

TITLE OF THE SUCCESS STORY – 02:

Improvement in milk yield, fat percentage and conception rate by feeding of bypass fat in crossbred cows.

FARMER DETAILS:



Shri. Sudhir Uttam Dhauskar,
Ibrampur, Pernem Taluka, North Goa.
Contact No : 9420979146

DETAILS OF SUCCESS STORY:

BACKGROUND:

Shri. Sudhir Dhauskar is a young farmer, aged 42 years and doing dairy farming for almost 15 years (August 2002). He has Holstein Frisian cross bred cows and every year he used to maintain 10-12 good yielding cows with him. Average milk yield of the animals are 10-12 litres a day. Farmer was very much satisfied with milk yield but he used to get less price for the milk due to low fat percentage of HF crossbred animals i.e. 3.2-3.7 and dairy cooperative societies decide milk price based on fat percentage of milk.

All the cows used to conceive regularly but late (4-6 months after parturition) than the standard period (2-3months after parturition). Delay in conception is due to stress on the animals i.e. generally after 3-4months of parturition, animals are in negative energy balance due to loss of energy through calving, colostrum and high milk production. This type of predisposing factors for stress effects on reproduction of the animals hence animals conceive late. This delay in conception and low-fat percentage in the milk were two big problems for the farmer. Under FLD of Krishi Vigyan Kendra, farmer has tried bypass fat and got good results and found increase in milk yield, fat percentage and conception rate of the herd.

INTERVENTION PROCESS:

Bypass fat was fed along with other normal feed and fodder to 4 recently calved HF crossbred cows and 4 other Holstein Farsistan crossbred cows kept as check. Bypass fat was fed @ 200 grams / 10 litre of milk production for a period of 4 months. Fat and milk yield was recorded for this period.

INTERVENTION TECHNOLOGY:

Bypass fat technology is developed by ICAR CCARI Old Goa. Bypass fat should be feed @ 10-20 gram per litre of milk yield from 15 days before calving to 90 - 120 days after calving.

IMPACT HORIZONTAL SPREAD:

Other 12 farmers started to feed bypass fat feed supplement to their cows.

IMPACT ECONOMIC GAINS:

The price of the 01 kg bypass fat is Rs. 100/-. Farmer spent total of Rs. 2,500/- for purchase of 25 kilo Bypass Fat feed supplement. Trial was started in 4 recently calved cows and other 4 cows kept as check. Bypass fat was fed @ 20 gram / lit of milk for a period of 4 months. During this four-month period, milk yield and milk fat percentage of both groups were recorded. We recorded total of 9.7 % more milk yield and 18.81% more fat percentage in demo (fat percentage 4.42 %) than check (fat percentage 3.72 %). Total of 1392 litres of milk was recorded in check while in demo group we have recorded 1528 litres milk yield thus due to feeding of bypass fat to the cows farmer got 136 litres more milk with total additional income of Rs. 8776/- animal for the period of 4 months and all the four cows of demo group conceived within 3 months.

GLIMPSES OF SUCCESS:

