

19) Success Stories

Success Story – 1

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GR-18

Name of farmer & Address:

Profile					
Name	:	Govindbhai Karsanbhai Patel	Age	:	54
Village	:	Upasal	Education	:	B.A B com
Taluka	:	Vansda	Land holding	:	1.0 ha
Dist.	:	Navsari	Farming Experience	:	31
Mo. no	:	9726169293	Crops grown	:	Paddy, Chickpea, Vegetables and Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 31 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GR-18
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	53.28 q/ha
Potential yield of variety/technology	65.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	43.98	69580	108367	108367	1.56
Demonstration	53.28	70840	132774	61934	1.87
% Increase	21.15	1.81	22.52	-42.85	20.34



Paddy (GR-18) plot of Govindbhai Karsanbhai Patel

Successful Case or Success Story of Paddy GR-18 (2023-24)

Success story – 2

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GR-18

Name of farmer & Address:

Profile					
Name	:	Dahyabhai Zinabhai Patel	Age	:	53
Village	:	Upasal	Education	:	10 th Pass
Taluka	:	Vansda	Land holding	:	1.1 ha
Dist.	:	Navsari	Farming Experience	:	30
Mo. no	:	6359277046	Crops grown	:	Paddy, Chickpea, Vegetables and Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 30 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GR-18
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	54.86 q/ha
Potential yield of variety/technology	65.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	43.98	69890	108367	38477	1.55
Demonstration	54.86	70980	136711	65731	1.93
% Increase	24.74	1.56	26.16	70.83	24.22



Paddy (GR-18) plot of Dahyabhai Zinabhai Patel

Successful Case or Success Story of Paddy GNR-7(2023-24)

Success Story – 3

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released paddy variety

Crop and Variety: Paddy and GNR-7

Name of farmer & Address:

Profile					
Name	:	Patel Mohanbhai Ramtabahi	Age	:	55
Village	:	Sindhahi	Education	:	7 th Pass
Taluka	:	Vansda	Land holding	:	0.8 ha
Dist.	:	Navsari	Farming	:	32

			Experience		
Mo. no	:	9726967490	Crops grown	:	Paddy, Okra, Chickpea, Vegetables and Indian bean

BEFORE CONTACT WITH KVK

Traditionally he started paddy cultivation about 32 years ago. Every time she used to purchase seeds from the market. Lack of knowledge on scientific cultivation of paddy and other management practices lead her to debt in her farming. Once he contacted KVK for the new variety of paddy that changed her life in farming.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	1 Vingha
Variety	-	Paddy – GNR-7
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	25-30 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	2 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding variety
- Seed requirement is decreased
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield and early maturing with good cooking quality

Yield (q/ha)	
Demonstration	47.12 q/ha
Potential yield of variety/technology	55.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	40.23	67580	99126.7	31547	1.47
Demonstration	47.12	68890	117423	48533	1.70
% Increase	17.13	1.94	18.46	53.84	16.20



Paddy plot (GNR-7) of Patel Mohanbhai Ramtabahi

Successful Case or Success Story of Paddy GNR-3 (2023-24)

Success Story – 4

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GNR-3

Name of farmer & Address:

Profile					
Name	:	Vallabhbhai Devalbhai Chavariya	Age	:	53
Village	:	Ankalach	Education	:	2 th Pass
Taluka	:	Vansda	Land holding	:	1.1 ha
Dist.	:	Navsari	Farming Experience	:	34
Mo. no	:	8141073512	Crops grown	:	Paddy, Vegetables, Chickpea and Elephant foot

BEFORE CONTACT WITH KVK

Since more than 34 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy – GNR-3
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	48.74 q/ha
Potential yield of variety/technology	55.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	40.32	68860	104993	36133	1.52
Demonstration	48.74	70860	128284	57424	1.81
% Increase	20.88	2.90	22.18	58.92	18.73



Paddy (GNR-3) plot of Vallabhbhai Devalbhai Chavariya

Successful Case or Success Story of Paddy GNR-5(2023-24)

