



Manatee River Fair Association

Dairy/Dairy Goat Care and Feed Record Book

Circle One:	Dairy	Dairy Goat	
Circle One:	Junior	Intermediate	Senior

Name _____ Age (September 1) _____

Club/Chapter _____

Years in Project _____

I hereby certify that I have personally been responsible for the care of this animal, have personally kept records on this project, and have personally completed this record book.

Member Signature _____ Date _____ Initials for fair _____

I/We, the parents/guardian certify that our son/daughter has completed this record book and I/we have reviewed it for completeness and accuracy of reporting.

Parent/Guardian Signature _____ Date _____ Initials for fair _____

I have reviewed this record book for completeness and accuracy of reporting.

Organizational Leader Signature _____ Date _____ Initials for fair _____

FOR USE AT THE MANATEE COUNTY FAIR NOT FOR 4-H MEMBERS

Note: The County Fair rules require that you submit a Care and Feed Record Book to them (check with the Fair Office for due date) if you enter any animal in the County Fair even if you don't show that animal for any reason. If you do not turn in a record book to the Fair, you cannot show ANY animal at next year's County Fair.

Purpose

The purpose of a Dairy Cattle and Dairy Goat project is:

- To become aware of the scope and economic significance of the dairy industry.
- To acquire skills in dairy production through ownership and the care of dairy animals.
- To learn marketing, processing, distribution, consumption, and use of dairy products.
- Learn and practice principles of cleanliness and sanitation as applied to the production and care of dairy products.
- To understand the business aspects and economics of purchasing animals, feeds, facilities, and equipment for a dairy project.
- To develop integrity, sportsmanship, and cooperation.
- To develop leadership abilities, build character, and assume citizenship responsibilities.

Dairy and Dairy Goat Care and Feed Record Book Guidelines:

It is suggested that a copy of the record book be made for use as a work copy. Records should then be transferred into this book for submission.

- Your record book should start with the **purchase date of your animal or September 1st of the current year (for ongoing project animals)**.
- Your record book should contain information relating only to your current dairy or dairy goat project animals. If you have more than one project animal you must identify which animal when completing the various sections of this record book.
- Always double-check your math and have someone check your project Story/Essay for spelling and grammar before you write it in the final record book.
- **Your final record book must be hand written by the exhibitor (Juniors may use pencil or pen, Intermediates & Seniors must use pen, however the Project Story /Essay may be typed (on 8 ½ X 11, single-sided paper, in a 12 point double spaced font, by the exhibitor and attached.**
- Junior members (age 8-10) Recommended Story/Essay length is no less than one page.
- Intermediate members (age 11-13) Recommended Story/Essay length is no less than 2 pages.
- Senior members (age 14-18) Recommended Story/Essay length is no less than 3 pages.

II. PROJECT ANIMAL INVENTORY * (to be up to date by Fair Record Book check in)

List all animals you own at the beginning of the project and add animals you purchased or animals born during the project year. Animals sold should have a \$0 value at end of project on this page and income is recorded under INCOME – ANIMALS SOLD.

****Beginning \$ Value:** Value of existing animals at beginning of project OR purchase cost of new animals OR value of animals born.

***Animals received as a gift should have \$0 beginning value and estimated value at the end.**

***\$ Value at End of Project:** Your animal’s value should increase and is an estimated value.

Animal Tag # or Tattoo #	Breed	Sex	Date Acquired or Born	Beginning \$ Value**	\$ Value at end of project*	Indicate if animal sold, kept, died, etc.
Value at Beginning						
Value at End/Value of Animal Assets						

III. PEDIGREE – Complete as much as possible * (to be completed by Fair Record Book check in)

Animal #1 - Name _____

Sire	Name	Reg. No.	Paternal Grandsire	Reg. No.
			Paternal Granddam	Reg. No.
Dam	Name	Reg. No.	Maternal Grandsire	Reg. No.
			Maternal Granddam	Reg. No.

