



United States
Department of
Agriculture

Animal and
Plant Health
Inspection
Service

Veterinary
Services

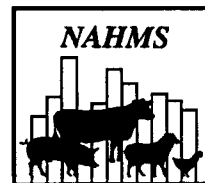
Form Approved
O.M.B. Number 0578-0078
Approval Expires 10/31/93

**Beef Cow/Calf Health
and Productivity Audit**

National Animal
Health Monitoring
System

555 South Howes,
Suite 200

Fort Collins, CO
80521



Beef Health Report

State		Farm Number		VMO Number		Date				
-------	--	-------------	--	------------	--	------	--	--	--	--

(MM/DD/YY)

Interview to be conducted between January 1 and February 28, 1993.

Section 1 - General

**1. Of the total cattle and calves on hand as of January 1, 1993,
how many were:**

- 1a. beef cows including heifers that have calved? 1001 _____ head +
- 1b. milk cows, whether dry or in milk, including milk heifers that have calved? . . . 1002 _____ head +
- 1c. bulls weaned or older? 1003 _____ head +
- 1. weaned heifers that had not calved:
 - 1d. for beef cow replacement? 1004 _____ head +
 - 1e. for milk cow replacement? 1005 _____ head +
 - 1f. other weaned heifers? 1006 _____ head +
- 1g. weaned steers? 1007 _____ head +
- 1h. unweaned heifer, steer, and bull calves (including newborn calves)? 1008 _____ head +

**2. Then the total number of cattle and calves on hand as of January 1, 1993,
was: (should equal 1a + 1b + 1c + 1d + 1e + 1f + 1g + 1h) 1009 _____ head =**

The remainder of the interview focuses on the cow/calf operation. For the remaining questions, exclude animals kept for dairy purposes, cattle on feed for the slaughter market, and stocker or feeder cattle.

**3. Were the bulls removed from the female breeding herd during 1992?
(Enter 1 for YES or 3 for NO.) 1010 _____**

If question 3 was answered NO, skip question 4 and go to question 5.

**NAHMS 20
(OCT 92)**

Section 1 - General (continued)

If question 3 was answered NO, skip question 4 and go to question 5.

4. For the 1992 breeding season:

- 4a. how many females were turned in with bull(s) or artificially inseminated? . . . 1011 _____ head +
- 4b. how many exposed females were transferred out of the operation during the breeding season? 1012 _____ head -
- 4c. how many females were transferred into the breeding herd during the breeding season? 1013 _____ head +
- 4d. Then the total number of females exposed to bulls or AI and on hand at the end of the breeding season was? (should equal 4a - 4b + 4c) 1014 _____ head =
- 4e. Of these (item 4d), how many were replacement heifers? 1015 _____ head
- 4f. How many were first calf heifers? 1016 _____ head
- 4g. How many were cows? 1017 _____ head

NOTE to VMO:
 At the end of the interview, enter the response to question 4d to the Beef Breeding Management Report.

Y N

- 5. Were bulls purchased, leased, or borrowed for this operation in the last 12 months? (Circle 1 for YES or 3 for NO.) 1018 1 3

If question 5 was answered NO, skip questions 6 and 7 and go to question 8.

6. For the bulls purchased, leased, or borrowed for this operation in the last 12 months: (Circle 1 for YES, 2 for DON'T KNOW, or 3 for NO.) Y D/K N

- 6a. were these bulls semen tested? 1019 1 2 3
- 6b. were scrotal measurements made on these bulls? 1020 1 2 3

7. Were any of the purchased, leased, or borrowed bulls older than 18 months of age OR no longer considered virgin? (Circle 1 for Yes, 2 for DON'T KNOW, or 3 for NO.) 1021 1 2 3

- 7a. If YES, of the bulls that were older than 18 months of age OR no longer considered virgin, were they ALL cultured for Trichomonas fetus? (Leave blank if question 7 was answered NO.) 1022 1 2 3

8. Prior to the last breeding season, were any of the following procedures performed on the bulls in this operation (exclude bulls purchased, leased, or borrowed within 90 days prior to the breeding season)? (Circle 1 for YES or 3 for NO.)

