


Krishi Vigyan Kendra, Navsari Agricultural University, Surat

Success Story-1

1	Name of Farmer	Jamanaben Maganbhai Nakum				
2	Husband's Name	Maganbhai K Nakum				
3	Postal Address	At –Tuked, Ta – Mandvi, Dist.- Surat, Gujarat.				
4	Mobile No.	9925716660				
5	Adhar No.	5318 7866 0650				
6	Innovations developed:	<ul style="list-style-type: none"> ➤ The herd strength is total 32 Gir cows including 28 lactating and 4 dry cows ➤ Total Milk Production: 56000 L (Last year), Rate: Rs. 80 per L, Gross Income: 3,73,333/- per Month ➤ In 2015 – Purchased 4 Gir cow and initiated the farm. After nine month again 4 animals added in the farm and gradually 32 cows maintained in the year of 2020-21. 				
7	Innovations adopted in Farming (List only)	<ul style="list-style-type: none"> ➤ Organic ghee preparation ➤ Masala buttermilk ➤ Sour buttermilk for organic farming ➤ Selling of cow urine for organic farming ➤ Use of FYM in her own farm 				
8	Technologies modified if any	<ol style="list-style-type: none"> 1. Chaff cutting fodder offered to all Gir cows. 2. All Gir cows rearing through Low cost Farm Investment (Kaccha Farm). 3. Provide open area ranching for all cows during full day time. 4. Concentration offered 0.5 kg per L of milk, 1.5 kg for body maintenances and during last trimester of pregnancy 1 kg extra. 5. Maintained green and dry fodder ratio throughout the year. 6. Maintained average calving interval 16 months in the farm. 				
9	Activity wise income, cost-benefit ratio, gross and net income year-wise (previous five years) (Livestock)	Year	Production (L)	Gross (Lakh.)	Expenses (Lakh)	Net profit (Lakh)
		2017-18	9125	33.15	16.78	16.37
		2018-19	32850	35.20	20.24	14.96
		2019-20	44000	39.00	16.05	22.95
		2020-21	51000	42.00	13.05	28.95
		2021-22	56000	44.80	15.17	29.63

9	Area under Crop	Fodder cultivation (Hybrid Napier, <i>Jinjvo</i> grass, <i>Bullet</i> grass and Sugarcane)																																										
10	Productivity Levels achieved in major income generating activity during the last five years	<p>Economic Parameters</p> <table border="1"> <thead> <tr> <th>Year / Economic parameter</th> <th>2017-18</th> <th>2018-19</th> <th>2019-20</th> <th>2020-21</th> <th>2021-22</th> </tr> </thead> <tbody> <tr> <td>No. of cow in lactating period</td> <td>8</td> <td>18</td> <td>21</td> <td>22</td> <td>28</td> </tr> <tr> <td>No. of cow in non-lactating period</td> <td>7</td> <td>8</td> <td>9</td> <td>7</td> <td>4</td> </tr> <tr> <td>Average liter of milk per cow (L)</td> <td>4.1</td> <td>4.4</td> <td>4.8</td> <td>4.7</td> <td>4.9</td> </tr> <tr> <td>Average fat content in milk (%)</td> <td>5-6</td> <td>6-7</td> <td>6-7</td> <td>6-7</td> <td>6-7</td> </tr> <tr> <td>Cost of per liter of milk (Rs.)</td> <td>48</td> <td>54</td> <td>46</td> <td>65</td> <td>80</td> </tr> <tr> <td>Total Production of milk (L)</td> <td>9,125</td> <td>32,850</td> <td>44,000</td> <td>51,000</td> <td>56,000</td> </tr> </tbody> </table>	Year / Economic parameter	2017-18	2018-19	2019-20	2020-21	2021-22	No. of cow in lactating period	8	18	21	22	28	No. of cow in non-lactating period	7	8	9	7	4	Average liter of milk per cow (L)	4.1	4.4	4.8	4.7	4.9	Average fat content in milk (%)	5-6	6-7	6-7	6-7	6-7	Cost of per liter of milk (Rs.)	48	54	46	65	80	Total Production of milk (L)	9,125	32,850	44,000	51,000	56,000
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11	What improvement have been affected for productivity, profitability and sustainability – enhancement.	<ol style="list-style-type: none"> 1. Animal rearing through Low Cost Farm Investment (Kaccha Farm) 2. Highest Milk production per cow is 12 Litre / day 3. The average calving interval is 16 months in the farm. 4. Average Age of First Calving (AFC) is 38 months 5. Very excellent retail selling chain in Surat city area and sold price of the milk is Rs. 90 per litre at customer door step. 																																										
12	Any spread effect on Fellow Farmers	<ol style="list-style-type: none"> 1. Routing deworming and vaccination of all animals. 2. Daily cleanliness of the farm. 3. Maintained the time of milking and feeding. 4. Calves are maintained in separate pen. 																																										
13	Innovative interventions of Animal Sciences	<ol style="list-style-type: none"> 1. Low cost shade 2. Organic green fodder management throughout the year 																																										