Success story – 5

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GNR-5

Name of farmer & Address:

Profile					
Name	:	Shankarbhai Dhanjibhai Nayak	Age	:	60
Village	:	Kakadveri	Education	:	4 th Pass
Taluka	:	Khergam	Land holding	:	2.3 ha
Dist.	:	Navsari	Farming Experience	:	38
Mo. no	:	7574963045	Crops grown	:	Paddy, Chickpea, Vegetables and Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 38 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GNR-5
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	43.9 q/ha
Potential yield of variety/technology	52.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	38.32	68130	99785.3	31655	1.46
Demonstration	43.9	69385	115545	46160	1.67
% Increase	14.56	1.84	15.79	45.82	13.70



**Paddy (GNR-5) plot of Shankarbhai Dhanjibhai Nayak
Successful Case or Success Story of Paddy GR-20 (2023-24)**

Success story – 6

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GR-20

Name of farmer & Address:

Profile					
Name	:	Prakshbhai Goopalbhai Kanat	Age	:	46
Village	:	Ravaniya	Education	:	B. A. BPAD.
Taluka	:	Vansda	Land holding	:	1.0 ha
Dist.	:	Navsari	Farming Experience	:	27
Mo. no	:	6355794431	Crops grown	:	Paddy, Chickpea, Vegetables and Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 27 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GR-20
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	46.54 q/ha
Potential yield of variety/technology	55.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	40.32	68670	104993	36323	1.53
Demonstration	46.54	69760	122493	52733	1.76
% Increase	15.43	1.59	16.67	45.18	14.84



Paddy (GR-18) plot of Govindbhai Karsanbhai Patel

Successful Case or Success Story of Paddy GR-17 (2023-24)

Success story – 7

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GR-17

Name of farmer & Address:

Profile					
Name	:	Bhaveshbhai Kantilal Patel	Age	:	36
Village	:	Ranverkhurd	Education	:	4 th Pass
Taluka	:	Chikhali	Land holding	:	0.8 ha
Dist.	:	Navsari	Farming Experience	:	20
Mo. no	:	9725804654	Crops grown	:	Paddy, Sugarcane Vegetables and Pigeon pea

BEFORE CONTACT WITH KVK

Since more than 15 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GR-17
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha



Weeding	-	1 time hand weeding
---------	---	---------------------

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	55.83 q/ha
Potential yield of variety/technology	65.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B: C ratio
Farmer practices	44.77	70523	116581	46058	1.65
Demonstration	55.83	71850	146945	75095	2.05
% Increase	24.70	1.88	26.04	63.04	23.72



Paddy (GR-17) plot of Bhaveshbhai Karsanbhai Patel

Successful Case or Success Story of Paddy GR-17 (2023-24)

Success Story- 8

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GR-17

Name of farmer & Address:

Profile					
Name	:	Ahir Chaganbhai Budhayibhai	Age	:	58
Village	:	Sulatanpor	Education	:	4 th Pass
Taluka	:	Jalalpor	Land holding	:	1.2 ha
Dist.	:	Navsari	Farming Experience	:	36

Mo. no	:	9979730516	Crops grown	:	Paddy, Chickpea, Mango
---------------	----------	------------	--------------------	----------	------------------------

BEFORE CONTACT WITH KVK

Since more than 36 year back, he is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GR-17
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding



Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback: Variety having very good yield

Yield (q/ha)	
Demonstration	57.68 q/ha
Potential yield of variety/technology	65.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	45.92	71123	119576	48453	1.68
Demonstration	57.68	72650	151814	79164	2.09
% Increase	25.61	2.15	26.96	63.38	24.29



Paddy (GR-17) plot of Chaganbhai Budhiyabhai Ahir

Successful Case or Success Story of Paddy GRH-2 (2023-24)

Success Story – 9

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GRH-2

Name of farmer & Address:

