

7e. Cost benefit analysis for the case study done on animal



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Ex-ante analysis

Weather situation: Monsoon season (Rainfall + high relative humidity)

Agro Advisory: The proposed agro met advisory is to get animal vaccinated from near by veterinary hospital or at animal camp.

Table 1. Partial budgeting for agro met advisory for foot and mouth disease in milch and draught animals

Stage of the animal	Losses	Amount (Rs.)	Gains	Amount (Rs)	Estimate change (Rs.) (Gain-Loass)
Animal of > 1 year	Additional cost on vaccination (taking animal to hospital- labour cost)	250.00	a. Free from diseases (saving from subsequent treatment if not get vaccinated)	1000.00	-
	Reduced return	-	Added cost	250.00	-
	Sub total	250.00		1250.00	1000.00 +

Weather situation: Monsoon season (Rainfall + high relative humidity)

Agro Advisory: The proposed agro met advisory is to clean the udder before milking with one per cent potassium permanganate solution

Table 2. Partial budgeting for agro met advisory for mastitis in milch animals

Stage of the animal	Losses	Amount (Rs.)	Gains	Amount (Rs)	Estimate change (Rs.) (Gain-Loass)
Milch animal	Additional cost on preparation of potasium permangante for one month to be used per animal per month – 1kg KmNO4 / month	600.00	a. Free from bacterial contamination in the udder pores and smooth milking and this added 600 ml of additional milk every day	756.00	-
	Reduced return	-	Added cost	600	-
	Sub total	600.00		1356.00	756.00 +

Weather situation: Wind speed more than 20 km during day time and prevalence of dry weather

Agro Advisory: The proposed agro met advisory is to screen with sacks on the sides of the cage are to minimise the wind speed with in poultry shelter and also provide enough clean drinking water

Table 3. Partial budgeting for agro met advisory for feed waste in poultry shed

Stage of the animal	Losses	Amount (Rs.)	Gains	Amount (Rs)	Estimate change (Rs.) (Gain-Loass)
Broiler Birds one day feeding for 100 birds at 200 g each at the rate of Rs. 100 per kg of poultry feed	Additional cost on putting 100 sacks around the poultry shelter of 5 x 20 x 2 m dimension to cage 100 birds. The sack is kept for 180 days and cost per day is Rs. 5.5	5.50	a. Avoiding 30 per cent (6 kg) wastage by drifting (Total food requirement 20 kg / 100 birds/ day) @ Rs. 100/kg	600.00	-
	Reduced return	-	Added cost	5.50	-
	Sub total	5.50		605.50	600 +

Summary

- Results were clearly revealed that by adopting agro met advisory at field level would offer possible benefits to the farmers in terms of providing enhanced cash flow by reducing weather and climate related rice production risks.
- The study hypothesis envisaged that whenever weather based agro met advisory is adopted by the farmers, there would be profound reduction in crop production risks.