

Heifer Management

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for culling and merchandising, an even greater value is projecting for potential income for paying loan payments and possible expansion projects.

A Standard Application for Registry (approved by all breeds) will be printed when a female calf is reported born to a registered dam. This will likely encourage registry of animals at an early age, resulting in a savings to the member from lower registry fees.

Much of the date needed to make a heifer management system work is in PA DHIA's mainframe computer, making them the logi-

cal ones to pull it together. The DHIA supervisor will need to report identification on calves born or purchased, record those died or sold, and update registry numbers and breeding information. There is a barnsheet to use to record additions and changes, much the same as with the cow herd.

The long range potential for this program includes the marriage of some of the cow herd and heifer herd reports to form inclusive management information on the herd as a whole. PA DHIA is pleased to present this new program designed to assist its members in the successful management of their operations.

HEIFER STATUS SUMMARY

REPRODUCTIVE EFFICIENCY SUMMARY	
Number over 13 Months and Not Bred	3
Bred but not Diagnosed Pregnant	1
Number of Pregnant Heifers	8
Total Heifers in Breeding Herd	10
Number over 18 Months and Not Bred	1
Average Service per Bred Heifer	1.2
Percent Conception on First Breeding	88
Average Age at First Breeding	20.0

AVERAGE PTA OF SERVICE SIRE	
Milk	+1914
Fat	+55
Protein	+54
Protein Dollars	+211

SUMMARY OF HEIFERS LEAVING HERD		
	This Test	Yearly
Died from Scours	0	0
Died from Respiratory Problems	0	0
Died from Other Diseases	0	0
Died from Other Causes	0	0
Sold for Dairy	0	0
Sold for Reproductive Problems	0	0
Sold for Other Reasons	0	0

PROFILE OF HEIFERS BY AGE GROUP		
Total Number of Heifers as of Last Date of Test		
Age	Number	Percent
00-02	3	15.0
03-06	2	10.0
07-14	7	35.0
15-24	3	15.0
Over 24	5	25.0

GENETIC EVALUATION SUMMARY			
	Age in Months		
	00-12	13 & Over	15
Number of Heifers Identified by Sire	16	16	16
Percent of Heifers Identified by Sire	100.0	100.0	100.0
Average PTA of Sires			
Milk	+1854	+1075	
Fat	+51	+34	
Protein	+43	+31	
Protein Dollars	+179	+123	
Parent Average (PA) of Heifers			
Milk	+1083	+651	
Fat	+35	+20	
Protein	+31	+20	
Protein Dollars	+125	+78	

PA DHIA HEIFER MANAGEMENT					
Action List for Here 23-14-0186					
HEIFERS TO BREED/HEAT CHECK					
Calf Id	Birth Date	Wt	Age	Next Heat	
33	1/28/89	0	20	10/18	n
35	6/12/89	0	15		
97	7/16/89	0	14	11/02	
96	7/15/89	0	14	10/19	B

PA DHIA HEIFER MANAGEMENT					
Action List for Here 23-14-0186					
HEIFERS TO CALVE					
Calf Id	Date Bred	Prg?	Jace Due		
88	12/10/89	Y	3/17/90		
86	12/15/89	Y	3/22/90		
90	1/20/90	Y	10/28/90		
91	2/01/90	Y	11/09/90		
92	3/01/90	Y	12/07/90		
94	3/15/90	Y	12/21/90		
96	9/07/90	N	6/15/91		

PA DHIA HEIFER MANAGEMENT					
Action List for Here 23-14-0186					
DE DENORN					
Calf Id	Birth Date	Weight	Age		
6	6/27/90	0	3	*	
7	7/10/90	0	2	*	
8	8/10/90	0	1		
9	8/24/90	0	1		

PA DHIA HEIFER MANAGEMENT					
Action List for Here 23-14-0186					
BR VACC BRUCELLOSIS					
Calf Id	Birth Date	Weight	Age		
98	10/23/89	0	11	*	
1	12/20/89	0	9	*	
2	1/23/90	0	8	*	
4	2/28/90	0	7		
3	2/28/90	0	7		

