

Name of farmer: F. Saithangpuia

Age: 50

Mobile: 9366664637

Address: Lungchhuan, Serchhip District, Mizoram

Land holdings in ha. (Rainfed & Irrigated): 2

Livestock: 3 sows



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|--|---|
| <b>Climate Resilient Success story</b>                                   | Pu F. Saithangpuia from Lungchhuan Village, Serchhip District started rearing local poultry birds from 2012. Due to lack of technical know-how, the farming practices were not productive and sustainable. During 2021, KVK introduced new technology i.e new variety of poultry Rainbow rooster under semi-intensive system. Housing, feeding and drinking materials were locally available materials. Locally available feeds i.e green vegetables, maize, soyabean, paddy husk, bran etc were given to poultry birds. Prophylactic measures were followed which prevent diseases outbreak. These interventions led to increased eggs and meat production from the farm and double the income.                            |
| <b>Climatic problem identified:</b>                                      | <b>Cold stress during winter.</b>   |
| <b>Technology demonstrated to overcome the problem:</b>                  | <b>Semi-intensive system of rearing dual purpose poultry birds Rainbow Rooster</b>  |
| <b>Description of technology:</b>  | During 2021, KVK North Vanlaiphai introduced dual purpose poultry "Rainbow rooster" to the farmer. He was given hand on training at KVK farm about semi-intensive system of rearing dual purpose breeds. Twenty birds (20 nos.) were distributed and routine vaccinations were carried out. Bio-security measures, regular deworming and vitamin supplements were also followed. These practices led healthy birds with increased productions and sustainable. The eggs production increased from 50 % to 80 %. Surplus eggs were sold at the market or incubated at hatchery unit available at KVK farm. The hatched chicks were again raised for replacement of the old stock. Now the farmer is rearing 70 poultry birds |
| <b>Impact of intervention:</b>   | No of farmers adopting the technology = 5 nos.<br>No of birds reared: 20-25 birds per farmer  |
| <b>How the interventions minimized the impact of climate variability</b> | <b>Rearing of climate resilient variety of poultry i.e. Rainbow Rooster under Semi-intensive system of housing.</b>   |
| <b>Yield and Economics:</b>  | <ul style="list-style-type: none"><li>Benefits: Self-sufficient in eggs and meat, act as protein source for the family.</li></ul> Income : Selling of eggs for Rs. 10-15 per egg, Selling of poultry meat for Rs. 250 per kg where the Benefit cost ratio is 2.5:1.<br>Resource conservation: Poultry variety "Rainbow rooster" were sustain by utilizing the egg incubator available at KVK  |

Additional Information required:

- Details of the technology demonstrated:

|   |                                    |
|---|------------------------------------|
| Sowing method/ Rearing method:  | Semi- intensive housing system     |
| Seed treatment/ Livestock treatment:                                  | Vaccination and mineral supplement |
| Spacing (plant to plant and line to line)/ Shelter type in livestock: | Semi-intensive housing             |

- Institutional involvement (source of seed procurement, involvement of any govt. agency, any training provided by institute etc.): Training and diagnostic visit.
- Success of the technology intervention During 2021, KVK North Vanlaiphai introduced dual purpose poultry “Rainbow rooster” to the farmer. He was given hand on training at KVK farm about semi-intensive system of rearing dual purpose breeds. Twenty birds (20 nos.) were distributed and routine vaccinations were carried out. Bio-security measures, regular deworming and vitamin supplements were also followed. These practices led healthy birds with increased productions and sustainable. The eggs production increased from 50 % to 80 %. Surplus eggs were sold at the market or incubated at hatchery unit available at KVK farm. The hatched chicks were again raised for replacement of the old stock. Now the farmer is rearing 70 poultry birds
- Suggestions of the farmer: Availability of eggs round the year without purchasing.
- High resolution photograph of the activity and photograph of concerned successful farmer to be enclosed separately in .jpg/ .jpeg format.

| Name of breed   | Measurable indicator per unit time in comparison to farmers practice (mortality rate, milk,meat,eggs,etc.) |                                       | Details of improved shelter or housing system in comparison to farmers practice |            | Details of feeding system   | Type and amount of feed given per animal per unit time in comparison to farmers practice   |   | Treatment given to and their impact as compared to the farmers practice |     | Overall impact in terms of income |            |     |              |            |     |
|-----------------|--|---------------------------------------|---|------------|---|--|---|---|-----|-----------------------------------|------------|-----|--------------|------------|-----|
|                 | Demo   | FP                                    | Demo  | FP         | Concentrated and local fodder   | Demo   | FP  | Demo  | FP  | Demo                              |            |     | FP           |            |     |
|                 |  |                                       |   |            |   |  |   |   |     | Gross Income                      | Net Income | B.C | Gross Income | Net Income | B.C |
| Rainbow Rooster | Mortality rate-5%<br><br>Eggs - 4100   | Mortality rate-10%<br><br>Eggs - 3000 | Semi-intensive system   | Free range | 1)Starter = 0-2 months<br><br>2)Grower = 3- 4 months<br><br>3)Layer = 5 months onward | 1 <sup>st</sup> week- 13gm (Starter)<br><br>2 <sup>nd</sup> week-18 gm (Starter)<br><br>3 <sup>rd</sup> week – 30 + gm(Starter +Azolla/local fodder)<br><br>4 <sup>th</sup> week -50 + gm(Starter + Azolla/local fodder)<br><br>5 <sup>th</sup> week - 70+gm(Starter + Azolla/local fodder)<br><br>6 <sup>th</sup> week- | Ad-lib feeding (Paddy husk,/maize/scavenging/free range food/kitchen waste) | 1)Vitamin supplement<br><br>2)Mineral supplement                        | NIL | 51,000                            | 81,100     | 1.7 | 32,500       | 52,500     | 1.6 |