III. PEDIGREE continued * (to be completed by Fair Record Book check in)

Animal #2 - Name _____

Sire		Paternal Grandsire	Reg. No.
Name	Reg. No.	Paternal Granddam	Reg. No.

Dam		Maternal Grandsire	Reg. No.
Name	Reg. No.	Maternal Granddam	Reg. No.

Animal #3 - Name _____

Sire		Paternal Grandsire	Reg. No.
Name	Reg. No.	Paternal Granddam	Reg. No.

Dam		Maternal Grandsire	Reg. No.
Name	Reg. No.	Maternal Granddam	Reg. No.

Animal #4 - Name _____

Sire		Paternal Grandsire	Reg. No.
Name	Reg. No.	Paternal Granddam	Reg. No.

Dam		Maternal Grandsire	Reg. No.
Name	Reg. No.	Maternal Granddam	Reg. No.

Animal #5 - Name _____

Sire		Paternal Grandsire	Reg. No.
Name	Reg. No.	Paternal Granddam	Reg. No.

Dam		Maternal Grandsire	Reg. No.
Name	Reg. No.	Maternal Granddam	Reg. No.

IV. NON-FEED EXPENSES * (to be completed by Fair Record Book check in)

List (non-feed expenses) everything that you spent money on that you will **NOT** have at the end of the project. This should **NOT** include feed or hay. This includes entry fees/Fair pass, veterinary expenses (health papers), bedding, pure bred registration fees, breeding expenses, semen, pregnancy test fees, deworming items, marketing costs (i.e. printing, stamps & envelopes) and other expendable items such as shampoo, printing of pictures, ink etc.

Date	Description	Paid to	Total Cost
Total Non-Feed Expenses			

V. FEED EXPENSES * (to be up to date by Fair Record Book check in)

List all feed expenses on pages 7 & 8. Each feed purchase including weight should be listed separately. **Youth that have production animals housed at a dairy and do not receive income from milk sales should record approximate amount of feed consumed per month on the Ration Record page not this page, so as not to reflect an expense you do not have.** All hay expenses are to be recorded on page 9.

Date	Description	Paid To	Pounds	Total Cost
Page Total – Pounds of Feed				
Page Total – Feed Cost				

V. FEED EXPENSES continued* (to be up to date by Fair Record Book check in)

List all feed expenses on pages 7 & 8. Each feed purchase including weight should be listed separately. **Youth that have production animals housed at a dairy and receive no income from milk sales should record approximate amount of feed consumed per month on the Ration Record page not this page, so as not to reflect an expense you do not have.** All hay expenses are to be recorded on page 9.

Date	Description	Paid To	Pounds	Total Cost
Page Total – Pounds of Feed				
Page Total – Feed Cost				

VIII. INCOME - ANIMAL(S) SOLD

() Check here if you did not sell your project animal. **If you have no income from this project, THEN ENTER ZERO.**

Date	Description (Breed, ID# if any)	Purchased by	Weight	Age	Total

Income from Sale of Animals \$ _____

IX. OTHER INCOME – SHOW PREMIUMS AND RECEIPTS

Other project income should be recorded here, such as show premiums or other money earned. **If you have no other income from this project, THEN ENTER ZERO.**

Date	Description (Show/contest/demonstration/placing and or ribbon)	Total
	Total Other Income, if none, enter zero	

XII. MILK PRODUCTION RECORD * (to be up to date by Fair Record Book check in)

List the average monthly amount of milk produced (in pounds) by each animal. The measure for lactating dairy goats may vary but must be identified. Record the income received from milk sales if you receive a milk check. If your animal is housed at a dairy, contact that dairy for monthly production records. If you exchange milk for housing/care with the dairy, you should still record the milk produced but indicate below that you do not receive income from milk produced by your cow/s. If your animals are not lactating enter zero.