- 8a. semen test 1023 1 3
- 8b. scrotal measurement 1024 1 3
- 8c. culture for Trichomonas fetus 1025 1 3
- 8d. If 8c was answered YES, were any positive? (Circle 1 if YES (at least 1 positive), circle 3 if NO (none positive), circle 2 if not applicable (8c was no).) 1026 1 2 3

Section 1 - General (continued)

9. Were any of the following reproductive management procedures performed on the replacement heifers (heifers being bred for first calf) in the last 12 months?

(Circle 1 for YES, 2 for NOT APPLICABLE, or 3 for NO.)

Y N/A N

9a. Pelvic measurements	1027	<u>1</u>	<u>2</u>	<u>3</u>
9b. Reproductive tract scores	1028	<u>1</u>	<u>2</u>	<u>3</u>
9c. Weigh	1029	<u>1</u>	<u>2</u>	<u>3</u>
9d. Prebreeding exposure to gomer cow or gomer/teaser bull	1030	<u>1</u>	<u>2</u>	<u>3</u>
9e. Synchronize estrus	1031	<u>1</u>	<u>2</u>	<u>3</u>
9f. Artificially inseminate	1032	<u>1</u>	<u>2</u>	<u>3</u>
9g. Breed replacement heifers at least 2 weeks prior to the rest of the herd	1033	<u>1</u>	<u>2</u>	<u>3</u>
9h. Body condition score	1034	<u>1</u>	<u>2</u>	<u>3</u>
9i. Pregnancy test by palpation	1035	<u>1</u>	<u>2</u>	<u>3</u>
9j. Feed replacement heifers separately from rest of the herd	1036	<u>1</u>	<u>2</u>	<u>3</u>

10. Were any of the following management procedures performed on the cows in the last 12 months?

(Circle 1 for YES, 2 for NOT APPLICABLE, or 3 for NO.)

Y N/A N

10a. 48-hour calf removal	1037	<u>1</u>	<u>2</u>	<u>3</u>
10b. Flushing (feeding cows and heifers more or better quality feed prior to breeding)	1038	<u>1</u>	<u>2</u>	<u>3</u>
10c. Synchronize estrus	1039	<u>1</u>	<u>2</u>	<u>3</u>
10d. Artificially inseminate	1040	<u>1</u>	<u>2</u>	<u>3</u>
10e. Body condition score	1041	<u>1</u>	<u>2</u>	<u>3</u>
10f. Weigh	1042	<u>1</u>	<u>2</u>	<u>3</u>
10g. Pregnancy test by palpation	1043	<u>1</u>	<u>2</u>	<u>3</u>

11. How many calves were weaned in 1992 and what was their total weight and value? (If calves were not sold at weaning, estimate their total weight and total market value at weaning.)

	Number of Head at Weaning	Total Weight at Weaning	Total Value (\$) at Weaning
11a. Bull/steer calves	1044 _____ hd	1048 _____ lbs	1051 \$ _____
11b. Heifer calves (non-replacement)	1045 _____ hd	1049 _____ lbs	1052 \$ _____
11c. Heifers calves for replacement	1046 _____ hd	1050 _____ lbs	1053 \$ _____
11d. Then the total number of calves weaned was:	1047 _____ hd		

Section 1 - General (continued)

12. How many animals of breeding age were sold in 1992 and what was their total weight and value?

	Number of Head	Total Weight	Total Value (\$)
12a. Breeding-age female sales	1054 _____ hd	1056 _____ lbs	1058 \$ _____
12b. Breeding-age bull sales	1055 _____ hd	1057 _____ lbs	1059 \$ _____

13. Of the total number of breeding-age females sold (listed in question 12a), how many were primarily sold for:

13a. pregnancy status (open or aborted)?	1060 _____	head	+
13b. other reproductive problems (other than open or aborted)?	1061 _____	head	+
13c. physical unsoundness (injury or lame)?	1062 _____	head	+
13d. digestive problem?	1063 _____	head	+
13e. respiratory problem?	1064 _____	head	+
13f. udder problem?	1065 _____	head	+
13g. producing poor calves?	1066 _____	head	+
13h. bad eye(s)?	1067 _____	head	+
13i. age/bad teeth?	1068 _____	head	+
13j. temperament?	1069 _____	head	+
13k. economics (drought, market, herd reduction)?	1070 _____	head	+
13l. other?	1071 _____	head	+
Total items 13a through 13l. (This number should equal the response in question 12a.)	1072 _____	total head	=

