



2012 Commercial Dairy Heifer Record Book

Name:		Jr. (age 9-8th grade) Sr. (9-12 grade):
School Name:	Age:	Grade:
Address:		
City:	State:	Zip:
Phone:	County	
Name of 4-H Club or FFA Chapter:	Years in 4-H or FFA:	

4-H or FFA Member's Signature:
Parent or Guardian's Signature:
Agent's Signature (4-H): OR
Teacher's Signature (FFA):

SECTION I -- 35 POINTS RECORDS FOR YOUR COMMERCIAL DAIRY HEIFER

Heifer Information: You must have a beginning weight and a starting date. Final weight and ending height date for this record book should be no earlier than February 1 and no later than February 23.

	Heifer #1	Heifer #2	Heifer #3
Heifer's Name:			
Heifer's Ear Tag or Tattoo Number:			
Breeder's Name and Address:			
Heifer's Breed or Color			
Heifer's Birth Date			
Total Days on Feed			
Beginning Withers Height & Date			
Ending Withers Height & Date			
Beginning Weight & Date	A.	A.	A.
Ending Weight & Date	B.	B.	B.
Total Weight Gain (B-A)	C.	C.	C.

SECTION I cont'd

3. Other Costs:

	Heifer #1	Heifer #2	Heifer #3
Cost or Value of Animal	F.	F.	F.
Minerals, Vitamins, Salt and Other Feeds Not Listed in Question 2	G.	G.	G.
Veterinary Costs -- Vaccines, dewormers, Lice Controls, Blood Work	H.	H.	H.
Entry Fees, Trucking, Show supplies, and Other Costs	I.	I.	I.
Total Costs (F+G+H+I)	J. \$	J. \$	J. \$
Total Feed and Other Costs (E+J)	K. \$	K. \$	K. \$

4. Income:

	Heifer #1	Heifer #2	Heifer #3
Prize Money Won With This Heifer	L.	L.	L.
Prize Money Won in Showmanship with this Heifer	M.	M.	M.
Total Income (L+M)	N. \$	N. \$	N. \$
Total Spent (K)	O. \$	O. \$	O. \$

5. Performance Record:

	Heifer #1	Heifer #2	Heifer #3
Total Weight Gain (from question 1)	P.	P.	P.
Total Days on Feed (from question 1)	Q.	Q.	Q.
Average Daily Gain (P / Q)	R.	R.	R.
Feed per pound of gain (D / P)	S.	S.	S.
Cost per pound of gain (E / P)	T.	T.	T.
Frame Growth (Final Withers height – Starting Withers Height)	U.	U.	U.

SECTION II -- 20 Points

6. Your Time with Your Project:

	Heifer #1	Heifer #2	Heifer #3
Hours Spent General Care (Daily Feeding, Watering, etc.)	V.	V.	V.
Hours Spent Working with Animal/Practicing (Walking, Setting Up, etc.):	W.	W.	W.
Hours Spent Preparing for Show (Washing, Clipping, Combing, etc.):	X.	X.	X.
Hours Spent Elsewhere (Artificial Insemination, etc.)	Y.	Y.	Y.
Total Number of Hours Spent With Project (V+W+X+Y):	Z.	Z.	Z.

(a) Explain why protein and TDN content of a feed are important.

Select one of your heifers and complete this section.

(b) What was the breed of your heifer? What advantages does this breed possess? What characteristics does this animal possess that made you select it?

(c) If you could change anything about your heifer, what would you change to make her a better show animal?

SECTION II cont'd

(d) When you show this animal how would you compensate for the above described faults?

SECTION III -- 20 POINTS

7. Dairy Industry and Dairy Product Worksheet:

1. Name seven breeds of dairy cattle. _____

2. Which breed produces milk with the highest total protein content? _____

3. Name five nutrient categories found in milk. _____

4. Name five dairy products made from milk. _____

5. What is the fat percentage of low fat and whole milk? _____
6. Which county produces the most milk in Georgia? _____
7. Which county has the most dairy farms in Georgia? _____

8. What state in the lower 48 states has the highest average mailbox price? _____
9. How many calories are there in an 8 oz. glass of whole milk? Skim milk? _____
10. What is the slogan for the current dairy product promotion program? _____

11. According to the food guide plate, how many servings of milk and dairy products should a teenager consume daily? _____

12. Which nutrient in milk and dairy products helps to prevent osteoporosis? _____
13. How much money do dairy producers contribute per hundred pounds of milk for promotional advertising? _____
14. What is the process called that kills harmful bacteria in milk? _____
15. What is the process called that breaks the fat globules and prevents them from rising to the top as cream?

16. The average daily gain of a dairy heifer should be _____ pounds a day.

Supporting Material (two pages only) 5 POINTS
(Pictures-with caption, newspaper articles, etc., that support your Dairy Heifer project)

Instructions for Completing 2012 Commercial Dairy Heifers Record Books

This record book is for Junior and Senior participants. Juniors must be age 9 before January 1, 2012 and must not have completed 8th grade, and Seniors are grades 9-12.

1. All entries must be from bona-fide 4-H or FFA members for the current year. All commercial dairy heifers that have record books submitted must be entered in the 2012 State Commercial Dairy Heifer Show.
2. Record keeping is from the date of purchase until no earlier than February 1 and no later than February 23.
3. For participants not attending the 2012 Georgia Junior Livestock Show, the Commercial Dairy Heifer Record Book **must be received by Monday, February 6th** to: Heather K. Shultz, Hoke Smith Annex #321, Athens, GA 30602 **OR** they may be delivered to the Miller-Murphy-Howard Building, no later than **9:00 a.m. Friday, February 24th**.
4. The record book is complete. No additional pages are allowed. Do not submit record books in notebooks or binders. You may use construction paper for the two Supporting Materials pages, but they must be 8 ½" X 11". Use only one side of the pages for your Support Materials.
5. All signatures must be obtained on the front of the record book. If the record book does not have all required signatures, the record book will automatically be disqualified and will not be evaluated for awards.
6. Records must be hand written by the member.
7. Plagiarism is not allowed. If an entry is suspected of plagiarism it will be disqualified and ineligible for awards.
8. The top five Junior and Senior Record Books will be recognized at the Georgia Junior Livestock Award Banquet, Friday, February 24th. Additional awards may be awarded to selected placings once donor funds have been confirmed.

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