

ONE STEP AHEAD ON DOUBLING FARMER'S INCOME: BACKYARD POULTRY AND GOATRY ENHANCE INCOME AND SOCIO-ECONOMIC STATUS OF TRIBAL FARMERS

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ABSTRACT

The population of Kawant, Chhotaudepur is predominantly tribal in nature. Majority of farmers were migrating in other region like Saurashtra, Gujarat for work due to low availability of water and low productivity of crop as well as livestock in this region. In this region majority of peoples are non-vegetarian and due to their non-vegetarian dietary pattern there is a good demand for meat and egg. A weekly hant for animals and poultry birds is organized on every Monday at Kawant taluka place. In this markets meat merchants come from local area as well as out states like Madhya Pradesh and Maharashtra for purchasing the same. There is good demand of Indigenous poultry birds, eggs and goat. But the production in the region is poor due to traditional method of rearing livestock. Based on need of the region, high production potential poultry bird (Pratapdhan, Kadaknath and Three way cross colour birds) has been introduced in 2014 by Krishi Vigyan Kendra, Mangal Bharti, Vadodara through organizing FLD with the help of ATMA and popularized as a source of sustainable livelihood for rural resource poor farmer. After successful completion of FLD result village farmer shri Jaysukh Revlabhai Rathva inspired and ready to adopt Goatry and poultry as enterprises and enhance their income.

Keywords: backyard poultry, socio-economic status, farmers income

Plan, Implement and Support

Shri Jaysukh Revlabhai, Rathva has a total 3 acre of land out of which 2 acre is non-irrigated. He developed interest in integrated farming system mainly by including poultry and Goatry with the existing cropping system. For acquiring information on the new subjects he approached Krishi Vigyan Kendra, Vadodara. There he participated in various training programmes like Integrated farming system, backyard poultry, Goat farming and then visit to various poultry farm those successes in the locality and search the demand of which breed is high in Hatt Bazar so get the maximum price in minimum investment, completion of survey after then he meet again to KVK Scientist and finalize the project and purchase the 1000 chicks of three way cross colour just like a Deshi type from AAU, Anand, Gujarat those bird are under observation and in testily process not finalize the breed name and 30 goat from the locally available neighboring farmers.

Output

He initiated Backyard poultry and Goatry farming in one sheds each measuring about 150 sq ft each. He has interest in backyard poultry and Goatry and his interest was ignited when he visited Poultry unit of Anand Agricultural

University, Anand, Gujarat. He started Pratapdhan, 100 birds in early 2014 (Distributed under the scheme FLD by KVK and ATMA FSS). Proper housing, feeding and disease management of birds led to early maturity (2.0 kg body weight gains in 4 months) in birds, first egg lay (at 22 weeks of age). He could sell 25 cocks in Hant bazar, Kawant @ 400/bird after 4 months of age. He managed to get about 1000 eggs from remaining 50 hens and sold each egg at the rate of Rs 9 per egg. Keeping Pratapdhan helped him in generating cost of daily expenses of his farm. In March, 2015 he replaced the birds stock by selling each bird for Rs 500. Gross income through first batch of 100 birds fetched him Rs 44,500. After this successful project and interest created in poultry he visited again the AAU, Anand and Purchase the 1000 chicks of day old Three way cross colour (seen just like a Deshi type) and high market value and more egg lying capacity) from AAU, Anand poultry farm. Shri Jaysukhbhai Revlabhai Rathva supplies the egg, bird and buckling regularly in Hant market of Kawant and gets good earning.

Shri Jaysukh Revlabhai Rathva maintained birds on kitchen and farm waste and under timely vaccination and medications. Goats are grazing in waste land in a day and extra feeding for goats from their farm by product. At present he has a total 1000 birds and 40 goats. He has set many examples for the farming community to how a farm

Extension Strategies for Doubling the Farmers' Income for Livelyhood Security

can be made commercially feasible and economically viable and sustainable.

Outcome

Due to easy accessibility of market, other farmers can also start the enterprise conveniently. It has generated employment opportunities for rural youth and farmers were enriched with sound knowledge on commercial farming of breed. The venture has successfully generated average income of Rs. 20,000 from poultry birds & eggs and Rs. 50,000 from Goat. Local non-descript birds were upgraded due to crossbreeding of improved breed. Feed back of farmers includes faster growth of birds more number of bigger sized eggs thrives well under low input system, resistance to most of the diseases, and requires small space, minimum labour force and investment.

Impact

Now a day, farmers from many places in Kawant gets inspired and confidence after meeting with Shri Jaysukhbhai Revlabhai Rathva and seeing his farm. For holistic lively-hood development, Shri Jaysukhbhai has proven that a farmer with dedication, hard work and keen interest can thrive well with integrated farming in their small land holdings. He inspired and facilitated 10 farmers to start backyard poultry and goat farming.

He was honored with the Best Farmer Award (2016-17) by the ICAR-Central Soil and Water Conservation Research and Training Institute (ICAR-CSWCRTI), Vasad, District- Anand, Gujarat, for adopting sustainable integrated farming system and increasing farm income with low cost inputs.

Table 1 : Economics of last four year (2013-14 to 2016-17)

Particular	2013-14	2014-15	2015-16	2016-17
Total Investment (₹)	15,000	98,000 (1000 @8 ₹/chick & 30 @3000 ₹/goat)	30,000	20,000
Gross Income (₹)	30,000	65,500	141,000	193,000
Total Profit (₹)	20,000	44,500	1,20,000	1,60,000
B: C ratio	1:2.00	1:0.66	1:4.70	1:9.65

CONCLUSION

- (1) Farm production system improvement through enhanced input efficiency in tribal area
- (2) Satisfying the basic needs of farm families and raising the family income
- (3) Use of crop residue and plant bio-mass as input for other enterprises, eg. its use in feeding for goat and poultry birds.
- (4) Combination of poultry and Goatry can be combined with crop raising and all these activities can be undertaken the good combinations for tribal farmers and major role in doubling farmers income in tribal area.
- (5) There is 200 to 250 per cent increase in gainful employment and additional income to farm families, increasing their standard of living and controlling the farmer's migration from tribal area.
- (6) The effect of climate variability in tribal areas on crop/animal/poultry enterprises will be different. So, the farmer will get assured income from one or the other enterprises during extreme years and natural calamities.
- (7) This Model Crop + Goatry+ Poultry should able to

generate year round employment and income-perennial yield of income in contrast to seasonal nature of income.

- (8) This Farming System as a whole provides an opportunity to make use of produce/waste material of one enterprise as an input in another enterprise at low/no cost. Thus by reducing the cost of production the profitability and benefit cost ratio works out to be high.

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