Profile					
Name	:	Mangaliben Navsaubhai Thorat	Age	:	46
Village	:	Dholumber	Education	:	6 th Pass
Taluka	:	Vansda	Land holding	:	1.2 ha
Dist.	:	Navsari	Farming Experience	:	25
Mo. no	:	8849711977	Crops grown	:	Paddy, Chickpea, Vegetables and Turmeric

BEFORE CONTACT WITH KVK

Since more than 25 year back, she is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GRH-2
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha



Weeding	-	2 time hand weeding
---------	---	---------------------

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	57.73 q/ha
Potential yield of variety/technology	65.00 q/ha
District average	30.00 q/ha
State average	23.5 q/ha

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	48.12	72970	120492	47522	1.65
Demonstration	57.73	71860	146172	74312	2.03
% Increase	19.97	-1.52	21.31	56.37	23.19



Paddy (GRH-2) plot of Mangaliben Navsaubhai Thorat

Successful Case or Success Story of Paddy GR-15 (2023-24)

Success Story – 10

Name of KVK: Navsari, Gujarat

Title of intervention: Introduction of high yielding newly released hybrid paddy variety

Crop and Variety: Paddy and GR-15

Name of farmer & Address:

Profile			
Name	:	Ramilaben Anilbhai Patel	Age : 39
Village	:	Kakdveri	Education : -
Taluka	:	Khergam	Land holding : 0.8 ha
Dist.	:	Navsari	Farming Experience : 19
Mo. no	:	9586427685	Crops grown : Paddy, Chickpea, Pigeon pea, vegetables, and Green Gram

BEFORE CONTACT WITH KVK

Since more than 19 year back, She is cultivated Paddy traditionally and every year purchases hybrid seed form market and also found pest and disease incidence as a result of this potential yield is not obtained hence, getting low yield and income as well as the cost of cultivation is increased.

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	20 Guntha
Variety	-	Paddy - GR-15
Spacing	-	20*15 cm
Seed Treatment	-	Thiram 3gm/kg seed at the time of nursery raising
Seed rate	-	12-15 kg/ha
Nutrient management	-	Azosipullum and PSB each @ 10 ml/l water for seedling treatments 5 t FYM/ha + 100:30:00 kg NPK/ha
Weeding	-	1 time hand weeding

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of line sowing and seedling treatments with bio fertilizers and high yielding public sector hybrid variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield

Yield (q/ha)	
Demonstration	46.90
Potential yield of variety/technology	65.00
District average	30.00
State average	23.5

Performance of technology

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	40.32	68830	100961	32131	1.47
Demonstration	46.90	70215	118751	48536	1.69
% Increase	16.32	2.01	17.62	51.05	15.30




Paddy (GR-15) plot of Ramilaben Anilbhai Patel

S

Success Story – 11

Success Story: Beekeeping in parallel Integrated farming

	Name of the women entrepreneur: Smt. Asmitaben Ashokbhai Patel Village: Soldhara Tal. Chikhali Dist. Navsari- 396406 Mobile: 8140686838, 9574021233	
Profile:		
Age:	:	43 years
Education:	:	B.A.
Occupation:	:	Farming
Marital status:	:	Married
Land Holding	:	12 ha.
Farming Experience:	:	12yers
Thematic Area:	Bee-Keeping and Integrated Farming System	
Adoption of Technology:	➤ Bee-Keeping and Integrated Farming System including Agrotourism, ➤ poultry farming and animal husbandry, duckery, fisheries were also introduced in the farming.	

Situation Analysis/ Problem:

- This is success story of farm women of Soldhara village of Navsari district. they cultivate the traditional vegetables, Suran, yam, brinjal and paddy, in which they faced lot of trouble in the early years,
- But as the years passed by, as the cost of pesticides, fertilizer, water, labor in agriculture increased, so cost of agriculture also increased. Hence, an income of 60,000 to 80,000 would be received in one season. Then gradually planted mango cuttings in some land and continues to cultivate yam, root vegetables and turmeric in the remaining land.
- With the cost of fertilizers, water, labor costs and expensive pesticides for spraying chemicals, farming has become more expensive.
- Due to Low yield and low market price, income is not enough to survive.

