



Milk production practices in Purangaon of Vaijapur taluka

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Abstract

Vaijapur taluka is comes under Low rainfall, Medium Soil, Scarcity Zone. So farmers belongs to this zone majorly comes under poverty line. To boost their economic status now a day people turns towards the milk production. From the 298 houses of purangaon village of Vaijapur taluka so many farmers turns towards the dairy business for addition to farming. In our survey, farmers keeps 18 Indigenous draught breed of cattle, 128 Exotic dairy breed of cattle's, 04 Indigenous buffalo breed and 133 goats. Collectively per day milk production of this village are 751 litres. Out of which 57 (7.56%) litres was Indigenous cow milk, 602 (80.15%) litres was Jersey milk, 22 (2.92%) litres Buffalo milk and 70 (9.32%) litres goat milk.

Keywords: low rainfall, farmer's, milk production, cows etc.

Introduction

India ranks first in milk production, accounting for 18.5 per cent of world production, achieving an annual output of 146.3 million tons during 2014-15 as compared to 137.69 million tonnes during 2013-14 recording a growth of 6.26 per cent. The per capita availability of milk in India has increased from 176 grams per day in 1990-91 to 322 grams per day by 2014-15. It is more than the world average of 294 grams per day during 2013. This represents a sustained growth in availability of milk and milk products for the growing population. Dairying has become an important secondary source of income for millions of rural households engaged in agriculture [4]. Union Agriculture Minister Radha Mohan Singh told "Milk production, which was around 17-22 million tonnes in the 1960s, has increased to 163.7 million tonnes in 2016-17. Particularly, it has increased by 19% during 2016-17 in comparison to the year 2013-14. Similarly, per capita availability of milk has increased from 307 grams in 2013-14 to 351 grams in the year 2016-17. Similarly, the income of dairy farmers increased by 23.77% in 2014-17 compared to 2011-14" [3].

According to NARP Maharashtra State is divided in 9 Agro climatic zones (ACZ). Total Area of Aurangabad District comes under western Maharashtra dry zone and central Maharashtra Plateau zone. According to rainfall, topography, soil type etc, Aurangabad district is divided into 5 Agro Ecological Situations. Vaijapur is comes under Low rainfall, Medium Soil, Scarcity Zone [1]. So farmers belongs to this zone majorly comes under poverty line. To boost their economic status now a day people turns towards the milk production.

Purangaon is a Village in Vaijapur Taluka in Aurangabad District of Maharashtra State, India. It belongs to Marathwada region of Aurangabad Division. It is located 84 KM towards west from District head quarters Aurangabad. 25 KM from Vaijapur. Vaijapur, Shirdi, Shrirampur, Yeola are the near by Cities to Purangaon. According to 2011 census

Total population of Purangaon Village is 1396 and number of houses are 298. Female Population is 48.4%. Village literacy rate is 67.0% and the Female Literacy rate is 28.4%. [2].

The survey was carried out to estimate the amount of milk production and annual income from these practices. During this survey two types of dairy production system were observed, one is traditional and second is advanced. The daily milk production of traditional was comparatively very low from advanced system. In traditional system farmer temporarily keeping the herd of cow with lot of unhygienic and engaged in other work. But, in case of advanced system he mentions all hygiene and proper care of cow and other milk producing animals.

Material and Methods

The survey were carried out by direct visit to cow farm of owner and on the based of oral discussion with owner. Information was collected and data were interpreted in laboratory.

Results and Discussions

From the 298 houses of purangaon so many farmers turns towards the dairy business for addition to farming. We conduct the survey of 50 farmers from Purangaon of Vaijapur taluka. We focused on the how secondary income source give economic stability to the farmers in this dry prone zone of Aurangabad region of Maharashtra. Farmers reared the variety of breeds ie Indigenous draught breed of cattle like Khillari, Hallikar, Amritmahal, Hariyana etc., Exotic dairy breed of cattle's ie Jersey, Jersey cross, Holstain friesion, Holstain friesion cross etc. and Indigenous buffalo breed ie Murrah, Surti, Jaffrabadi, Nagpuri etc.

In these survey farmers keeps 18 Indigenous draught breed of cattle, 128 Exotic dairy breed of cattle's, 04 Indigenous buffalo breed and 133 goats. Collectively per day milk production of this village are 751 litres. Out of which 57 (7.56%) litres was Indigenous cow milk, 602 (80.15%) litres

was Jersey milk, 22 (2.92%) litres Buffalo milk and 70 (9.32%) litres goat milk.

In purangaon there was milk production of 751 litres per day and an average price 25 rupees per litre. That means the total income of these farmers is 18775 rupees per day, whereas average expenditure is 5840 rupees per day. The annual average income is 43, 62,720 rupees and average expenditure is 11, 61,820 rupees per annum. The collectively net income from this business is 32, 00,900 rupees per annum.

Due to such practices so many unemployed people got employment and economic stability. From such practices people got lot of cow dung which is used as a green fertilizer. So many people convert this cow dung and other raw fodder in to compost manure by using earthworm and making 50 Kg. packing of compost and sold this compost as a green fertilizer which is also one of the small scale businesses. Economy of this village now a day is growing day by day. In future milk production could increases if the full time farmers move towards management practiced by new farmers with a higher number of crossbred cows, adequate amount and quality of roughage.

References

1. Source: District Profile; Department of Economics and Statistics Market Strategy Supplement, Aurangabad
2. <http://www.onefivenine.com/india/villages/Aurangabad-District/Vaijapur/Purangaon>
3. <http://www.thehindu.com/news/national/india-leads-in-global-milk-production/article22320382.ece>
4. <http://pib.nic.in/newsite/PrintRelease.aspx?relid=136849>