pseudomonas, sticky yellow and blue traps, disease/pest specific pesticides etc.,and also by including dairy animal in his farm he is getting annual income of Rs. 79300.

Disease and pest control in paddy

Use of Sticky traps in Chilli

Effect of DFI intervention **Name of ICAR, KVK Ballari**

Name of farmer: Name of farmer: Hampanagouda S/o Mahantgouda
Address: Genikihal , Sirguppa Tq, Ballari District
Age: 52
Education: BA
Size of land holding (in acre): 5

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	3.0	72.0	1,26,000	70,400
Field Crop 2	Maize	2.0	64.0	1,15,200	71,700
Total		**5.0**		**2,41,200**	**1,42,100**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	3.0	45.0	6,075, 00	3,42,500	>100	
	DSR paddy	2.0	51.0	94,350	58,500	-29.2	-15.9
Total		5.0		701850	4,01,000		182.19

Brief: The farmer used to get annual income of Rs. 1,42,100 from transplanted paddy and maize crop production. He faced problems like blast and BPH incidence in paddy, while fall army worm, leaf blight and severe nutrient deficiency in maize. With DFI interventions of IPM and IDM in paddy and chilli crop production with approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of Rs 4,01,000.

IPM intervention in chilli for better growth and yield

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Gaadlingappa S/o Balappa
Address: Genakihal Kurugod Tq Ballari District

Age: 42
Education: SSLC
Size of land holding (in acre): 4

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	4.0	130	2,37,600	1,52,000
Total		**4.0**		**2,37,600**	**1,52,000**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Hort. Crop 1	Chilli	4.0	52	6,50,000	3,45,000	100	100
Total		**4.0**		**6,50,000**	**3,45,000**		**126.97**

Brief: The farmer used to get annual income of Rs. **1,52,000/-** from maize crop production. He faced problems like fall army worm, leaf blight and severe nutrient deficiency in maize. With DFI interventions in chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide, he is getting annual income of **Rs 3,45,000/-**

Chilli crop view after IPM intervention

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: A. Maheshkumar s/a mallikarjuna
Address: Yarrangali I, Block Ballari Tq and District
Age: 34

Education: High school
Size of land holding (in acre): 8.0

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	4.0	144	2,59,200	1,75,200
Field Crop 2	Paddy	4.0	92.0	1,93,200	1,19,200
Total		**8.0**		**4,58,400**	**2,94,400**

2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 2	Paddy DSR	3.0	75.0	1,35,000	81,000	>100	>100
Hort. Crop 1	Chilli	5.0	75.0	1,012,500	6,30,000	>100	>100
Total		**8.0**		**1147500**	**7,11,000**		**141.51**

Brief: The farmer used to get annual income of **Rs. 2,94,400/-** from transplanted paddy and Maize crop He faced problems of severe incidence of sheath blight disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, fall army worm incidence and leaf blight incidence reduced the yield levels. With DFI interventions like Introduction of direct seeded rice, use of Bioagent *Pseudomonas, Metarahizium, Beauvaria and Verticillium* for pest and disease management with limited use of water usage in paddy cultivation. While in other side growing of chilli crop production with IDM approaches viz., Use of Trichoderma, pseudomonas, sticky yellow and blue traps, use of pest specific fungicide/ insecticide , he is getting annual income of **Rs 7,11,000.**

Farmer practicing ICM technology in chilli

KVK scientists interaction

Effect of DFI intervention **Name of KVK ICAR, KVK Ballari**

Name of farmer: Anjineyappa S/o U. K. Dyavanna
Address: Dasapura, Sirguppa Tq Ballari District
Age: 45 Education: SSLC
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	2.0	57	94500	57,500
Field Crop 2	Paddy	3.0	70	1,16,325	50,325
Total		**5.0**		**172125**	**1,07,825**

2) Status in 2020

Component Description		Period 2020-21				% 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	1.0	33.0	59400	42900	-51.6	-55.8
Hort. Crop 1	Chilli	4.0	44.0	418000	178000	>100	>100
Total		**5.0**		**473800**	**2,20,900**		**104.87**

Brief: The farmer used to get annual income of **Rs.1,07,825** from transplanted paddy and Maize cultivation. He faced problems of severe incidence of blast disease and brown plant hopper incidence in transplanted paddy crop and felt too much expenditure in transplanted paddy system, further in maize, armyworm and blight incidence reduced the yield levels. With DFI interventions like growing of chilli crop production with IDM approaches viz., Use of *Trichoderma, pseudomonas*, sticky yellow and blue traps, use of pest specific fungicide/ insecticide and use of pheromone traps and timely specific pesticides in maize , he is getting annual income of **Rs 2,20,900**/-

ICAR KVK scientists advising IPM technologies in chilli to farmers

DFI farmer adopted ICM technology in chilli for pest management

Effect of DFI intervention

Name of KVK: ICAR, KVK Ballari

Name of farmer: Mallikarjun D S/o Rudrappa

Address: Shridharagadde Ballari Tq and District

Age: 35

Education: Diploma in Agriculture

Size of land holding (in acre): 4

3) Before Intervention

Component Description		Benchmark (Baseline period 2017-18)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Maize	2.0	65.0	104000	56500
Field Crop 2	Paddy	2.0	44.0	79200	37200
Total		**4.0**		**1,83,200**	**93,700**

4) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy (DSR)	2.00	52.0	93600	63,600	18.18	71.0
Hort. Crop 1	Chilli	2.00	26.0	286000	146000	>100	>100
Total		**4.0**		**3,79,600**	**2,09,600**		**123.69**

Brief: The farmer used to get net annual income of **Rs. 93,700**/- from Maize and Paddy. He faced problems like low yields and higher cost of production due to pest and diseases in maize (fall army worm, charcoal rot) and paddy (BPH, blast and blight disease incidence). With DFI interventions like cultivation of paddy through DSR method, following IPM, IDM and ICM practices in chilli *viz.,* use of bio-agents, pheromone traps, sticky traps, micronutrients and effective chemical pesticides timely helped in getting net annual income of **Rs. 2,09,600/-.**

IPDM demonstration in chilli

Field visit to DSR plot after DFI intervention