Plan, Implement and Support:

- They got inspiration and encouragement to start this business from Krishi University. It is not wrong to start with a small unit and make a honey hub today. To develop such a big mine center and following Krishi Vigyan Kendra Navsari kept contacting the scientists, Officials of Krishi Vigyan Kendra Navsari and Navsari Agricultural University have given us a lot of support along with technical guidance to carry out this business and our contacts are still alive with this center. Whenever there are confusions and questions, we contact Krishi Vigyan Kendra, Navsari Agricultural University.
- They had received many beekeeping trainings from the Agricultural University in the past. On the basis of those trainings, the development and growth is going on by adopting a scientific approach.

Output:

- ***Thus, they have been keeping Bees for more than 12 years and*** Thus the production of other vegetables in mango planting is also increased due to beekeeping and a large number of people were not only attracted to beekeeping but also kept bee boxes.
- There is traditional animal husbandry along with bee keeping. In which I also have about 20 livestock. It include 1 buffalo, 5-calves 1 bull, 13 cows. So we also get milk production throughout the year. Milk for home consumption as well as the buffer milk at the dairy.
- We also keep goats due to our firmness on diversity and stay close to nature. We also have three surti goats.
- We also keep chickens, there are about 13 chickens. Through which also get egg production.
- Along with this we also keep ducks and rabbits for hobby.
- Developed nursery of medicinal plants, medicinal and bonsai seedlings. We sell seedlings in retail.
- ***The village lake near the house has been developed as an eco-tourism point. In which the activity of fish farming*** is also working. climbing nets, rides of other trekking activities are also kept on the lake to keep the kids and visitors entertained with fun.
- A tree house is built for visitors. A butterfly garden has also been developed with a picturesque view of the lake.
- Value added items like sapota Chips, sapota powder, Amla Mouth freshner, Amla Candy, Light Cereal Bunty, Samo, Nagli, Nagli Papad, Bhunglas, Bamboo Articles, Bee Pollen Mouthwash, Bee-well, Candles, Aromatic Honey with self help group sisters. We manufacture and sell these value added products by doing activities like herbal natural based soap making.

Outcome:

- Beekeeping activity brought contact with other farmers from different areas thereby increasing contact with neighboring states.
- Got registered with DRDA so our activity got name and fame at district level and bring stalls at district and state level also. Due to mass contacts marketing issues were solved

- Getting our business name at the state level also increased the number of visitors which boosted their enthusiasm, which inspired them to develop the place as an eco tourism point to entertain the visitors.
- They merged many other activities along with a core business. Integrated farming practices are adopted in business. Hence along with the financial income of beekeeping, there is a continuous financial return through other activities.
- Confidence has increased and a better chain of market management has been established. So it runs and sells more easily with less effort



Successful Case or Success Story of Turmeric variety GNT3 (2023-24)

Success Story – 12

Name of KVK : Navsari, Gujarat

Title of intervention : Introduction of high yielding newly released

Crop and Variety : Turmeric variety GNT3

Profile

Name : Rashmikaben Patel

Age : 48

Village : Manekpur

Education : 12

Taluka : Gandevi

Land holding : 0.3 ha

Dist. : Navsari

Farming : 20 years

Experience

Mo. no : 9712889180

Crops grown : Turmeric, Vegetables

BEFORE CONTACT WITH KVK

Not aware about NAU Navsari released variety

Not aware about cultivation practice of turmeric

Not aware about raisedbed technique

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	4 Guntha
Variety	-	Turmeric variety GNT3
Spacing	-	45*30cm
Seed rate	-	3 t/ha
Nutrient management	-	10 t FYM/ha + 60:60:60 kg NPK/ha

Institutional Involvement:

Farmers training + regular field visit + guidance as when required

Success Point:

- Adoption of newly released variety with Raised bed method seedling treatments
- Integrated nutrient management in crop
- Use of FYM Fertilizer and bio fertilizers
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield with less disease compared to local

