

Success Stories / Case studies

1. New Entrepreneur in Agriculture : Honey bee farming

- Name :- Kamleshbhai Patel
- Village :- Halvad, Tal. Halvad, Dist. Morbi
- Age :- 46 years
- Mobile No. :- 9998868777
- Education :- B.Com
- Total land :- 3.2 ha.



Kamleshbhai belongs to village Akhiyala of Morbi district. he is having farm in his village but the quality of soil & water is very poor. he was cultivating cotton crop under rainfed condition but the returns from the rainfed cotton crop was very less.

He attended a training program on honeybee farming at K.V.K.Morbi and got interested in it. Then he visited many honey producers at Baroda, Himmatnagar & Junagadh then he shifted to a town Halvad. And started honeybee farming. Initially he purchased 50 honeybee boxes & kept them near Ajwain & Funnel farm. He found that he was getting honey of different flavours. Observing good results next year he purchased 150 honeybee boxes and established extraction machine as well as a small filter plant at his home. He started packing with brand name “Navodaya honey” now he is getting good income from honeybee farming as compared to traditional farming.

Sr. No.	Particular of farming	Area	Production Kg	Gross Income	Net Income
1	Cotton (Before honey bee farming)	3.2 ha.	5600	258800/-	139500/-
2	Honey bee rearing	200 Box	2200	1320000/-	595000/-

Selling price of honey Rs. 600/Kg



2. Crop diversification : Date palm farming

- Name :- Nileshbhai Bapodaria
- Village :- Tikar, Ta. Halvad, Dist. Morbi
- Age :- 49 years
- Mobile No. :- 7069927220
- Education :- 12
- Total land :- 2.5 ha.



Nileshbhai is an innovative farmer of village Tikar(Morbi). The soil & water quality of his farm (near small desert of kutch) is very poor. He was cultivating only cotton as per his farm condition. Due to continuous mono cropping the productivity of cotton & his net income decreased year by year. As per the suggestion by K.V.K. scientists he planted date palm in 2.5 ha in his farm in 2016. During first 3 years he earned low income by taking black gram , green gram & cumin as intercrop. Since 2020, date palm began to bear fruits yielding 40-50 kg/plant. Due to which returns are good. He also started packing of date palm and selling them with his own brand.

Looking his success, the other farmers of his village started date palm cultivation.

Sr. No.	Particular of farming	Area (ha)	Production Kg	Gross Income	Net Income
1	Cotton (Before)	3	3100	285000/-	141000/-
2	Date palm (Now)	3	17000	850000/-	482000/-

3. Modern approach to vegetable farming

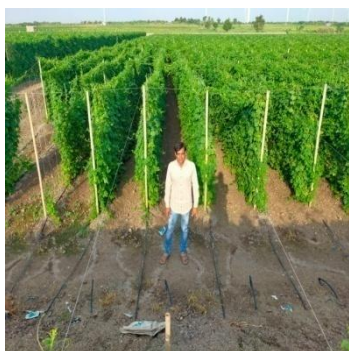
- Name :- Shekh Sikandar M.
- Village :- Tithva, Ta. Wankaner, Dist. Morbi
- Age :- 42 years
- Mobile No. :- 9979597083
- Education :- 10
- Total land :- 1.7 ha.



Sikandarbai is a progressive farmer of village Tithava of Wankaner taluka. He was cultivating cotton and vegetable on his farm traditionally. He attended training programs on vegetable cultivation (olericulture) at KVK, Targhadia and Morbi. He decided to grow vegetables scientifically and changed his cropping pattern.

Sikandarbai installed drip irrigation system at his farm for cultivation of chilly and cucurbits by adopting mulching. He also made mandap system for bitter gourd and telephonic system for tomato vegetable crop along with drip irrigation. By adopting these scientific techniques in vegetables, he obtained higher yield and best quality of vegetables by which he earned double income last year as compared to traditional method of cultivation of vegetables. During last year nearly 200 farmers visited his farm and they got encouraged for vegetable farming.

Sr. No.	Particular of farming	Area (ha)	Production Kg	Gross Income	Net Income
1	Cotton (Bt.)	0.8	1650	73500	41000
2	Brinjal	0.4	6200	99200	67500
3	Cucumber	0.4	5100	86500	66000
					174500
	After				
1	Bitter guard (Mandap system)	0.6	16200	212000	151500
2	Chilly (Mulching)	0.6	11900	182000	121500
3	Tomato (Telephonic + drip system)	0.5	12900	216000	122000
					395000



4. Modern approach to horticulture farming

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



Dineshbhai is a progressive farmer of village Juna Devalia of Halvad taluka. He was cultivating Cotton, Pomegranate, Black gram on his farm traditionally. He faced problems like, low productivity of Cotton due to pest and disease, also limitation of yield in field crops.

