Iowa 4-H Youth Development

Laying Flock Project Worksheet

Table I

Number of pullets at start _____ value $_____ Number of hens at end _____ value $_____

Breed _____ Age of pullets at start of project _____ months

Size of laying house _____ ft. x _____ ft. Amount of feeder space per hen _____ inches

Cage size _____ sq. inches Number of hens per cage _____

Method of feeding _____ Average weight of pullets when housed _____
(Name specifically as mash and grain fed free choice, all mash, or restricted feeding)

Date project started _____ Date project ended _____
Project should be started when pullets are housed. If this is not possible, it should be started no later than Oct. 1.
Project should be ended when all hens are sold. If all are not sold by Sept. 30, end project at this time.

Cost of laying house when new $_____ Cost of equipment when new $_____

Table II Financial Arrangement

A. Credit Arrangement: To finance this project, I borrowed $_____ from

_____ at _____ percent interest. I paid it back as follows:

Date _____ principle $_____ interest $_____ Date _____ principle $_____

interest $_____ Total principle $_____ Total interest $_____

B. No Credit Arrangement: To finance this project, I used $_____ of my own money for birds, feed, and other cash costs. I allowed _____ perecent interest on this money or $_____ as the cost of having my money invested in this project. *(Transfer above to Table III)*

Table III Other Expenses in Addition to Feed Costs

Date	Item (Litter, vaccines, interest, etc.)	Amount	Date	Item (Litter, vaccines, interest, etc.)	Amount
		$			$
				TOTAL OTHER EXPENSES	$

IOWA STATE UNIVERSITY
Extension and Outreach

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Table IV Summary of Production and Sales, By Months

Changes in flock							Egg Production		Eggs marketed and used at home				Poultry marketed and used at home				Total receipts	
Month	No. birds first of month 1	No. birds last of month 2	Av. no. of birds 3	No. died 4	No. culled 5	% Mortality Col. 4 Col. 1 x 100 6	Total eggs produced 7	Av. per bird (Col. 7) (Col. 3) 8	No. of eggs sold 9	Value of eggs sold 10	No. of eggs used at home 11	Value of eggs used at home 12	No. of birds sold 13	Value of birds sold 14	No. of birds used at home 15	Value of birds used at home 16	Add columns 10, 12, 14, and 16 17	
Jan.																		
Feb.																		
March																		
April																		
May																		
June																		
July																		
Aug.																		
Sept.																		
Oct.																		
Nov.																		
Dec.																		
Totals																		

Table V Feed Costs

(Record date, amount, and price of feeds purchased or used from home source)

Month	Pounds and cost of grain						Supplement (22% or more protein or other feeds stuff)				Mash (under 22%)				Miscellaneous feed (include oyster shells, grits, etc.)			
	Corn		Oats		Other grain		Name		Name		Name		Name		Name		Name	
	Pounds 1	Total cost 2	Pounds 3	Total cost 4	Pounds 5	Total cost 6	Pounds 7	Total cost 8	Pounds 9	Total cost 10	Pounds 11	Total cost 12	Pounds 13	Total cost 14	Pounds 15	Total cost 16	Pounds 17	Total cost 18
Jan.																		
Feb.																		
March																		
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Oct.																		
Nov.																		
Dec.																		
Totals																		

Keep a record on a separate sheet of all grain, supplement, and mash purchased and home-grown grain used. At the end of the month, record the totals of purchased, quantities weighed out or, amount fed in Table V above.

Total Grain Cost (Col. 2 + 4 + 6) $ _____ Total Supplement Cost (Col. 8 + 10) $ _____

Total Mash Cost (Col. 12 + 14) $ _____ Total Miscellaneous Cost (Col. 16 +18) $ _____

Total Feed Cost $ _____ (to Table VI, line 7)

Table VI Financial Summary

1. Value of hens at end of project ..... Table I $ _____

2. Value of eggs produced (Sold and used at home) ..... Table IV $ _____

3. Value of hens sold and used at home ..... Table IV $ _____

4. Value of premiums won ..... $ _____

5. Total income from project (add lines 1, 2, 3, and 4) ..... $ _____

6. Value of pullets at start of project ..... Table I $ _____

7. Feed costs ..... Table V $ _____

8. Use of laying house (5% of original cost) ..... Table I $ _____

9. Use of equipment (10% of original cost) ..... Table I $ _____

10. Other expenses (include interest, cost) ..... Table III $ _____

11. Total expenses (add lines 6, 7, 8, 9, and 10) ..... $ _____

12. Net return from project (subtract line 11 from line 5) ..... $ _____

Table VII Record Analysis

13. Total eggs produced (Table IV, Col. 7) ..... _____ eggs

14. Total dozens of eggs produced (line 13 ÷ 12) ..... _____ dozens

15. Average number of hens in flock (Table IV, total, Col 3 ÷ total no. months) ..... _____ hens

16. Average yearly egg production per hen (line 13 ÷ line 15) ..... _____ eggs

17. Feed cost per dozen eggs (line 7 ÷ line 14) ..... _____ cents

18. Total cost per dozen eggs (line 11 ÷ line 14) ..... _____ cents

19. Total feed consumption (add together the totals from columns 1, 3, 5, 7, 9, 11, 13, 15, and 17 in Table V)

..... _____ Total lbs.

20. Feed consumption per dozen eggs (line 19 ÷ line 14) ..... _____ lbs.

21. Percent mortality

$$\frac{\text{Total column (Table IV)}}{\text{Total Table I (No. of pullets at start)}} \times 100$$ ..... _____ %

22. Income per hen (line 12 ÷line 15) ..... $ _____