	Animal # 1	Animal #2	Animal #3	Animal #4	Animal #5	Total
September						
October						
November						
December						
January						
February						
March						
April						
May						
June						
July						
August						
Yearly Total						

Income from Sale of Milk\$_____

I do not receive income for milk produced by my cow/s_____ (✓)

III. GROWTH AND DEVELOPMENT RECORD * (to be up to date by Fair Record Book check in)

1. Measure heart girth and height at withers of your animal at one month intervals.
2. Plot numbers on the charts below. (If your animal weighs 200 pounds at two months and is 40" in the heart girth, put a dot where two months and 40" meet.)
3. Use this same procedure through to 18 months and then join the dots using straight lines.
4. Use different colored pencils when putting more than one animal on a chart.
5. This record does not need to be completed on every animal, but once completed a few times, will teach you how to measure growth rate.

HEART GIRTH

	75														
	70														
	65														
	60														
	55														
	50														
Inches	45														
	40														
	35														
	30														
	25														
	20														
	15														
	10														
	05														
		02	04	06	08	10	12	14	16	18	20	22	24	26	28
		Age in Months													

HEIGHT AT WITHERS

	75														
	70														
	65														
	60														
	55														
	50														
Inches	45														
	40														
	35														
	30														
	25														
	20														
	15														
	10														
	05														
		02	04	06	08	10	12	14	16	18	20	22	24	26	28
		Age in Months													

Indicate what color you used for each animal:

Animal #1 color _____ Animal #4 color _____
 Animal #2 color _____ Animal #5 color _____
 Animal #3 color _____

XIII. GROWTH AND DEVELOPMENT RECORD, continued

TAPE WEIGHT TABLE FOR YOUNG GOATS

Heart Girth (Inches)	Weight (Pounds)	Heart Girth (Inches)	Weight (Pounds)
10 ³ / ₄	5	22 ¹ / ₄	39
11 ³ / ₄	6	22 ³ / ₄	42
12 ³ / ₄	7	23 ¹ / ₄	45
13 ¹ / ₄	8	23 ³ / ₄	48
13 ³ / ₄	9	24 ¹ / ₄	51
14 ¹ / ₄	10	24 ³ / ₄	54
14 ³ / ₄	11	25 ¹ / ₄	57
15 ¹ / ₄	12	25 ³ / ₄	60
15 ³ / ₄	13	26 ¹ / ₄	63
16 ¹ / ₄	15	26 ³ / ₄	66
16 ³ / ₄	17	27 ¹ / ₄	69
17 ¹ / ₄	19	27 ³ / ₄	72
17 ³ / ₄	21	28 ¹ / ₄	75
18 ¹ / ₄	23	28 ³ / ₄	78
18 ³ / ₄	25	29 ¹ / ₄	81
19 ¹ / ₄	27	29 ³ / ₄	84
19 ³ / ₄	29	30 ¹ / ₄	87
20 ¹ / ₄	31	30 ³ / ₄	90
20 ³ / ₄	33	31 ¹ / ₄	93
21 ¹ / ₄	35	31 ³ / ₄	97
21 ³ / ₄	37	32 ¹ / ₄	101

HEART GIRTH MEASUREMENT AND WEIGHT FOR DAIRY CATTLE

Holstein & Brown Swiss		Guernsey & Ayrshire		Jersey	
Heart Girth (Inches)	Weight (Pounds)	Heart Girth (Inches)	Weight (Pounds)	Heart Girth (Inches)	Weight (Pounds)
31	96	27	69	26	53
32	104	29	77	27	57
34	125	31	91	29	69
35	136	32	100	30	77
37	163	34	124	31	87
38	177	35	136	32	98
40	209	36	150	33	110
42	243	38	177	35	136
44	278	40	208	37	163
45	297	41	223	39	192
47	335	43	257	41	222
48	356	44	273	42	238
50	396	46	307	44	269
51	420	47	327	45	286
53	463	49	365	47	319
54	487	50	384	48	336
55	510	51	405	50	372
56	535	52	426	51	393
57	562	53	449	52	413
59	614	55	495	53	433
61	670	56	514	55	480
62	697	57	546	56	504
63	730	59	599	57	531
64	761	60	625	58	555
65	792	61	655	59	589
66	830	62	685	60	615
67	861	63	717	61	640
69	930	64	748	62	671
70	965	65	780	63	705
71	1003	66	815	64	736
72	1041	67	849	65	770
73	1080	68	882	66	804
74	1121	69	917		
75	1158	70	949		