PA DHIA HEIFER MANAGEMENT					
Action List for Here 23-14-0186					
HEIFERS TO PREGNANCY CHECK					
Calf Id	Date Bred	Times	Date to Bred	Prag Check	
96	9/07/90	1	10/22/90		

PA DHIA HEIFER MANAGEMENT					
Action List for Here					

PA DHIA HEIFER MANAGEMENT					
Action List for Here					

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Action List for Here					

HERD IDENTIFICATION 23-14-0186

HEIFERS AND COWS BY SERVICE SIRE

DATE 10/12/90
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NAAB Code	Reg On Entng	SERVICE SIRE			Index Number	C/I	Visible #	COW OR HEIFER BRED				DAM							
		n	Proteln	Animals Bred				Reg On Entng	n	Birth Date	Date Bred	Reg On Entng	n	Index Number	Name				
FOURNER	7J0154	640211	J	+218	1	8	7	241	C	80	80	3382448	4	3/18/84	8/18/80	3084848	4		
								240	C	71	71	3459280	4	8/14/88	8/18/80	3134830	4		
								240	C	72	72	3481140	4	8/18/88	8/12/80	3307241	4		
								251	C	74	74	3515782	4	7/09/88	8/08/80	3188878	4		
								250	C	82	82	3517890	4	1/28/87	8/13/80	3408403	4		
								281	C	88	88	3531412	4	11/18/87	8/18/80	3282051	4		
82	H	96	CALF-88	4000082	4	7/18/88	8/07/80	3515782	4	25	74								
TOP NOTCH	8J0088	642003	J	+107	1	0	1	43	H	82	CALF-82	4000043	4	8/27/88	3/01/80	3408485	4	247	88
ROYAL	8J0234	634142	J	+187	0	1	1	259	C	86	86	3531410	4	10/28/87	1/28/80	3207285	4		
8J0083	640071	J	+82	0	1	1	283	C	81	81	3517888	4	1/18/87	3/12/80	3380788	4			
8J0088	642988	J	+183	0	2	2	248	C	85	85	3380788	4	11/18/84	4/08/80	3248818	4			
							260	C	87	87	3531411	4	11/01/87	4/21/80	3488280	4			
YANKEE	21J0337	632243	J	+132	3	0	3	23	H	88	CALF-88	4000032	4	11/18/87	12/10/88	3282051	4	232	88
								41	H	88	CALF-88	4000041	4	3/28/88	1/20/80	3380800	4	244	88
								42	H	81	CALF-81	4000042	4	5/18/88	2/01/80	3382448	4	241	80

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HEIFERS AND COWS BY SIRE

DATE 10/12/90
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NAAB Code	Reg On Entng	SIRE			Index Number	C/I	Visible #	DAUGHTERS				DAM							
		n	Proteln	Animals Bred				Reg On Entng	n	Birth Date	Date Bred	Reg On Entng	n	Index Number	Name				
ROYAL	8J0234	634142	J	+157	0	5	5	262	C	80	80	230KD7010	4	3/26/88	8/18/80	3380800	4		
FOURNER	7J0154	640211	J	+218	8	0	8	80	H	88	CALF-88	4000080	4	8/12/88		3382448	4	244	80
								88	H	88	CALF-88	4000080	4	10/23/88		3531410	4	258	88
								71	H	81	CALF-81	4000071	4	12/20/88		3515788	4	254	78
								74	H	81	CALF-81	4000074	4	2/28/80		3382443	4	240	55
								79	H	81	CALF-81	23PSU0008	4	8/18/80		3515782	4	259	74
								81	H	81	CALF-81	23PSU0008	4	8/27/80		3515782	4	258	84
TOP NOTCH	8J0088	642003	J	+107	2	0	2	42	H	81	CALF-81	4000042	4	8/18/88		3382448	4	241	80
								82	H	86	CALF-86	4000082	4	7/15/88		3515782	4	251	74
8J0088	642988	J	+183	1	0	1	83	H	81	CALF-81	23PSU0008	4	8/24/80		3248818	4	228		