Section 2 - Death Loss and Health Concerns

1. During the last 12 months, what percentage of calves were affected by the following conditions?

	Birth to 21 Days	22 Days through 4 Months	Over 4 Months until Weaning
1a. Scours/diarrhea	1073 _____ %	1077 _____ %	1081 _____ %
1b. Respiratory disease	1074 _____ %	1078 _____ %	1082 _____ %
1c. Pinkeye	1075 _____ %	1079 _____ %	1083 _____ %
1d. Foot rot	1076 _____ %	1080 _____ %	1084 _____ %

2. During the last 12 months, what percentage of cows and replacement heifers were affected by the following conditions:

	Cows	Replacement Heifers
2a. Respiratory disease	1085 _____ %	1093 _____ %
2b. Diarrhea	1086 _____ %	1094 _____ %
2c. Pinkeye	1087 _____ %	1095 _____ %
2d. Foot rot	1088 _____ %	1096 _____ %
2e. Cancer eye	1089 _____ %	1097 _____ %
2f. Mastitis	1090 _____ %	1098 _____ %
2g. Retained placenta or uterine infection	1091 _____ %	1099 _____ %
2h. Abortion	1092 _____ %	1100 _____ %

3. How many calves weighing less than 500 pounds died or were lost from all causes during 1992? 1101 _____ head

4. Of these calves (in question 3), how many died or were lost due to:

4a. digestive problems (eg., bloat, scours, parasites)?	1102 _____	head	+
4b. respiratory problems (eg., pneumonia, shipping fever)?	1103 _____	head	+
4c. weather (eg., lightning, drowning, chilling)?	1104 _____	head	+
4d. calving problems?	1105 _____	head	+
4e. poisoning (eg., nitrates, fescue, noxious weeds, feed)?	1106 _____	head	+
4f. predators?	1107 _____	head	+
4g. theft?	1108 _____	head	+
4h. other known causes (eg., lameness)?	1109 _____	head	+
4i. unknown causes?	1110 _____	head	+
Total items 4a through 4i. (This number should equal the response in question 3.)	1111 _____	total head	=

Section 2 - Death Loss and Health Concerns (continued)

5. How many cattle weighing 500 pounds or more died or were lost from all causes during 1992? 1112 _____ head
6. Of these cattle (in question 5), how many died or were lost due to:
- 6a. digestive problems (eg., bloat, scours, parasites)? 1113 _____ head +
 - 6b. respiratory problems (eg., pneumonia or shipping fever)? 1114 _____ head +
 - 6c. weather (eg., lightning, drowning, chilling)? 1115 _____ head +
 - 6d. calving problems? 1116 _____ head +
 - 6e. poisoning (eg., nitrates, fescue, noxious weeds, feed)? 1117 _____ head +
 - 6f. predators? 1118 _____ head +
 - 6g. theft? 1119 _____ head +
 - 6h. other known causes (eg., old age, lame)? 1120 _____ head +
 - 6i. unknown causes? 1121 _____ head +
- Total items 6a through 6i. (This number should equal the response in question 5.) . . 1122 _____ total head =

Section 2 - Death Loss and Health Concerns (continued)

Have the producer rate statements 7 and 8.

7. The following health conditions had a significant economic impact on this cow/calf operation in the last 12 months. Consider the cost of prevention, cost of treatment, and lost production. (Circle 1 code only for each item.)