He attended training programs on cultivation of horticultural crops at KVK, Morbi. 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 succeeds for their income near double within five year.

Sr. No.	Particular of farming	Area (ha)	Production (Quintal)	Gross Income	Net Income
1	Cotton (before)	4.00	76	334500	178500
2	Blackgram (GU-1) (before)	2.00	20	122000	77000
	Total			456500	255500
1	Cotton (after)	4.00	77	346500	192500
2	Pomegranate (After)	2.00	162	433200	298500
	Total			779700	491000



Pomegranate crop at farmers field

5. 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 5.60



Atulbhai is an innovative farmer of village Haripar of district Morbi. 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 as well as productivity of these crops & his net income decreased year by year.

As per the suggestion by K.V.K. scientists, he grow cumin 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 high remunerative crop. He is getting annual income of **Rs.459000/-**.

Particular of farming	Area (ha)	Production (Quintal)	Gross Income (Rs.)	Net Income (Rs.)
Before				
Groundnut (GG-20)	3.60	73	312000	171000
Cotton (Bt.)	2.00	41	180000	91000
Total			492000	262000
After				
Water Melon (kiran-2) with drip+mulch	2.00	362	524000	312000
Cumin (GC-4)	3.60	36.5	449000	147000
Total			973000	459000



Water melon at farmers field



Water melon production at farmers field



Selling water melon at his farm and road side



6. Crop diversification: Cultivation of horticultural crops

- Name : Jaydip Dilipbhai Patel
- Village : Malaniyad, Ta – Halvad, Dist. – Morbi
- Age : 30 years
- Mobile No. : 9925493450
- Education : MBA
- Total land (ha) : 20



Jaydipbhai is a progressive farmer of village Malaniyad of Halvad taluka. He growing field crops like Cotton, Groundnut etc. He faced problems like pink boll worm in cotton and white grub in groundnut so he has limited income from these crops as a result productivity of these crops & his net income decreased year by year.

He attends many trainings organized by KVK, Morbi and learn from our whatsapp group “Parishram group for farmer”. He grow new crop Banana and succeed in this aria of Halvad taluka near desert of small desert of Kutch, He also use *Trichoderma* *Pseudomonas* and Jivamrut in Cumin for Blight and wilt disease. Jaydipbhai adopt IPM technology in Cotton and groundnut crop. He is getting annual income of **Rs. 1974000/-**.

Names	Area (ha)	Production (Quintal)	Gross Income (Rs.)	Net Income (Rs.)
Before				
Cotton (Bt.)	11.2	212	936500	489000
Groundnut (TAG-37)	8.8	188	854000	457000
Total			1790500	946000
After				
Banana	3.2	632	1264000	795000
Cumin (GC-4)	16.8	147	1852000	1179000
Total			3116000	1974000



Pomegranate at Farmers field (Jaydipbhai and his father)



KVK scientist visited his field

7. Crop diversification : Horticultural crops

- Name Dhedhi Sanjaybhai Harjibhai
- Village Mitana, Ta-Tankara, Dist.-Morbi
- Age 34 years
- Mobile No. 9712999599
- Education 10th Pass
- Total land 1.60 ha



Sanjaybhai Dhedhi is a progressive farmer with 1.60 ha of land holding. Sanjaybhai getting normal income from field crops like groundnut, cotton, chick pea, cumin but due to price fluctuation and pest problem in this crop. Sanjaybhai shifted to horticulture crops like watermelon and papaya with advance farming technology. He installed drip irrigation with plastic mulch in water melon crop. He got good yield and quality production, so he earns good revenue from small land. He is getting annual income of **Rs. 459000/-**.

Sl. No.	Particular of farming	Area (ha)	Production (kg)	Gross Income	Net Income
1	Water Melon (Kiran -1)	1.00	21500	428000	288000
2	Papaya (Taivan)	0.60	11900	311000	171000
	Total			739000	459000



Water melon at farmers field



Papaya at farmers field

8. Crop management : IPM, Drip, New varieties

- Name :- Bhagiya Gordhanbhai Mavjibhai
- Village :-Haripar , Tahsil –Tankara, Dist. Morbi
- Age :- 68 years
- Mobile No. :- 9723478703
- Education :- 2nd Standard
- Total land :- 4.80 ha.