Yield (q/ha)	(q/ha)
Demonstration	282.00
Check	257.50
Potential yield of variety/technology	328.00

Performance of technology

Sr.	Demonstration	Expenditure and Returns (Rs./ha)	Net	Additional
------------	----------------------	---	------------	-------------------

No.	detail	Demo				Return increase per cent	Cost (Rs/ha)	Return (Rs/ha)
		Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B: C ratio			
1	Turmeric var. Pitambari (GNT 3)	1,68,011	5,65,000	3,96,989	3.36	13.02	0	45,730
2	Check	1,63,740	5,15,000	3,51,260	3.15			



Success Story – 13

Successful Case or Success Story of Mango Ginger var. Amravanti (2023-24)

Name of KVK : Navsari, Gujarat

Title of intervention : Introduction of high yielding newly released

Crop and Variety : Mango Ginger var. Amravanti

Profile

Name : Linaben Patel **Age : 50**
Village : Manekpur **Education : 12**
Taluka : Gandevi **Land holding : 0.5 ha**
Dist. : Navsari **Farming : 22 years**
 Experience
Mo. no : 9638159021 **Crops grown : Turmeric, Vegetables**

BEFORE CONTACT WITH KVK

Not aware about NAU Navsari released variety
 Not aware about cultivation practice of turmeric
 Not aware about raisedbed technique

AFTER KVK GUIDANCE ADOPTED TECHNOLOGY

Area	-	4 Guntha
Variety	-	Mango Ginger var. Amravanti
Spacing	-	45*15cm
Seed rate	-	1.5 t/ha
Nutrient management	-	10 t FYM/ha + 60:60:60 kg NPK/ha

Institutional Involvement:

Farmers training + regular field visit + guidance as when required

Success Point:

- Adoption of newly released variety with Raised bed method seedling treatments
- Integrated nutrient management in crop
- Use of FYM Fertilizer and bio fertilizers
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield with less disease compared to local

Yield (q/ha)	(q/ha)
Demonstration	130
Check	117.50

Potential yield of variety/technology	160
---------------------------------------	-----

Performance of technology

Sr. No.	Demonstration detail	Expenditure and Returns (Rs./ha)				Net Return increase per cent	Additional	
		Demo					Cost (Rs/ha)	Return (Rs/ha)
		Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B: C ratio			
1	Mango Ginger var. Amravanti	1,48,926	5,20,000	3,71,074	3.49	15.57	0	50,000
2	Check	1,48,926	4,70,000	3,21,074	3.16			



Success Story – 14

Successful Case or Success Story of Chick pea GG-5 (Rabi-2022)

Title of intervention: Introduction of high yielding and wilt resistance Chick pea newly released variety

Crop and Variety: Chick pea and GG-5 (Rabi -2022)**Name of farmer & Address:**

Profile					
Name	:	Patel Lallubhai Jethiyabhai	Age	:	71
Village	:	Kukada	Education	:	3 Pass
Taluka	:	Vansda	Land holding	:	1.2 ha
Dist.	:	Navsari	Farming Experience	:	24 year
Mo. no	:	9909284173	Crops grown	:	Paddy, Chick pea, Mango and Okra

BEFORE CONTACT WITH KVK

Wilt disease was the major hurdle for her chickpea yield. Since 8 years repeated use of chick pea in the same area without any plant protection measures she harvested minimum yield. Once it happened visit demo plot at KVK then she made her mind to follow the guideline.

Details of technology demonstrated:

Area	-	1 vigha (0.2 ha)
Variety	-	Gujarat Chick Pea - 5
Spacing	-	30 cm
Seed Treatment	-	Thiram @ 3 gm/kg seed Rhizobium, PSB and KMB each @ 10-20 ml/kg seed
Seed rate	-	60 – 70 kg/ha
Nutrient management	-	20:40:00 kg NPK/ha
Weeding	-	2 time hand weeding
Micro-nutrients	-	Spraying of Novel liquid fertilizers @1% at flowering and pod setting stage

