

## Effect of DFI intervention

**Name of Institute: ICAR-IIFSR,  
Modipuram, Meerut, 250110**



**Name of farmer : Vishan Singh**  
**Address : VeerpurTara, Post office : Haldua ,  
Ramnagar, Nainital**  
**Mobile Number: : 9639129308**  
**Age : 50 years**  
**Education : Nil**  
**Size of land holding : 3 acre  
(in acre)**

### 1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Wheat PBW 154	0.3	60	102000	72000
Field Crop 2	Paddy HKR 47	0.3	75	109500	73500
Hort. Crop 1	Mango	1 Tree	01	10000	8000
Hort. Crop 2	Guava	1 Tree	01	15000	12800
Livestock 1	Cow (Local)	01	1200	36000	34000
Other enterprise (Specify)	Nutritional KG	0.07	1.4	2800	2500
<b>Total</b>		<b>6.07</b>	<b>138.4 Q/1200 litres</b>	<b>275300</b>	<b>202800</b>

### 2) Status in 2020

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Wheat HD 3086	01	25	47500	37500	20	36.0
Field Crop 1	Wheat HD 2967	01	26	51350	41350	23.07	41.9
Field Crop 1	Wheat DBW 173	01	22	43450	33450	9.09	28.25
Field Crop 2	Paddy 1718	2.84	60	168000	138250	-19.04	51.7
Field Crop 3	Lentil (PL 8)	0.08	50	4000	3500	100	100
Field Crop 4	Black gram (PU 31)	0.08	60	9000	8000	100	100
Hort. Crop 1	Mango	1 Tree	01	10000	8000	-	-
Hort. Crop 2	Guava	2 Tree	02	30000	26800	-	-
Livestock 1	Cow (Local)	01	1440	43200	40200	16.66	15.42
Other enterprise (Specify)	Nutritional KG	0.07	1.8	3600	3100	22.22	19.35
<b>Total</b>		<b>6.07</b>	<b>187.8</b>	<b>410100</b>	<b>340150</b>	<b>272.0</b>	<b>392.6</b>

**Brief:** The farmer used to get annual income of Rs. 202800/- from paddy wheat, fruits (mango, guava) etc. He faced problems like unavailability of good quality seeds/planting material, lack of technical knowledge related to farming, etc. With DFI interventions like high yielding varieties, IPM, crop diversification, balanced animal feed, nutritional kitchen gardening, etc., he is getting annual income of Rs 3,40150/-. In addition, there is cost saving of Rs. 2250/- and 1450/- by using IPM techniques and improved tools respectively.



Application of pheromone traps in paddy



Nutritional Kitchen gardening