Gordhanbhai is an innovative farmer of village Haripar (Tankara). He faced problems like Stem rot problem in Groundnut GG-20, pink boll worm problem in cotton, lower price of Agriculture product. They select new Groundnut variety GJG-22 and also use IPM for pest management, shift some area in to vegetable crop like chilly with drip irrigation, also change the chick pea variety for getting higher yield (GJG-5) all over his goal to increase his income and he succeed to achieved his goal. He is getting annual income of Rs. 769500/-.

Sr. No.	Particular of farming	Area (ha)	Production (kg)	Gross Income (Rs.)	Net Income (Rs.)
1	Groundnut (GJG-22)	1.60	3650	169000	99500
2	Cotton (Bt.)	1.68	3700	166000	89000
	Chilly (Sanya)	1.52	29100	598000	412000
	Chick pea (GJG-5)	1.60	5800	266800	169000
	Total			1199800	769500



Drip irrigation in Chilly crop at farmers field

9. Plastic Mulching

Name	: Shivabhai Maravaniya
Address	: To, Rajpar
Age	: 50 year
Education	: 10th Pass
Source of Income	: Plastic Mulching



Shri Shivabhai is a hardworking, inside knowledge of agriculture and innovate farmer of village Rajpar. Last year (2018) he used plastic mulch in Muskmelon crop provided by college of Agriculture Engineering & Technology through KVK , Morbi in 1 acre area. During Kharif - 2018 only 178-mm rainfall was received at Rajpar due to which very limited water is available in the open well. Which run only 40-45 minutes. But due to plastic mulching no moisture stress was observed and he has harvested double production with good quality of sweet melon.

	Mulching	Without Mulching
Production	3200 kg / acre	1850 kg / acre
Price	Rs.45 / kg	Rs.38 / kg
Income	144000 / acre	66600 / acre
Cost of Cultivation	46000 / acre	32000 / acre
Net Profit	Rs.98000/-	Rs.34600/-



10. Successful White Onion Cultivation

Name	: Prabhubhai Jivarajbhai Barasara
Address	: To, Jodhpar Nadi
Age	: 60 year
Education	: 11th Pass
Source of Income	: Cultivation Farming



Prabhubhai is a business minded farmer and belongs to near by village of jodhpur (river). he is cultivating the crop technically working to requirement of the market before taking crop he performed soil analysis of the farm and as per the requirement of the onion he is applying fertilizer. He is NHRAF and apply their suggestion in this farm.

last year he harvested an average production of 19000 kg of white onion in one acre he sold 50% of production Rs.240/- 20 kg and remaining 50% of his production he has stored in his own storage mela and later he sold at Rs.265/- 20kg and earned Rs. 251750/- acre. the cost of cultivation of white onion is Rs. 86,000/- and earned a net profit of is 165750/- per acre.



11. Doubling Of Farm Women Income Through Dairy Farming

Name	: Pragnaben Uttambhai Dubariya
Address	: To, Rupavati Society ,“Laxmi Narayan”, Tankara.
Date of Birth	: 08/09/1984 Age : 32 year
Education	: 10th Pass
Source of Income	: Dairy Farming & Farming (Last three year)



The vision of Hon'ble prime minister Mr. Narendra Modi to double the farmers' income by 2022 inspired multiple farmers and their families to move forward and empower their economic growth. Mrs. Pragnaben Uttambhai Dubariya (who belongs to taluka Tankara district Morbi) realized the importance of the vision and thought to give a start to dairy farming as it is associated with farming which is a primary source of income for her family. She started to utilize her time in dairy farming from other household work to generate more income for her family rather than solely dependent upon farming.

In 2017, she started with 1 buffalo with the purpose of dairy farming and later she owned 3 cows. Currently, in 2019 she has 25 cattle which includes 9 cows, 6 buffalos and 10 calves. She also helps her husband in farming and uses animal dung as organic fertilizer in her farm. This helps to fertilize soil in an organic way and saves the cost of chemical fertilizers. That's how she gives invaluable support in farming and dairy farming.

1. Land Holding (ha.) - From the farming in 6.5 ha. she makes profit of **Rs.5,00,000 per year**

2. Utility of Innovation/GAPs :

Her dairy farming she contributes 180 liters of milk per day on the rate of Rs.40/- per liter which gives her a daily income of Rs.7,200/- and monthly income of Rs. 2,16,000/-. She has a monthly expense or around Rs. 58,000/- and after all deductions she makes profit or Rs. 1,58,000/- per month.

