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**Appendix 1: Economics of broilers (Rs.) kept under different feeding management practices (2-6 weeks)**

Feeding Method	Continuous Feeding	Continuous Feeding + Fat 3%	Intermittent Feeding	Intermittent Feeding + Fat 3%	Feed Withdrawals	Feed Withdrawal + F 3%
Chick	14	14	14	14	14	14
Housing	1	1	1	1	1	1
Equipment	2	2	2	2	2	2
Labour	1	1	1	1	1	1
Litter	1	1	1	1	1	1
Medication	3	3	3	3	3	3
Miscellaneous	2	2	2	2	2	2
Automation	0	0	0.40	0.40	0.40	0.40
Electricity	0.75	0.75	1	1	1	1
Feed Consumed	<b>3.05</b>	<b>2.86</b>	<b>2.77</b>	<b>2.5</b>	<b>2.87</b>	<b>2.71</b>
Feed Cost also	35.38	37.204	32.132	32.75	33.29	33.501
Others	0	0	0	0	0	0
Expenditure	<b>60.13</b>	<b>61.95</b>	<b>57.47</b>	<b>58.09</b>	<b>58.63</b>	<b>60.84</b>
Mortality	3	2	0	0	1	0
Mortality Loss	6.01	4.22	0	0	1.92	0
Net Expenditure	66.14	66.17	57.47	58.09	60.55	60.84
Weight gain (2-6)	<b>1.72</b>	<b>1.63</b>	<b>1.63</b>	<b>1.56</b>	<b>1.63</b>	<b>1.56</b>
Live Weight Cost	45	45	45	45	45	45
Income	77.4	73.35	73.35	72	73.35	70.2
Profit (Rs. Per birds)	11.26	7.18	15.88	13.10	12.80	9.36

Feed without fat = Rs. 580 per bag = **11.6/kg**

Feed with 3% fat = Rs. 655 per bag = **13.1/kg** (addition of 1.5 kg oil add Rs. 75 per bag)

Cost of system = Rs. 100,000/- for 10,000 broilers space per year

Total No of Broiler per year = 10,000 x 5 = 50,000/-

Depreciation of equipment per year @ 20% = 100,000 x 20/100 = 20,000/-

Automation cost per bird = 20,000/50,000 = **Rs. 0.40**

**Appendix 2: Chemical composition of experimental rations, with (3%) and without fat supplementation (0%).**

Feed	0%	3%	Units
<b>Metabolizable Energy (ME)</b>	2700.00	2964.00	ME /KG
<b>Crude Protein (CP)</b>	21.00	20.44	%
<b>ME/CP (Ratio)</b>	128.57	145.00	
<b>Fat</b>	3.29	5.64	%
<b>Ash</b>	6.14	5.71	%
<b>Crude Fiber</b>	2.78	2.50	%
<b>Dry Matter</b>	92.50	93.50	%
<b>Moist</b>	7.50	6.50	%
<b>Sodium</b>	2400.00	2250.00	ppm
<b>Potassium</b>	6600.00	6000.00	ppm
<b>Chloride</b>	3514.50	3195.00	ppm
<b>Calcium</b>	4580.00	3920.00	ppm
<b>Total Phosphorus</b>	5781.60	4519.20	ppm
<b>Magnesium</b>	1027.00	1007.00	ppm
<b>Copper</b>	1.14	0.84	ppm
<b>Zinc</b>	67.00	56.00	ppm
<b>Iron</b>	67.00	53.00	ppm
<b>Manganese</b>	6.50	5.40	ppm
<b>Selenium</b>	1.65	1.22	ppm
<b>Electrolytes Balance</b>	174.00	161.00	mmol/kg