

Skills of identification/ Marking of animals (cattle & buffalo) for keeping individual performance, records including treatment, protection and reproduction etc. – daily record and milk yield (daily, weekly & monthly) breeding record- date of feed, insemination and calving etc.

ABC01(0-4-0)

Session: 4



**Centurion
UNIVERSITY**

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Dairy farm record keeping

1. Records provides basis for evaluation of animals.
2. Helps in selection and culling animals.
3. Helps in systematic breeding programme for improvement of herd.
4. Helps in progeny testing of bulls.
5. Helps in economic feeding of animals.
6. A necessity for registration in central herd book.
7. Helps in preparing pedigree and history record of animals.
8. Helps in detection of abnormal condition with the health of animals leading to loss in body weight.
9. Helps in fixing proper prices of animal meant for purchase and sale.
10. Helps in better supervision and management of herd.
11. Helps in ascertaining the income and expenditure (economics) of dairy farm.
12. Helps in determining cost of milk production.
13. Helpful in comparing the efficiency of labour and herd with other farms.
14. To furnish a record of operation for continuous improvement.
15. To compare the results of different years to determine the degree of profits each year.
16. To determine the details of farm investment receipt, expenses and net income.
17. To determine the returns from individual farm enterprise for detecting losses and indicating sources of maximum profit.

18. To furnish information regarding the quantities of roughages and concentrated fed to animals, amount of milk prod, and method used in production to improve efficiency.

Needed:

(A) Cattle Section Records:

1. Daily report registers.
2. History and pedigree sheet.
3. Livestock register.
4. Milk record register.
5. Milk summary record.
6. Calf feeding register.
7. Register for receipt of cattle feeds.
8. Register for feed consumption.
9. Breeding and calving register.
10. Progeny register.
11. Health registers.
12. Bull assignment register.
13. Pregnancy record.
14. Weight register.
15. Feed order book.
16. Concentrate feeding schedule.

(B) Farm Section Records:

1. Labour sheet. 2.

3. Machinery and implement book. 4.

5. Field register. 6.

(C) General Records:

1. Ledger.

2. Muster roll.

3. Purchase book.

4. Tractor registers.

5. Store stock book.

6. Fodder cultivation record.

Procedure:

Students shall make thorough study of each of records maintained in the cattle section, in the following systems:

(a) Bound register.

(b) Loose leaf system,

(c) Envelope system.

Make specimen copies of all the records and make entries from the daily report register.

An example for making entries in records is as follows:

A cow no. 501 born on 10-12-2007 gave birth to a female calf No. 405 on 15-2-2011 when bred to bull No. 450. She was bred again by bull No. 465 on 25-6-2011.

I. BULL ASSIGNMENT REGISTER

Sl. No.	Animal No.	Bred to	Expected to calve on	Dry on	Birth date	Calf No. Sex	Bull assigned	Service be given after
1.	501	450	8-2-2011		15-02-11	405F	465	16-4-11
2.	501	465	3-4-12	3-2-12				
3.								

II. CALVING REGISTER

Sl. No.	Dam No	Date of birth (Calving)	No. and Sex	Sire No.
1.	501	15-2-11	405 F	450
2.				

III. LIVESTOCK REGISTER

Sl. No.	Animal No. and Sex	Calf No. and Sex	Birth date	Dam No.	Sire No.	First Calving date	Remarks
1.	501F	—	10-12-07	—	—	15-02-11	
2.	—	405F	15-02-11	501	450	—	
3.	450M						
4.	465M						

IV. BREEDING EFFICIENCY REGISTER OF COWS

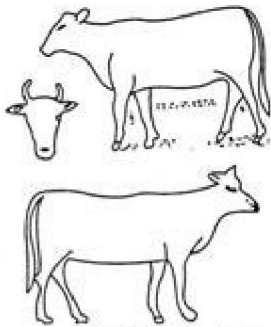
Sl. No.	Cow No.	Date Birth	Date Freshen	No. of lactations completed	Last calving date	Bull assigned	Date of service/insemination
1.	501	10-12-07	15-2-11	nil	15-2-11	465	—25-6-11
2.	—	—	—	—	—	—	—
3.	—	—	—	—	—	—	—

ALLAHABAD AGRICULTURAL INSTITUTE, DAIRY FARM, ALLAHABAD

History Sheet : Cow ————— No. ————— Age at ————— Age ————— Dried Sold

Bulls Name Breed No.	Number of Services Date Conceived	Date Born	Weight	Condition Disposal	No. Sex	Kg Milk	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual yield kg.	Average % Fat	Days in Milk	Date dried on Days Dry
						Kg Milk																
						% Fat																
						Kg Milk																
						Kg Milk																
						% Fat																
						Kg Milk																
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HISTORY OF ANIMAL



Name _____ No. _____ Breed _____
 Born _____ Died _____
 Purchased _____ Sold _____
 Date _____ Observations _____