XIII. GROWTH AND DEVELOPMENT RECORD continued * (to be up to date by Fair Record Book check in)

First Dairy Animal					Second Dairy Animal				
	Age in Months	Lbs.	Height at Withers	Heart Girth		Age in Months	Lbs.	Height at Withers	Heart Girth
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
7					7				
8					8				
9					9				
10					10				
11					11				
12					12				
13					13				
14					14				
15					15				
16					16				
17					17				
18					18				
19					19				
20					20				
21					21				
22					22				
23					23				
24					24				
25					25				
26					26				

Place picture of animal one below

Place picture of animal two below

XIII. GROWTH AND DEVELOPMENT RECORD continued * (to be up to date by Fair Record Book check in)

Third Dairy Animal					Fourth Dairy Animal				
	Age in Months	Lbs.	Height at Withers	Heart Girth		Age in Months	Lbs.	Height at Withers	Heart Girth
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
7					7				
8					8				
9					9				
10					10				
11					11				
12					12				
13					13				
14					14				
15					15				
16					16				
17					17				
18					18				
19					19				
20					20				
21					21				
22					22				
23					23				
24					24				
25					25				
26					26				

Place picture of animal three below

Place picture of animal four below

XIII. GROWTH AND DEVELOPMENT RECORD continued * (to be up to date by Fair Record Book check in)

Fifth Dairy Animal				
	Age in Months	Lbs.	Height at Withers	Heart Girth
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Place picture of animal five below

XVI. PROJECT FINANCIAL SUMMARY * (to be up to date by Fair Record Book check in)

The records in this book cover my 4-H Dairy Cattle or Dairy Goat (Circle one) Project, consisting of _____ animals.

If your project ends at the County Fair Complete lines with *. If your project will continue past the County Fair fill in areas with* in PENCIL for the fair check in then rewrite in PEN(if you are an Int. or Sr.) before you turn your book in to 4-H for judging.

INCOME		Section Total	Grand Total
1	Income – Animal Sold (<i>From page 11, Sec. VIII</i>)		
2	Other Income – Show Premiums & Receipts (<i>From page 11, Sec. IX</i>)		
3	Sponsor Income (<i>From page 12, Sec. X</i>)		
4 *	Calving Record Sales (<i>From page 12, Sec. XI</i>)		
5 *	Milk Sales (<i>From page 13, Sec. XII</i>)		
6	TOTAL INCOME (<i>Add Lines 1 + 2 + 3 + 4 + 5</i>)		
EXPENSES			
7 *	Total Depreciation (<i>From page 3, Sec. I</i>) ONLY SENIORS COMPLETE THIS LINE		
8 *	Total Non-Feed Expenses (<i>From page 6, Sec. IV</i>)		
9 *	Total Feed Expenses (<i>From page 7 & 8, Sec. V</i>)		
10 *	Total Hay Expenses (<i>From page 9, Sec. VI</i>)		
11 *	TOTAL EXPENSES (<i>Add Lines 7 + 8 + 9+ 10</i>)		
SUMMARY			
12	FINAL PROFIT/LOSS (<i>Subtract Line 11 from Line 6</i>)		
ASSETS			
13 *	Value of Project Assets (<i>From page 3, Sec. I</i>) ONLY SENIORS COMPLETE THIS LINE		
14 *	Value of Animal Assets (<i>From page 4, Sec. II</i>)		
15	Total Assets (<i>Add Lines 13 +14</i>) ONLY SENIORS COMPLETE THIS LINE		

XVII. PICTURES OF YOUR PROJECT * (you should have approximately half of your pictures by the Fair Record Book check in)

Show your project from the beginning to the end along with different skills that you have learned. This should include a **minimum of 8 pictures and a maximum of 10 pictures.** Include a caption with each picture. The captions should tell a story. The pictures and captions should compliment your project story. Explain what you are doing and why you are doing the things shown in the picture. What skills are you demonstrating and why? Spelling and grammar are included in the judge's decision. **Do not cover up the directions.**

