

ENCLOSED GOAT FARMING FOR MILK AND MILK PRODUCTS**Shaikh I. M.***

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ABSTRACT

Enclosed goat farming can be developed in an ideal / profitable side business but also for specific/ sole purpose- like meat production, milk production or fur production. Instead of rearing/ keeping goats for all-round production, they can be kept for these specific aims and it can also turn more profitable than general goat farming. For this purpose we have to select particular breeds of goats.

Goat milk is easy to digest than cow milk because of small fat globules and is naturally homogenized. Goat milk is said to play a role in improving appetite and digestive efficiency. Goat milk is non-allergic as compared to cow milk and it has anti-fungal and anti-bacterial properties and can be used for treating urogenital diseases of fungal origin (Wikipedia). For the first 3 or 4 days after kidding goat milk like cow milk is considered unsuitable for human.

KEYWORDS: Goat farming open/enclose, Milk, Milk- products, Meat, Fur.

INTRODUCTION

Goat farming turns to be an ideal and very profitable agro-based side business. But it is well known that instead of open goat farming – enclosed goat farming is more profitable. Enclosed goat farming produces all these things like milk, meat, manure, fur and leather. But if enclosed goat farming has to be an ideal or more profitable one we will have to select particular breed for particular purpose. If the strong – smelling buck is not separated from the does, his scent will affect the milk. This research paper/ study examine how enclosed goat farming can be more profitable for milk.

MATERIALS AND METHODS

A detailed comparative study of all the breeds all over the world/ India, Maharashtra, Marathwada was undertaken. The collected data was further analyzed and conclusions were drawn. The main focus of the study was to find out the high milk yielding variety of goat suitable for Marathwada region.

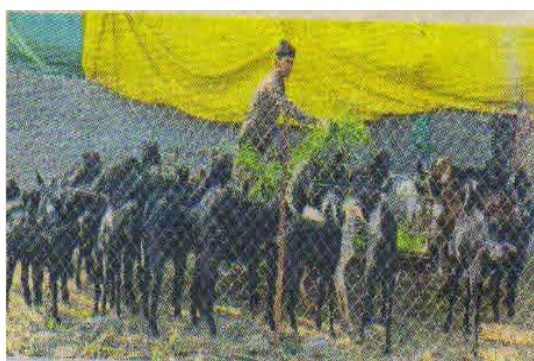
As shown elsewhere that goat milk being better than cow, buffalo milk in other respects. So, this study focuses on profitably enclosed goat farming for milk production or how goat farming can be ideally done for milk production only. All breeds of goats, Shirohi, Jamnapari, Boer, Barbari, Surti, Beetle, Alpine, Sojat, Sannel, Osmanabadi etc. All goats provide milk but there are some special varieties of goats that produce more milk than others. So if such goats are kept for milk production it will be a profitable and ideal side business.



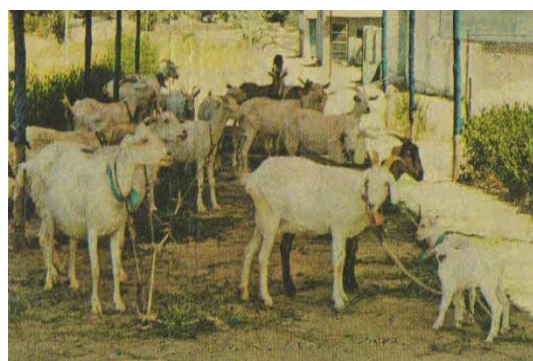
Osmanabadi Goat (Maharashtra, India)



Sannen Goat (Foreign Breed)



Osmanabadi Goat Farm



Sannen Goat Farm

Goat cheese making is becoming popular these days, as goat cheese has good nutritional value. For goat cheese making, goat milk, buttermilk, ladle, fresh lemon juice, colander, cheesecloth etc. are required.

For making goat cheese, mix all required ingredients well together in the bowl. After pouring it to pan, heat it up to 170 degrees and then cool it for twelve hours naturally after covering it with plastic wrap.

Drain the cheese mixture- using strainer after placing cheesecloth. Once drained remove the cheesecloth and then store it in container is airtight. Making goat cheese is possible at homes. Overall goats are valuable animals. Be its milk or skin or fat or meat or excreta everything has value.

OBSERVATIONS AND RESULTS

The comparative investigation of milk yield revealed that only some breeds provide more milk than others. If such breeds are specially raised or reared with special care like Surti, Saanen, Jamnapari, that give up to 3 to 4 kg per day. Why goat rising for milk? As many other studies reveal that though all milk i.e. cow, buffalo have nutritional qualities but goat milk has more medicinal properties than others. So such milk if properly advertised packed distributed and sold will surely turn out to be more profitable business than others.

The findings of the investigation also brought to the light the following findings/facts that –a general goat farming is no doubt profitable but instead of that enclosed goat farming is done with utmost proficiency with only one aim in mind i.e. rearing goats for milk in turns out to be or proves to be ideally a more profitable side business. Goat milk generally averages 3.5% butterfat. It is commonly processed into cheese, butter, yogurt, ice-cream, cajeta and other products. Some varieties include Rocamadour and Montrachet. Goat butter is white because goats produce milk with the yellow beta-carotene converted to a colourless form of vitamin – A. The good dairy type goat breeds are Saanen, Barbari, Surti, Beetal, Alpine, Anglo-Nubian, Sojat, Sirohi, Jamunapari, Osmanabadi etc.

CONCLUSION

So it is highly advisable that in an arid, dry, drought prone area like Marathwada in Maharashtra of India farmers can easily pickup this enclosed goat farming with special aim for milk production and if done with professional efficiency will give them good rewards in terms of net profit. With careful planning they can even supply such medicinal milk to patients in hospitals also.

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REFERENCES

1. Chauhan, T. R. and Balishter: Economics of Goat Milk Production in Case of Marginal Farmers and Landless Laborers. Dairy Guide, 1983; 40.
2. Devendra, C. The Role of Goats in Food Production Systems in Industrialized and Developing Countries. Conference on Goat Production, Brasilia, Brazil, 1987.
3. Fahmy, A. H., Sirry, I. N. and Safwat, A. The size of Fat Globules and the Creaming Power of Buffalo, Sheep and Goat Milk, Indian J. Dairy Sci, 1956; 9: 80.
4. Gadre. Amit, News Reporter Sannen Sheli Dudhala Bhari (Sannen Goat Better for milk Production, Daily Sakal – Agrowon, 2006; 12: 11.
5. Gall, C. Milk Production. In Goat Production, Academic Press, London, 1981; 309.
6. Jangle, Shidharth (2017): Agro-based Business, Osmanabadi Goat Farming, Daily Sakal Agrowon, 2017; 3.
7. Jenness R. Composition and Characteristics of Goat Milk Review, J. Dairy Sci, 1980; 63: 1605.
8. Loewenstein, M. Dairy Goat Milk and Factors Affecting it. Proc. Conf. Goat Prod. And Disease, Arizona, USA, 1982; 3: 226.
9. Nayak, N. K. Milk Composition and Its Constituents, Dept. of Livestock Products and Technology College of Veterinary Science, Mhow, 1983.
10. Singh, T. P., Verma, A. K and Rajkumar V. Handbook on Profitable Goat Farming, ICAR –Central Institute for Research on Goats, Makhdoom, Farah, Mathura U. P., India, 2022.
11. Taneja, V. K. Handbook of Animal Husbandry, ICARA, New Delhi, 2002.
12. Wikipedia: https://en.wikipedia.org/wiki/Goat_Farm