

Hydroponic technique: God gift to Milk Industry

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AP-Rajale Tal-Phaltan Dist- Satara

Milk industry is considered as second rank industry in Maharashtra. Milk is used in every bakery products. Milk has first preference in human diet. Milk is best to overcome lack of problems in human body.

Fodder is very important for livestock, without fodder this industry will not run. For fodder farmer reserve a part of their land & from that land they fulfill their requirement.

Making of fodder by Hydroponic technology in minimal land area& by fodder development programme of agricultural department, Maharashtra government apply various schemes for dairy industry.

At Rajale village Tal-Phaltan Dist-Satara fodder production technique extension was done by agriculture department. Precautions taken while construction of hydroponic unit, nutritious facts obtain from hydroponic green fodder, health of animal ,increased milk production, growth in fat, for fodder production it requires less land area. This various benefits told to farmers by Mr.Sachin Jadhav, Agricultural Assistant in farmers meetings, in corner meetings.

Rajale village is 10 KM away from Phaltan. Rajale is famous for Goddess “Janaidevi”.Rajale is well Known in phaltan taluka for tourism as well.

Mr.Ramesh Tukaram Shinde, 52 years old farmer from Rajale whose education is 10th standard, is very interested in farming and eager to new technology, Mr.Shinde reserved some land out of his four acres After leaving school, Mr. Shinde was working in sugar factory ad temporary labour. He started farming along with his job. He started milk production from 2005 by four cows. He left his job& gave more concentration on milk production. Wheat, maize, sugarcane crops used as fodder & including Lucerne. Milk industry is a god gift to farmers. From a cow we got 20 liter milk as a rate of Rs.20/lit. So income from a cow is Rs.400/day. As this part milk production is profitable. Fodder is very important in livestock. Green fodder is important for increasing milk production. Problem of fodder is always occur in summer season & in rainy season transport of fodder from farm to livestock shed becomes problematic. At this time, we are unable to give green fodder to livestock. For maize cultivation it requires 65-70 days.

Mr.Ramesh Shinde told that, information of hydroponic fodder technique by Agri. Department, government of Maharashtra was given by Mr. Sachin Jadhav. I had finalized unit under the guidance of Mr.Sachin Jadhav. Now I have 12 cows. This unit has given me benefit for fulfillment of fodder requirement. In 7 days .6-7 kg green fodder obtain from 0.5 kg maize. There is good effect in milk production due to this fodder.

I was not trusted in hydroponic technique. Because in seven days we got green fodder which is surprise to me. I understood the method of production. I have 70 tray containing 05.kg seed in my unit. The method of hydroponic is, firstly maize soak in water for 24 hours, later on keep it in wet bag tightly for 12 hours. After this remove from wet bag & keep 0.5 kg in every tray . Timer was set for a minute fogger for every interval at a hour. 490 kg fodder was produced from 70 tray in 7 days. Maize seed was purchased as Rs 14/kg from the market. From one kg seed 7 kg fodder was produced. Cost of production of green fodder is Rs.0.70/kg. Hydroponic is god gift to farmer. The proposal was sent to Agri. department under Rashtriya Krishi Vikas Yojana (RKVY). For unit total cost is Rs.24000,from subsidies we got 25% i.e. Rs 6000. Due to green fodder cows are healthy, fat increase so rate also increases .Due to Open House method labour cost for dung collection becomes less. In this shedsoultry birds are permitted so they spread dung by their legs& eats insects so quantity of insects becomes less and production increases. we gave hydroponic fodder to cows resulted in high quality of cow dung. Now many farmers from surrounding villages visits to hydroponic unit & take information about this technique.

From agriculture department, Mr. Jitendra Shinde – Superintending Agriculture Officer, Satara; Mr. Krishnarao Dhumal-Sub divisional Agri Officer, Phaltan; Mr. Gorakhnath Doiphode-Taluka Agri. Officer, Phaltan; Mr. Rajendra Dombale-Agri.Officer, Barad; Mr. Appasaheb Waghmode-Agri Supervisor, Mr.Sachin Jadhav-Agri. Assistant, always guides me. Hydroponic fodder technique of Agricultural department is benefited for milk production. Scheme should run continuously. So problem of green fodder becomes less& milk production resulted in good site business to farmers& economic growth of farmers.



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