Pictures (continued):

DO NOT ADD ADDITIONAL PAGES

Pictures (continued):

DO NOT ADD ADDITIONAL PAGES

PROJECT TERMS AND EXPLANATIONS

NOTES FOR PROJECT INVENTORY (page 3)

- **Project Year** - Based on a calendar year. Current project year is same year as current Fair year.
- **Date Acquired** - List the date you obtained this item, on items older than one year, list only the year.
- **Purchase Cost or Value** - What did this item cost when you obtained it? (Fair market value)
- **Value at Beginning of Project** - Same as the purchase cost of items bought during the current calendar year. On items from previous years this will be the value from last year's ending inventory or the depreciated value of 10% of the purchase cost per project year.
- **Depreciation of 10%** - This will be 10%, per calendar year, of the original purchase cost for the items you will still have at the end of the project. This includes items you had at the beginning of the project as well as items purchased during the current calendar year. Depreciation is the loss in value of your assets and is an expense.
- **Value at the End of the Project** - This is the value at the beginning of the project minus the depreciation.

Examples:

Items Description	Date Acquired	Purchase Cost or Value	Value at beginning of project	Depreciation (10% of purchase cost, for this calendar year)	Value at end of project
Rope	Purchased 4 years ago	\$7.30	(Depreciated 10% for 3 years) \$5.11	\$0.73	\$4.38
Comb	Purchased 3 years ago	\$19.60	(Depreciated 10% for 2 years) \$15.68	\$1.96	\$13.72
Brush	Purchased Previous Calendar Year	\$5.85	(Depreciated 10% for 1 year) \$5.27	\$0.58	\$4.69
Bucket	Purchased Current Calendar Year	\$9.10	(No Previous Depreciation -purchased current calendar year) \$9.10	\$0.91	\$8.19
Total Depreciation*				\$4.18	
Value of Project Assets					\$30.98

*Depreciation is an expense

SCORING SYSTEM

Dairy and Dairy Goat Care and Feed Record Book

Section	Item	Points Possible
Cover	Signatures	3
I	Project Inventory (page 3)	8
II, III, IV	Project Animal Inventory & Pedigree, Non-Feed Expenses (pages 4 - 6)	6
V, VI & VII	Feed Expenses, Hay Expenses & Ration Record (pages 7-10)	8
VIII, IX & X	Income (Animal Sold), Other Income, & Sponsor Income (pages 11 & 12)	4
XI & XII	Calving Record & Milk Production Record (pages 12 & 13)	3
XIII	Growth & Development Record (pages 14-18)	4
XIV & XV	Health Record , Remarks & Incidents (pages 19 & 20)	6
XVI	Project Financial Summary (page 21)	10
XVII	Pictures (pages 22, 23 & 24)	8
XVIII	Project Story (pages 25-27)	30
XIX	Neatness, Accuracy, Grammar, & Spelling	10
	Total Points	100

Ribbon Awards

Blue	90 - 100	pts.
Red	80 - 89	pts.
White	79 - 0	pts.

This document, **4-H Dairy and Dairy Goat Care and Feed Record Book**, was compiled by Diana L. Smith, Ph.D., Extension 4-H Coordinator, University of Florida/IFAS Extension - Manatee County, December 9, 2004, and adapted for the **Manatee County Fair** updated February 20, 2008, revised August 7, 2012, July 2015.

- References:** Cahill, C. (July 1998). **4-H Dairy Care and Feed Record Book**. Palmetto, FL: Manatee County 4-H (Revised January 2004 by Diana L. Smith, Ph.D.).
- Costello, S. & Harris, B. Jr. (November 1990). **4H DAR 01 Dairy & Dairy Goat Record**. Gainesville, FL: University of Florida/IFAS Extension.
- Author Unknown. (Revised August 1, 2003). **Florida State Fair Youth Livestock Market Record Book**. Tampa, FL: Florida State Fair Authority.

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