	inducted in the system of production and management and effects	<ol style="list-style-type: none"> 3. Direct selling nearby city house hold. 4. By-product selling to organic farmers
14	The contribution of the innovator in terms of	
	i. New package of practices / management strategies	<ul style="list-style-type: none"> • Shed Management: <ol style="list-style-type: none"> 1. Width: -60 feet, Length: -160 feet, Height: -12 feet. 2. This shed is made of wood and bamboo. The roof of the shed is made of grass and thatch. 3. Feature of shed:- The temperature inside the shed is high during winter, due to which the milk production is maintained as the cow does not get cold. And milk production is maintained as the cow does not feel hot due to the cool temperature in summer.
	ii. Saving of resources / inputs	<ol style="list-style-type: none"> 1. low cost shade made of fodder and tarp act as natural insulator consequently constant and stable milk production. Reducing capital as well as maintenance cost.
	iii. Breaking technology transfer barriers	<ol style="list-style-type: none"> 1. Self-marketing strategies.
	iv. Prevention of outbreak of diseases and pests	<ol style="list-style-type: none"> 1. Animals are vaccinated every 3 months. 2. When an animal falls ill, first aid is done manually. 3. A cow is left free in open field for 10-12 hours in a paddock every day, due to which its health is maintained. 4. In the morning, after leaving the cow in the paddock, the inside of the shed is cleaned and then the shed is washed with water. 5. 700-800 grams of jaggery and 300 grams of mustard oil are given to them daily for 4-5 months after the cow is weaned, thereby maintaining the health of the cow and the quality of milk.
	v. Bringing about radical change in management packages/contributing record production from land, water or animals	<ol style="list-style-type: none"> 1. Scientific management of Animals for record milk yield.
15	Extent of publicity of his / her innovations / contributions / success story	Success story prepared by KVK, Surat; Publicity in social media etc.
16	Documentary proof- photos, publications, certificates, awards, etc.	Attached here with

Present economic parameters consider for the calculation

- The herd strength is total 32 Gir cows including 28 lactating and 4 dry cows.
- Animal rearing through Low Cost Farm Investment (Kaccha Farm).
- Provide open area ranching for all cows during full day time.
- 3 Ha Land use for the green fodder production and some dry fodder throughout the year
- Fodder cultivation cost Rs. 22000 per month including seeds, fertilizers and labour cost of cultivation.
- Dry fodder approx. 15 tones @ Rs. 6000 purchased from outside, its cost near about Rs. 90,000 per year.
- Cost of concentrate (1 kg per maintenance + 0.500 kg per litre milk) per cow is approx. Rs. 70000 per year.
- Labour Cost is approx. Rs. 29000 per month in the farm. It's including daily farm activities and fodder cutting from the cultivated field.
- Cost of medicine and feed supplemental is approx. 1500 per month in the farm
- Cost of transportation and customer door step milk distribution is approx. 36000 per month
- Animal purchased cost monthly repayment is Rs. 30000.
- Very excellent retail selling chain in Surat city area and sold price of the milk is Rs. 90 per litre at customer door step.
- Highest Milk production per cow is 12 litre / day
- Average production 4.9 litre per cow per day in the farm.
- Average Age of First Calving is 38 months
- The average calving interval is 16 months in the farm.
- In last year, the income of Rs. 175000 is obtained from selling of approximate 11500 lit. of buttermilk.
- In last year, the income of Rs. 270000 is obtained from selling of approximate 180 lit. of Ghee.

Documentary proof-photos, publications, certificates, awards, etc.





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Date: 17th February, 2023

Dear Jamnaben Maganbhai Nakum,

This has reference to our letter dated 19th May, 2022 informing you that you are selected as the winner of the Award for the year 2019 in the “**Woman Farmer Category – Dairy Farming**” category. Please accept my heartiest congratulations!!

I am happy to inform you that the awards will be given away at the hands of **Smt. Sumitra Mahajan**, Ex-Speaker Parliament, Indore, Madhya Pradesh. We are fortunate to have her as the Chief Guest of the function.

The Award presentation function will be held in on **Saturday the 25th March, 2023 at 6.00 p.m.** You are cordially invited to attend the function along with your spouse to receive the Award and also to a dinner thereafter.

Needless to say the Aspee Foundation will be pleased to bear to and fro 2nd AC Railway Sleeper fare for you and your spouse and also provide accommodation for two of you.

The Invitation card will be sent to you shortly.

With kind regards,

Yours sincerely,
FOR ASPEE AGRIL. RES. & DEVP. FOUNDATION

SHARAD L. PATEL- DIRECTOR

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Please Contact us for :

- Aspee L. M. Patel Farmer of the Year Awards - One each for Horticulture, Rainfed and Woman Farmer Category.