	Strongly Agree	Agree	Disagree	Strongly Disagree	No Opinion
Parasites					
7a. Internal1123	1	2	3	4	9
7b. External (flies, lice, ticks, grubs)1124	1	2	3	4	9
Digestive					
7c. Calf scours1125	1	2	3	4	9
7d. Bloat1126	1	2	3	4	9
7e. Ulcers (abomasal/stomach)1127	1	2	3	4	9
7f. Coccidiosis1128	1	2	3	4	9
Reproductive					
7g. Open/late calvers1129	1	2	3	4	9
7h. Abortion1130	1	2	3	4	9
7i. Weak calves1131	1	2	3	4	9
7j. Retained placenta/uterine infection . .1132	1	2	3	4	9
Respiratory					
7k. Calf pneumonia/shipping fever1133	1	2	3	4	9
7l. Cow asthma1134	1	2	3	4	9
Plant-related					
7m. Fescue1135	1	2	3	4	9
7n. Nitrate1136	1	2	3	4	9
7o. Larkspur1137	1	2	3	4	9
7p. Other plant-related problems1138	1	2	3	4	9
Other					
7q. Pinkeye1139	1	2	3	4	9
7r. Foot rot1140	1	2	3	4	9
7s. White muscle disease (selenium/vitamin E deficiency) . . .1141	1	2	3	4	9
7t. Copper deficiency1142	1	2	3	4	9
7u. Anaplasmosis1143	1	2	3	4	9
7v. Grass tetany1144	1	2	3	4	9

8. The following conditions are significant problems for the beef cattle industry of the U.S. (Circle 1 code only for each item.)

	Strongly Agree	Agree	Disagree	Strongly Disagree	No Opinion
8a. Tuberculosis1145	1	2	3	4	9
8b. Brucellosis1146	1	2	3	4	9
8c. Trichomoniasis1147	1	2	3	4	9
8d. Johnes disease (paratuberculosis) . . .1148	1	2	3	4	9
8e. Bovine leukemia virus infection1149	1	2	3	4	9

Section 3 - Vaccines

1. Enter 1 for each vaccine used in the last 12 months for the following classes of cattle.
(Leave all others blank.)

	Calves 1 to 21 Days	Calves 22 Days to Weaning	Repl. Heifers Weaning thru Breeding	Repl. Heifers After Breeding to Calving	Cows	Bulls
GENERAL (Resp &/or Repro)						
IBR (Rednose, infectious bovine rhinotracheitis)	1300	1400	1500	1600	1700	1800
BVD (bovine viral diarrhea)	1301	1401	1501	1601	1701	1801
Hemophilus somnus	1302	1402	1502	1602	1702	1802
RESPIRATORY						
PI3 (parainfluenza virus)	1303	1403	1503	1603	1703	1803
BRSV (bovine respiratory syncytial virus)	1304	1404	1504	1604	1704	1804
Pasteurella	1305	1405	1505	1605	1705	1805
REPRODUCTIVE						
Brucella abortus		1406	1506			
Leptospira		1407	1507	1607	1707	1807
Campylobacter (vibrio)			1508	1608	1708	1808
Trichomoniasis			1509	1609	1709	1809
CLOSTRIDIAL						
C. perfringens C and D (enterotoxemia, overeating)	1310	1410	1510	1610	1710	1810
C. chauvoei (blackleg)	1311	1411	1511	1611	1711	1811
C. septicum (malignant edema)	1312	1412	1512	1612	1712	1812
C. sordeli	1313	1413	1513	1613	1713	1813
C. hemolytica (redwater)	1314	1414	1514	1614	1714	1814
C. novyi (black disease)	1315	1415	1515	1615	1715	1815
C. tetani (tetanus)	1316	1416	1516	1616	1716	1816
DIGESTIVE						
Rota/Corona	1317	1417	1517	1617	1717	1817
E. coli	1318	1418	1518	1618	1718	1818
Salmonella	1319	1419	1519	1619	1719	1819
OTHER						
Anaplasmosis		1420	1520	1620	1720	1820
Anthrax	1321	1421	1521	1621	1721	1821
Moraxella bovis (pinkeye)		1422	1522	1622	1722	1822
Rabies virus		1423	1523	1623	1723	1823
Wart virus	1324	1424	1524	1624	1724	1824



NOTE to VMO:
At the end of the interview, enter the response to question 4d in Section 1 to the Beef Breeding Management Report. This information will be needed when conducting the Second Interview in July.

Public reporting burden for this collection of information is estimated to average .75 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

PDQ 1900 _____
FDQ 1901 _____

