

D. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

1. Crop diversification: Cultivation of horticultural crops

- Name : Bhagiya Atul Laxmanbhai
- Village : Haripar, Ta –Tankara, Dist. Morbi
- Age : 32 Years
- Mobile No. : 9998884488
- Education : 11th pass
- Total land (ha) : 5.60



Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (ha)	Production (Quintal)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Groundnut (GG-20)	3.60	73	312000	171000
Field Crop 2	Cotton (Bt.)	2.00	41	180000	91000
Field Crop 3	Chick pea (GJG-3)	1.60	38	165500	90500
Field Crop 4	Wheat (GW-496)	2.00	42	63000	28000
Total				720500	380500

After Intervention

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (ha)	Production (Quintal)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Groundnut (GJG-22)	3.60	88	407000	239000	20.55	39.77
Field Crop 2	Cotton (Bt.)	2.00	52	234000	132000	26.83	45.05
Field Crop 3	Chick pea (GG-5)	4.00	98	431000	272000	157.89	200.55
Hort. Crop 1	Water Melon (kiran-2)	2.00	362	524000	312000	-	-
Hort. Crop 2	Cumin (GC-4)	1.60	16.5	206000	121000	-	-
Total				1435700	1076000		182.79

The farmer used to get annual income of **Rs. 380500/-** from groundnut, cotton, chick pea and wheat. Atulbhai growing field crops like groundnut, cotton, wheat so he has limited income from this crop and due continuous mono cropping pest disease problem like pink boll worm and stem rot in this crop. With DFI interventions like, he adopted new variety of these crops and also some he grow water melon with drip irrigation and mulching so he got good revenue from this crop also increase yield in field crop due to adoption of new variety. He is getting annual income of

Rs.1076000/-. In addition, there is cost saving of **Rs. 386000 /-** in the production of groundnut, cotton, water melon, cumin and chick pea.



Water melon at farmers field



Water melon production at farmers field



Selling water melon at his farm and road side



2. Modern approach to horticultural farming

- Name : Dineshbhai Bhikhabhai Bhorania
- Village : Juna Devalia , Ta –Halvad, Dist. Morbi
- Age : 42 Years
- Mobile No. : 9974660261
- Education : 12th pass
- Total land (ha) : 6.00



Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (ha)	Production (Quintal)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Cotton	4.00	76	334500	178500
Field Crop 2	Black gram (GU-1)	1.60	16	98000	62000
Hort. Crop 1	Pomegranate (Bhagvo)	2.00	-	-	-
Total				432500	240500

Ather Intervention

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (ha)	Production (Quintal)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Cotton	4.00	77	346500	192500	1.31	7.8
Hort. Crop 1	Pomegranate (Bhagvo)	2.00	162	433200	298500	-	-
Total				779700	491000		104

The farmer used to get annual income of **Rs. 240500/-** from Cotton, Pomegranate, Black gram. He faced problems like, low productivity of Cotton due to pest and disease, also limitation of yield in field crop. Dineshbhai shifted and spare some area of land for horticultural crop like pomegranate. This crop is suitable for this semi arid region. He got good yield and quality and succeed for their income double within five year. He is getting annual income of **Rs. 491000/-**. In addition, there is cost saving of **Rs. 96700/-** in the production of Cotton, Pomegranate.



Pomegranate crop at farmers field

3. Organic farming and value addition

- Name : Ami Ahmed Kadivar
- Village : Pipaliya Raj, Ta – Wankaner, Dist. – Morbi
- Age : 56 years
- Mobile No. : 9725622575
- Education : Draft men Civil
- Total land (ha) : 3.50



Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (ha)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Cotton + Fodder (inter crop)	8.75 ha	63.0 Q	285500	165000
Livestock 1	Buffallow (Desi)	1 No	1350 Lit.	65000	32000
Total				350500	197000

After Intervention

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Pigeon pea (GJP-1)	3 Acre	36 Q	189500	110000	-	-
Field Crop 2	Cotton + Fodder	4.75 Acre	32 Q	169000	99000	-0.93	10.5
Hort. Crop 1	Turmeric	1 Acre	96 Q	302000	205000	-	-
Livestock 1	Buffallow (Desi)	1 No	1420 Lit.	71000	41000	5	9.2
Total				731500	455000		130

The farmer used to get annual income of **Rs. 197000/-** from Pigeon pea, Cotton, live Stock . He faced problems like Pink boll worm in cotton, low productivity of cotton, etc. With DFI interventions like He adopted new crop Turmeric in organic farming and also grinding at home (value addition) and sale Turmeric powder and 50% as a seed. He is getting annual income of **Rs. 455000/-**. In addition, there is cost saving of **Rs. 123000/-** in the production of Turmeric, Cotton, Live Stock, Pigeon Pea.



Turmeric organic farming



Cotton crop at farers field