**Institutional Involvement:**

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Adoption of short durations and wilt resistance high yielding variety
- Integrated nutrient management in crop
- Scientific method of cultivation practices adopted

Farmer Feedback:

Variety having very good yield and wilt incidence was very less

Yield (q/ha)	
Demonstration	13.12
Potential yield of variety/technology	20.00
District average	8.7
State average	13.3

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	10.63	30590	57806	27216	1.89
Demonstration	13.12	31680	71622	39942	2.26
% Increase	23.42	3.56	23.90	46.76	19.64



Chick Pea plot of Patel Lallubhai Jethiyabhai

Success Story – 15

Successful Case or Success Story of Green Gram GM-6 (Summer-2023)

Title of intervention: Introduction of YVM resistance and high yielding green gram newly released variety

Profile					
Name	:	Patel Jitendrabhai Maganbhai	Age	:	57
Village	:	Abrama	Education	:	10 th Pass
Taluka	:	Jalalpore	Land holding	:	4.0 ha
Dist.	:	Navsari	Farming Experience	:	35 year
Mo. no	:	9737719110	Crops grown	:	Sugarcane, Green gram, Vegetable and Mango

BEFORE CONTACT WITH KVK

He has been cultivating green gram since 20 years, normally he used to adopt traditional practices while cultivating green gram, hence she incurred huge yield losses due to abiotic and biotic stress thereby increased cost of cultivation and low profit concern her farming.

Details of technology demonstrated:

Area	-	0.25 ha
Variety	-	Green Gram – GM-6
Spacing	-	45 x10 cm



Seed Treatment	-	Thiram @ 3 gm/kg seed Rhizobium, PSB and KMB each @ 10-20 ml/kg seed
Seed rate	-	25 kg/ha
Nutrient management	-	20:40:00 kg NPK/ha
Weeding	-	2 time hand weeding
Micro-nutrients	-	Spraying of Novel liquid fertilizers @1% at flowering and pod setting stage

Institutional Involvement:

Farmers training + frequent field visit + guidance as when as required

Success Point:

- Pod length higher and seeds are bold as well as YVM virus resistance variety
- Adoption of *summer* green gram recently released good high yielding variety
- Integrated nutrient management in crop
- Carried out Scientific method of cultivation

Farmer Feedback:

Variety having very good yield and less incidences of pest problem

Details of productivity status of Green gram

Yield (q/ha)	
Demonstration	8.87 q/ha
Potential yield of variety/technology	11.0 q/ha
District average	5.64 q/ha
State average	5.26 q/ha

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	7.44	38330	63336.7	25007	1.65
Demonstration	8.93	39795	76208.6	36414	1.92
% Increase	20.03	3.82	20.32	45.62	15.89



Green Gram (GM-6) plot of Patel Jitendrabhai Maganbhai

Success Story – 16

Case studies of individual youth/group related to ARYA

1. ARYA Mango Grafting

Name	Mineshbhai Dhanabhai Patel
Address	At : Tanufalia , Po : Limjar Ta : Vansda Dist : Navsari
Mobile No	9712732426
Age	30
Education	9th
Land Holding	2 guntha

Before KVK intervention

- No awareness about mother plot and its maintenance
- Lack of knowledge for multiple grafting in one plant
- Not aware about Sonpari hybrid mango variety.

After KVK intervention

- Total 20,000 grafts were prepared by all members of group.
- Out of these two groups one group Bistubhai Poslubhai Birari
- From Tanufalia Limjar Block Vansda in Navsari District had sold 20,000 mango grafts commercially. Now KVK, Navsari is emphasizing on marketing of grafts.