HERD IDENTIFICATION 23-14-0186

LISTING OF REMOVED HEIFERS

DATE 10/12/90
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DHIA Central Number	Name	Reg No	n	Birth Date	Age	NAAB Code	Reg Number	B	D	Index	PARENT AVERAGE			REMOVAL				
											Milk	Fat	Protein Dollars	Cycle	Date Sold	Remarks		
30	CALF-88	23PSU0008	4	8/14/87	24	1JG187	4	3188578	4	218	24	+202	+8	+28	21	8/10/88	Heifer Freshened	
32	CALF-87	23PSU0087	4	11/01/87	25	1JG208	4	3468280	4	248	74	+874	-3	+18	+42	21	11/20/88	Heifer Freshened
38	CALF-88	23PSU0088	4	12/28/87	23	28J2782	4	3380788	4	248	84	+788	+24	+23	+81	31	12/01/88	Sold for Dairy
87		DOG	4	10/28/88	0	28J2782	4	3531411	4	280	87	+747	+31	+25	+103	83	10/28/88	Died Other Causes

Services Update

Heifer Management System On Schedule

The PA DHIA Heifer Management System is finished and ready to be released in January, 1991. A detailed description of the system's capabilities can be found in an article dealing with the program elsewhere in this issue of FOCUS.

Minor Revamping for Nutrition System

The system designers at Penn State continue to make changes to program calculations. Another crack at limited commercial use is set for early 1991.

ProStaph I Research Continuing

Research on the ProStaph I test of milk samples for Staph. aureus mastitis is continuing at Penn State. An update on test results interpretation will be published when the current research is completed. Meanwhile, PA DHIA continues to test about 75 samples per week.

Biotechnology Evaluator Being Developed

Working with Penn State researchers, PA DHIA, in cooperation with Monsanto and The Ben Franklin Technology Program, is developing a system to help DHIA members determine when to use biotechnology applications (like BST). The system will also evaluate whether the specific biotechnology is making money. The project started in September 1990 and will end about September 1991.

Labor Efficient Records (LERP) Progressing

The concept of reduced supervisor labor on the farm from once a month to once a quarter has been developed into an official DHIA program called Labor Efficient Records. Stringent requirements for an on-farm computing system needed to participate in LERP have been developed. The full program is still several months away, but progress is being made. Contact the PA DHIA Director of Field Services at 1-800-344-8378 if you are interested in this new service.

Computerized Invoicing Near

Fairly soon, all direct members of PA DHIA will be invoiced through an automated billing system. The program will be designed so that the invoice for next month's service will arrive with this month's reports, so you will know a month in advance how much you will have to pay your supervisor on test day. More information will be coming out later on this change in billing procedure.

Liquid Sample Preservative Being Introduced

A new form of our current milk sample preservative is being introduced across the state. Liquid bronopol is replacing the bronopol tablet that has been used for about the last two years. Like the tablet, the liquid form is non-toxic. But, like the tablet, the liquid goes into suspension immediately upon contact with the milk sample with little or no shaking required.

This change should help reduce sample spoilage from improper mixing of the preservative in the

milk. If you get it on your hands or clothes, it will stain them blue. So avoid direct contact with the liquid if possible.

Customized Paper Reports Under Study

In response to many requests for a more flexible paper reporting system, PA DHIA has developed a collection of specialized paper reports. They include a Herd Inventory, a Sire Evaluation, a list of Cows Bred to Service Sires, a six-month SCC History, a List of Cows by Milk Within Group, and several pocket-sized action sheets. The action sheets include Cows to Breed, to Pregnancy Check, Due to Calve, to Dry Off, Low Production Cows, Cows Bred More Than 3 times and cows over 300,000 SCC.

Under study in 300 herds, report usage will be evaluated and decisions made about which to keep and