

Krishi Vigyan Kendra, Navsari Agricultural University, Surat

Success Story

Economic empowerment of Women Farmer through animal Husbandry

1	Name of Farmer	Jamanaben Maganbhai Nakum
2	Husband's Name	Maganbhai K Nakum
3	Marital Status & Gender	Married, Female
4	Date of Birth	1 st June, 1974
5	Postal Address	At –Tuked, Ta – Mandvi, Dist.- Surat, Gujarat. Mob - 9925716660
6	Educational qualification	2 nd Std
7	Total land	3 ha
8	Area under Crop	Fodder cultivation (Hybrid Napier, <i>Jinjvo</i> grass, <i>Bullet</i> grass and Sugarcane)
9	Details of farm and Progress:	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.
10	New technologies developed	--
11	New Technologies adopted in farming.	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.
12	Activities wise income, cost benefit	

	ratio, gross and net income year wise for previous three years.	<table border="1"> <thead> <tr> <th>Year</th> <th>Production (L)</th> <th>Gross (Lakh.)</th> <th>Expenses (Lakh)</th> <th>Net profit (Lakh)</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>44000</td> <td>35.20</td> <td>20.24</td> <td>14.96</td> </tr> <tr> <td>2019-20</td> <td>51000</td> <td>33.15</td> <td>16.78</td> <td>16.37</td> </tr> <tr> <td>2020-21</td> <td>56000</td> <td>44.80</td> <td>15.17</td> <td>29.63</td> </tr> </tbody> </table>	Year	Production (L)	Gross (Lakh.)	Expenses (Lakh)	Net profit (Lakh)	2018-19	44000	35.20	20.24	14.96	2019-20	51000	33.15	16.78	16.37	2020-21	56000	44.80	15.17	29.63								
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13	Productivity Levels achieved in major income generating activities during the last three years	<p>Economic Parameters</p> <table border="1"> <thead> <tr> <th>Year / Economic parameter</th> <th>2018-19</th> <th>2019-20</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>No. of cow in lactating period</td> <td>18</td> <td>22</td> <td>28</td> </tr> <tr> <td>No. of cow in non lactating period</td> <td>9</td> <td>7</td> <td>4</td> </tr> <tr> <td>Average liter of milk per cow (L)</td> <td>4.8</td> <td>4.7</td> <td>4.9</td> </tr> <tr> <td>Average fat content in milk (%)</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>46</td> <td>65</td> <td>80</td> </tr> <tr> <td>Total Production of milk (L)</td> <td>44,000</td> <td>51,000</td> <td>56,000</td> </tr> </tbody> </table>	Year / Economic parameter	2018-19	2019-20	2020-21	No. of cow in lactating period	18	22	28	No. of cow in non lactating period	9	7	4	Average liter of milk per cow (L)	4.8	4.7	4.9	Average fat content in milk (%)	6-7	6-7	6-7	Cost of per liter of milk (Rs.)	46	65	80	Total Production of milk (L)	44,000	51,000	56,000
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14	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. 80 per litre at customer door step. 																												
15	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. 																												
16	Any other relevant information	Standard economics for calculation sheet attached.																												

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 month
 - 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. 80 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.