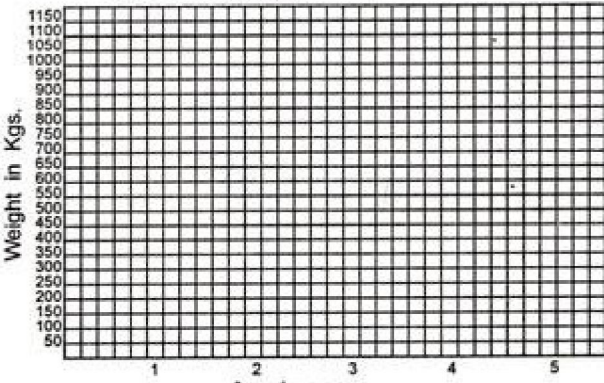
Color Legend:
 D ... Dark F ... Fawn
 L ... Light R ... Red
 W ... White B ... Brown
 G ... Gray Br ... Brindle
 Bl ... Black

Days Dry	Kg. Milk	Kg. Fat	Days in Milk

Days Dry	Kg. Milk	Kg. Fat	Day in Milk

Days Dry	Kg. Milk	Kg. Fat	Days in Milk

Weight in Kgs. (Vertical axis: 50 to 1150)
Age in years (Horizontal axis: 1 to 5)



Body Measurements

Date				
Age				
Body Weight				
Heart Girth				
Body Length				
Height of Floor of Chest				
Height at withers				
Height at Hooks				
Height at Pin Bones				
Pin to Hook Bones				
Width of Hook Bones				

Veterinary Record

Period of Sickness		Diagnosis
From	To	

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Daily Labour Sheet

Date	Nature of Work	Section assigned	Manual Labour		Bullock		Work done	Remark
			Men	Women	No.	Hours		

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Muster Roll of Workers for the Period.....

Sl. No.	Name	Father's name	Dates 1, 2, 3, 4, 5, .., 31	Total days present	Rate	Pay	Deduction if any	Net payable	Signature of labour

Daily total :
 Initials :
 Officer :

ALLAHABAD AGRICULTURAL INSTITUTE, DAIRY FARM
Store Stock Book—2007

Name of Article.....

Date	Invoice No.	Receipt No.	Stock Balance			Receiver	Signature	
			Receipt	Issue	Balance		Store-keeper	Manager

ALLAHABAD AGRICULTURAL INSTITUTE, DAIRY FARM
Inventory Book of Animals

Sl. No.	Animal Number	Sex	Class	Date of Birth	Age	Remarks

ALLAHABAD AGRICULTURAL INSTITUTE, DAIRY FARM
Calf Feeding Register—Month—2007

Calf No.	Sex	Date Born	Date No.	Date														Total		
				1		2		3		4		5		6		...			31	
				M	E	M	E	M	E	M	E	M	E	M	E	M	E		M	E

ALLAHABAD AGRICULTURAL INSTITUTE, DAIRY FARM
Stock Register of Concentrates—2007

Date	Particulars	Received			Issued			Balance			Remarks	
		Qty.	Rate	Cost	Qty.	Rate	Cost	Qty.	Rate	Cost		

ALLAHABAD AGRICULTURAL INSTITUTE (Deemed University)

Department of Animal Husbandry

Summary Record for 2007

<i>No./Breed</i>	<i>Time</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>...</i>	<i>31</i>	
	Morning																									
	Noon																									
	Evening																									
	Total																									
	Grand Total																									
Total animals in milk																										
Total animals dry																										
Total herd strength																										
Milking average																										
Overall average																										

ALLHABAD AGRICULTURAL INSTITUTE, Deemed University
Department of Animal Husbandry
Statement of Weekly Statistics
Cattle Section

From.....				To.....	Date.....
Description	Paddock Number	On hand 1st day	On hand 1st day		Service
Total					
Milch Animal	Cow				Drying
	Buff.				
Total					
Dry Animal	Cow				Calving
	Buff.				
Total					
Pregnant Heifers	Cow				Sales
	Buff.				
Total					
Breeding Heifers	Cow				Death
	Buff.				
Total					
Other Heifer above 3 months	Cow				Remarks
	Buff.				
Total					
Heifers below 3 months	Cow				Female Total
	Buff.				Male
Total					
Breeding Bulls	Cow				1. Sheep
	Buff.				2. Goat
Total					3. Pigs
Bull Calves above 3 months	Cow				Sign. of head/...
	Buff.				A.H. Dept. Record
Total					Keeper/Supervisor
Bull calves below 3 months	Cow				Signature of Uint
	Buff.				Incharge
Total					

Grand total on first day

WEEKLY CASH DEPOSIT STATEMENT

Sl. No.

Date

<i>Receipt</i>	<i>Book</i>	<i>Date of receipt</i>	<i>Particular of sale</i>	<i>Amount ₹</i>	<i>Amount to be credited</i>	<i>Remarks</i>

Summary of sale

.....

Credit

Credit

Credit

Credit

Credit

Total

Total Received ₹

(in words))

Cashier

Signature

Receipt No.

Head

Signature

Date