



2

Animal and
Plant Health
Inspection
Service

Veterinary
Services

Beef 2017 VS Visit

(January 22 – April 6, 2018)



National Animal Health
Monitoring System

2150 Centre Ave Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number: 0579-0326
Expires xxxx

State FIPS:	Operation #:	Interviewer:	Date:
2 digits	4 digits	Initials	(mm/dd/yy)

Arrival time at operation: _____

Be sure the Producer understands that in this questionnaire, the term “you” refers to how “this operation” conducts the management practices of the beef operation.

Indicate to the Producer that these questions (except where noted) refer to the cow-calf operation and do not include any dairy, stocker, or feedlot enterprise that is or might be part of this operation.

For comparison, from the General Beef Management Report, enter the response to the following questions:

Page 2, Item 2a, total number of beef cows on hand as of October 1, 2017 _____

Page 3, Item 9, beef calves born alive or expected to be born alive in 2017 _____

Section A—Inventory and Sales Practices

1. a. How many **beef cows**, including heifers that have calved, were on hand on January 1, 2018?V100 _____ head
- b. Of these, how many were:
 - (i) Less than 5 years old?V101 _____ head
 - (ii) 5 to 9 years old?V102 _____ head
 - (iii) 10 years or older?.....V103 _____ head
 - (iv) Add questions 1b(i), 1b(ii), and 1b(iii). **Total** should equal question 1a....V104 = _____ head

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2. During 2017, how many beef calves were born:
- a. Alive?.....V105 _____ head
- b. Dead?.....V106 _____ head
3. During 2017, did this operation **sell** any beef cattle or weaned calves?..... V107 ₁ Yes ₃ No

[If question 3 = No, SKIP to section B.]

Code List A1—Method-of-sale codes, question 4		
1 – Auction	4 – Consignment	7 – Other (specify: _____)
2 – Direct – video/Internet auction	5 – Forward contract	
3 – Direct – private treaty	6 – Carcass basis	V108OTH

4. Now I'd like to ask about beef cattle and weaned calves **sold** during 2017. I'll need the number of head sold and the **primary** method of sale. *[Use code from List A1 above.]*
- During 2017, how many:

	No. head	Sale code
a. Steers, weaned or older, were sold?	V108	V115
b. Heifers, weaned or older, were sold for breeding stock?	V109	V116
c. Other heifers, weaned or older, were sold for purposes other than breeding (e.g., for backgrounding, feeding or slaughter)?	V110	V117
d. Cows were sold for breeding stock?	V111	V118
e. Other cows were sold for purposes other than breeding (culls, whether for feeding or slaughter)?	V112	V119
f. Bulls, weaned and under two years old, were sold for breeding stock?	V113	V120
g. Other bulls, weaned and under two years old, were sold for purposes other than breeding (e.g., for backgrounding, feeding, or slaughter)	V114	V121
h. Breeding bulls, two years or older, were sold (culls, whether for breeding at another operation, feeding or slaughter)?		

5. During 2017, did this operation **sell** any weaned calves for purposes other than breeding? *[We are interested in weaned calves destined for feedlot, backgrounder, or stocker operations.]* V122 ₁ Yes ₃ No

[If question 5 = No, SKIP to question 13.]

6. For weaned calves sold during 2017 for purposes other than breeding, how many days after weaning, on average, were the calves held before they left the operation? *[If calves leave the operation on the day they are weaned, enter "0" for number of days]* V123 _____ days
7. For weaned calves sold during 2017 for purposes other than breeding, how many Days, on average, were the calves fed in a feed bunk before they left the operation?
- a. Before weaning (creep feeding)..... _____ days
- b. After weaning _____ days

State/Operation #: _____

8. For weaned calves sold during 2017 for purposes other than breeding, were calves treated for internal or external parasites before they left the operation?
- a. Internal parasites (worms)..... ₁ Yes ₃ No
- b. External parasites (flies, lice, ticks, grubs)..... ₁ Yes ₃ No
9. For weaned calves sold during 2017 for purposes other than breeding, were calves dehorned before they left the operation? *[If calves are all polled, enter "NA"].*..... ₁ Yes ₂ NA ₃ No

[If question 9 = No, SKIP to question 11.]