Effect of KVK intervention

Results to adopt this technology

- Due to KVK intervention trust of people increased.
- Started multiple grafting in mango.
- Realized importance of hygiene and cleanliness, safety measures.
- Started use of Novel Banana sap and other pesticides as per need with specific amount

Sr. No.	Particulars	Horticulture Nursery
	Name Of Unit	Graft
1	Production per year	2000
2	Sale Value Of The Produce (Per unit)	50
3	Cost Per Per Unit	30
4	Net Profit Per Unit	20
5	Gross Income	100000

6	Total Cost Of Production	60000
7	Profit Net Economic Gains (Rs./Unit/Year)	40000
8	Per Month Net Income	3333
9	Before Kvk Net Income	8000
10	After KVK Net Income	40000
11	Increase In Net Income	32000
12	Increase In Percent	400



Mango Graft Nursery Raising

Success Story – 17

Success Story 2023-24

1. ARYA Mango Processing

Name	Chetanaben Mukeshbhai Patel
Address	At : Kharoli , Po : Kharoli Ta : Vandsa Dist : Navsari
Mobile No	9537670595

Age	43
Education	10th
Land Holding	2 guntha

Before KVK intervention

- Bottle burst, discoloration and burning effect were major technical issues
- Not aware about microbial contamination
- Lack of knowledge about adequate use of preservatives.
- Never used Brix meter, thermometer

After KVK intervention

- She has received proper technical knowledge about different kinds of value addition products. in mango.
- She realized important of hygiene and cleanliness, safety measures
- Started use of disinfectants, gloves, mask, hair cap, apron and fire extinguisher
- Started use of thermometer of brix meter
- Due to hygiene & safely precaution trust of people increased.
- Started microbial analysis of their product.

Effect of KVK intervention

Results to adopt this technology

- Problem of bottle burst, discoloration and burning effect have been resolved
- Quality has been improved

Sr. No.	Particulars	Mango pulp
	Name Of Unit	Pulp Bottles
1	Production per year Pulp Bottles	12000
2	Sale Value Of The Produce (Per unit)	130
3	Cost Per Per Unit	80
4	Net Profit Per Unit	50

5	Gross Income	1560000
6	Total Cost Of Production	960000
7	Profit Net Economic Gains (Rs./Unit/Year)	600000
8	Per Month Net Income	50000
9	Before Kvk Net Income	50000
10	After KVK Net Income	600000
11	Increase In Net Income	550000
12	Increase In Percent	1100



Mango Pulp Bottling By Farm Women

Natural farming –An Ecological farming

Profile					
Name	:	Robin Kumar Mohan Bhai Patel	Age	:	34
Village	:	Butlav	Education	:	Diploma(12 th)
Taluka	:	Navsari	Land Holding	:	6 Vigha

Dist	:	Navsari	Farming Experience	:	20 Year
Mo.No	:	9428013938	Crops Grown	:	Flower Crop (Lily), Sapota, Mango, Vegetable Crops, Lemongrass Mint, Brahmi, Satavari, etc.

Before Contact Of KVK:

Since more than 10 year back, he is cultivated all different crop with use of chemical fertilizer & use of different pesticides to control pest and disease incidence. in various crop as a result of this potential yield is not obtained & cost of cultivation is increase.

After KVK Guidance Adopted Technology:

Area	:	6 vigha	
Crop	:	Mango	Intercrop as NF Component
Spacing	:	15*30cm	30*30
Seed Treatment	:	Bijamrut at the time of planting	
Nutrient management	:	Use of jivamrut 15 lit/tree twice in a month every month & use of panchgavy spray.25 lit/1000 lit 4 times in a year & use of ghan jivamrut 20 kg/tree four time in year.	
Weeding	:	As per needed	

- **After KVK Intervention:**

- He start attend different meeting of natural farming at various inside & outside of state.
- Based on training he adopted various natural farming cultivation practices.

- **Area of adoptive technology:**

- He is Growing mango ,sapota & lily (flower crop) is main crop in between this main crop he growing various inter crop like, different type of leafy vegetable & also growing medicinal crop like mint, lemongrass, satavari, shankh-pushpi etc.
- **Result of technology:**
 - ✓ Seed requirement is decrease.
 - ✓ Plant growth is improved.
 - ✓ Lilly yield increase additional 22% compare to chemical farming.
 - ✓ Approx, 12-13 lakh buds Lilly (as compare to earlier 9-10 Lakhs buds)
 - ✓ More than 30% additional income mixed vegetables

- **Horizontal spread:**

- About 25 farm family in the village & surrounding village adopted this natural farming technology.