No.	Year	Cattle	Milk Cattle	Income (One Month)	Expenditure of (one month)	Employed Salary (4 Em.) (one month)	Total Profit (One Month)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	2019	25	15	216000/-	43000/-	15000/-	158000/-

With the help of such monthly profit, she purchased a new land and currently looking for purchasing a better living space.

3. Spread of Innovation/GAPs :-

By seeing her success story, other women in the surrounding areas are inspired and visited her dairy farm to understand how they can also boost up their economic growth.

She has been honored by the prize of Rs. 20,000 to score 3rd rank in highest contribution of the milk in Mayur Cooperative Dairy in Morbi for year 2019.



12. Farmers doubling income through crop diversification – through Palma Rosa Grass

1. **Name** :- Prabhubhai Ghodasara
2. **Address** :- Sajanpar , Ta. :- Tankara ,
Dist. :- Morbi
3. **Date of Birth :-** 27-10- 1955
4. **Education** :- 5th Standard Pass
5. **Source of Income** :- Farming Palma Rosa



Brief information about an individual

Prabhubhai Ghodasara is a innovative farmer who belongs to Sajanpar village of Morbi district (Gujarat). Groundnut and Cotton are main crops in kharif while Wheat is a main crop in rabi under irrigation conditions, on the advise of agricultural scientists(KVK Morbi-Rajkot-1) Prabhubhai started Palma rosa grass cultivation with drip irrigation in 10 Ha area. to overcome the market availability for sale and transportation of grasses ,he also installed an extraction plant on his farm for extraction of oil from Palma rosa grass.

Economics of Palma Rosa Cultivation

Cultivation Cost (Inputs , Labour , seed , extraction & other expenses)	:	Rs. 1,80,875/- Per ha.
Income of first year 120 litres oil/Ha (3 cuttings) price Rs. 2700/litre	:	Rs. 3,24,000/- Per ha.
Income of second year 135 litres oil/Ha (3 cuttings) price Rs. 2650/litre	:	Rs. 3,57,750/- Per ha.
Average annual income	:	Rs. 3,40,875/- Per ha.
Net income per year/Ha	:	Rs. 1,60,000/- Per ha.

Low cost of cultivation and high revenue as compared to other crops. hence this will be helpful to farmers to double their income.

Spread of innovation

By seeing Palma rosa farming more than 30 ha new cultivation nearby the village by 4 farmers.

Recognition

Prabhubhai is known as innovative farmer in this area.



13. Economic Empowerment – A contribution in earnings through the profession of dairy farming.

- | | | |
|---------------------------------------|---|--|
| 1. Name | : | Sonal Prakashbhai Han |
| 2. Full postal address with pin code | : | Khokhani Street,
Nr. Green Chock,
Morbi – 363641 |
| 3. Date of Birth | : | 26/04/1985
(Age: 32 Years) |
| 4. Education | : | Pass Standard 8 th |
| 5. Source of income
(Last 3 years) | : | Dairy Farming |



Brief information about an individual:

Sonal was unemployed. The only source of income to her family is the tea-stall business carried out by her husband. This business has no fixed income and based on the situation doesn't provide adequate money to their daily needs. These circumstances inspired Sonal to take some new initiatives which can help her family to stabilize their income and have better livelihood at economical standards. In year 2012, she decided to start dairy farming and purchased a dairy cattle for ₹.25,000/-. She started selling milk and eventually through the regular income of milk and bio product, she has purchased more cattle every year. At present state, she has 35 cattle in her possession out of which 20 are the dairy cattle and remaining are heifers. With these many cattle, she gets 180 liters of milk production daily.

Considering the cost of ₹.50 per liter of a milk, today she is earning ₹.9,000/- as her daily income. Now with such stable income source, she has offered jobs to 4 people to take care of her cattle, provided solid support in her family income and cater the saving needs to have better future.

Land holding (ha.):

None

Utility of Innovation/Gaps:

Year	:	2017
Cattle	:	35
Dairy Cattle (Jersey Breed)	:	20
Monthly Income	:	₹.2,70,000
Monthly Expenditure	:	₹.1,43,200
Employee Salary	:	₹.15,000
Total Monthly Profit	:	₹.1,11,800

With the help of such monthly profit, she purchased a Maruti Swift car and currently looking for purchasing a batter living space.

Spread of Innovation/Gaps:

By seeing her success story, other women in the surrounding areas are inspired and visited her dairy farm to understand how they can also boost up their economic growth.

Recognition

She has been recognized by Shree Ambika Sakhi Mandal, Morbi and appointed as President of a sub group which inspired other women to be self-sustaining in economical paradigm.