10. For calves that were dehorned before they left the operation, how many days after dehorning, on average, were the calves held before they left the operation? _____ days
11. For weaned calves sold during 2017 for purposes other than breeding, were calves castrated before they left the operation?..... ₁ Yes ₃ No

[If question 11 = No, SKIP to question 13.]

12. For calves that were castrated before they left the operation, how many days after castration, on average, were the calves held before they left the operation? _____ days

13. *[Refer to question 4e above—cows sold for purposes other than breeding (culls).]*

[If question 4e = Zero, SKIP to section B.]

What was the average weight of cows sold for purposes other than breeding (culls) during 2017? V124 _____ lb

14. Of the (question 4e) cows sold for purposes other than breeding (culls), how many were sold **primarily** because of:
- a. Pregnancy status (open or aborted)? V125 _____ head
- b. Other reproductive problems (other than open or aborted)? V126 _____ head
- c. Producing poor calves?..... V127 _____ head
- d. Age or bad teeth?..... V128 _____ head
- e. Physical unsoundness (e.g., injury or lameness)?..... V129 _____ head
- f. Bad eyes? V130 _____ head
- g. Digestive problem? V131 _____ head
- h. Respiratory problem? V132 _____ head
- i. Udder problem? V133 _____ head
- j. Temperament? V134 _____ head
- k. Economics, such as drought, herd reduction, or market conditions? V135 _____ head
- l. Some other factor? (specify: _____ V136OTH) V136 _____ head
- m. *Add numbers by cause. Total should equal number of head in question 4e. ...* V137 = _____ head

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15. How many of the (question 4e) cows sold for purposes other than breeding (culls) were:

- a. Less than 5 years old?V138 _____ head
- b. 5 to 9 years old?V139 _____ head
- c. 10 years or older?V140 _____ head
- d. *Add numbers by age. **Total** should equal number of head in question 4e.V141* = _____ **head**

Section B—Vaccination and Testing Practices

Vaccination Practices

1. a. During 2017, did you vaccinate **any** beef cattle or calves? V586 ₁ Yes ₃ No

[If question 1a = No, SKIP to question 7.]

b. For the vaccines administered to cattle during 2017, enter X in the cell(s) for the cattle class(es) that received the vaccine; leave all other cells blank.

	Calves 1 to 21 days	Calves 22 days <u>through</u> weaning	Weaned replacement heifers <u>through</u> breeding	Bred replacement heifers <u>through</u> calving	Cows	Bulls
GENERAL (resp and/or repro)						
a. IBR (rednose, infectious bovine rhinotracheitis)	V142	V158	V176	V195	V215	V235
b. BVD (bovine viral diarrhea)	V143	V159	V177	V196	V216	V236
c. <i>Histophilus somni</i> (formerly <i>Haemophilus somnus</i>)	V144	V160	V178	V197	V217	V237
RESPIRATORY						
d. PI3 (parainfluenza virus)	V145	V161	V179	V198	V218	V238
e. BRSV (bovine respiratory syncytial virus)	V146	V162	V180	V199	V219	V239
f. <i>Pasteurella/Mannheimia</i>	V147	V163	V181	V200	V220	V240
REPRODUCTIVE						
g. <i>Brucella abortus</i>		V164	V182	V201	V221	
h. <i>Leptospira</i>		V165	V183	V202	V222	V241
i. <i>Campylobacter</i> (vibrio)			V184	V203	V223	V242
j. <i>Trichostrongylus</i> (Trich)			V185	V204	V224	V243
CLOSTRIDIAL						
k. <i>Clostridium chauvoei</i> (blackleg) and/or <i>Cl. septicum</i> (malignant edema) and/or <i>Cl. novyi</i> and/or <i>Cl. sordellii</i> (2- or 4-way)	V148	V166	V186	V206	V226	V244
l. <i>Cl. perfringens</i> C and D (enterotoxemia, overeating)	V149	V167	V187	V207	V227	V245
m. <i>Cl. tetani</i> (tetanus)	V150	V168	V188	V208	V228	V246
DIGESTIVE						
n. Rota/corona	V151	V169	V189	V209	V229	
o. <i>E. coli</i>	V152	V170	V190	V210	V230	
p. <i>Salmonella</i>	V153	V171	V191	V211	V231	V247
OTHER						
q. Anthrax						
r. Johne's	V155	V173				
s. <i>Moraxella bovis</i> (pink eye)	V156	V174	V193	V213	V233	V249
t. Wart virus	V157	V175	V194	V214	V234	V250
u. Other vaccine (specify: _____)	V157	V157	V157	V157	V157	V157