Medicinal saplings from Govt. Nursery



Intercropping adoption as a NF Component



Jeevamruth prepared and ready for spraying



Mango Pulp bottling

Success Story – 18

Natural farming- A recent trend in conservation agriculture

Profile					
Name	:	Bhavnitaben Navinbhai Patel	Age	:	47
Village	:	Boriyach	Education	:	11 th (Pass)
Taluka	:	Navsari	Land Holding	:	5 Vigha
Dist	:	Navsari	Farming Experience	:	15 Year
Mo.No	:	7046245084	Crops Grown	:	Mango, Sapota, Green gram, Pigeon pea, Vegetable crop Like Tomato, Brinjal, Sponge Guard, Bitter Guard, Lady Guard, Elephant foot Yam, Turmeric, Lemon Etc.

Before Contact Of KVK:

Since 10 years, he is cultivated all different crop with use of chemical fertilizer & use of different pesticides to control pest and disease incidence. in various crop as a result of this potential yield is not obtained & cost of cultivation is increase.

After KVK Guidance Adopted Technology:

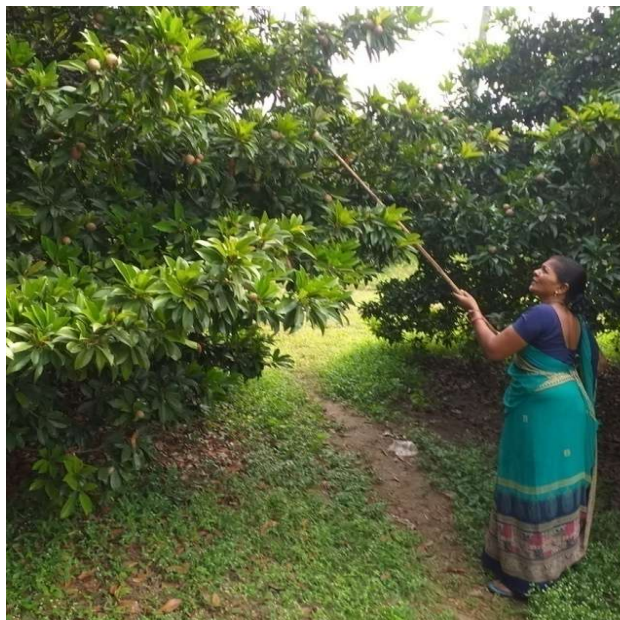
Area	:	5 vigha	
Variety	:	Sapota	Mango
Spacing	:	18 * 18 cm	15*15
Seed Treatment	:	Bijamrut at the time of planting	
Seed Rate	:	1vigha:112 tree (mango) 1 vigha:135 tree (sapota)	

Nutrient management	:	Use of Jivamrut at a time every irrigation 500 Lit/Acre. Use of Ghan Jivamrut 1000kg/Acre 5 time in a year
Weeding	:	As per needed

-
- **After KVK Intervention:**
 - She start attend different meeting of natural farming at various inside & outside of state.
 - Based on training he adopted various natural farming cultivation practices.
- **Area of adoptive technology:**
 - She is Growing sugarcane & rice is main crop. In between this main crop she growing various inter crop like mung bean, gren gram, pigeon pea, vegetable crop like brinjal, tomato, elephant foot yam, sponge guard, bitter guard, lady figure, ridge guard etc. Cow pea as a intercrop.
- **Result of technology:**
 - ✓ Seed requirement is decrease.
 - ✓ Plant growth is improved.
 - ✓ Sapota yield increase additional compare to earlier farming (6-7 tonnes per acre to 8- 10 tonnes per acre)
 - ✓ More than 35% additional income from the different vegetables grown
- **Horizontal spread:**
 - About 30 farm family in the village & surrounding village adopted this natural farming technology.



Intercrop in Sapota



Harvesting



Preparation of Jeevamrut