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2. How many times is a calf typically vaccinated for respiratory disease from birth to sale? [Count each vaccination event—whether the calf is given single or multiple injections at the event to cover the various respiratory disease(s)—as one time.]..... _____ #

[If question 2 = Zero, SKIP to question 4.]

3. When vaccinating calves for respiratory disease before sale, do you vaccinate them:
- a. After weaning but before sale? V252 ₁ Yes ₃ No
 - b. At weaning? V253 ₁ Yes ₃ No
 - c. Less than 14 days prior to weaning? V254 ₁ Yes ₃ No
 - d. 30 to 14 days prior to weaning? V255 ₁ Yes ₃ No
 - e. From birth through 31 days prior to weaning? V256 ₁ Yes ₃ No

BVD vaccination practices

[Data Collector: Refer to section B, question 1b.b on page 5 to answer questions 4 and 5.]

4. During 2017, did you vaccinate any cattle against BVD? V265 ₁ Yes ₃ No

[If question 4 = No, SKIP to question 7.]

5. Were the following cattle classes vaccinated against BVD during 2017?
[If Yes, show the Producer Guide 1 (BVD Vaccine Reference Card) and enter the vaccine code for the product used most commonly for that age group.]

- | | | | Vaccine code
(from Guide 1) |
|--|--|------------|---------------------------------------|
| a. Calves 1 to 21 days.....V266/V273 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| b. Calves 22 days through weaning.....V267/V274 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| If question 5b = Yes, number of times a calf
is vaccinated between 22 days and weaning V275 | | | _____ times |
| c. Weaned replacement heifers through breeding.....V268/V276 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| d. Bred replacement heifers precalvingV269/V277
(e.g., at pregnancy check) | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| e. Cows prebreedingV270/V278 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| f. Cows precalving (e.g., at pregnancy check).....V271/V279 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| g. Bulls.....V272/V280 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |

6. Were the following cattle classes given an annual **BVD booster injection during 2017**?
[If Yes, show the Producer Guide 1 (BVD Vaccine Reference Card) and enter the vaccine code for the product used most commonly.]

- | | | | Vaccine code
(from Guide 1) |
|-------------------------|--|------------|---------------------------------------|
| a. Cows V281/V283 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |
| b. Bulls..... V282/V284 | <input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No | _____ code | |

Testing Practices

BVD testing practices

7. Do you believe that testing a group of calves and subsequent removal of any that are persistently infected with BVD virus affects the **value** of the remaining calves in the group?..... V285 ₁ Yes ₂ DK ₃ No

[If question 7 = No or Don't know, SKIP to question 8.]

- a. How much does the value of a BVD-negative calf increase or decrease after its group is tested for persistent infection (PI) with BVD virus and all positive animals are removed?V286/V287 + _____ \$/hd OR - _____ \$/hd
8. Do you market calves for sale as BVD-PI negative?..... ₁ Yes ₃ No
9. Do you believe that removing calves that have tested positive for persistent infection (PI) with BVD virus affects the **health** of the remaining cattle in the group? V288 ₁ Yes ₂ DK ₃ No

[If question 9 = No or Don't know, SKIP to question 11.]

10. Would you expect to see the following health effects from removing calves positive for persistent infection (PI) with BVD virus?
- a. Improved reproductive efficiency (fewer abortions, stillbirths) V289 ₁ Yes ₃ No
- b. Reduced sickness and/or treatment costs V290 ₁ Yes ₃ No
- c. Reduced death loss V291 ₁ Yes ₃ No
- d. Other (specify: _____V292OTH)..... V292 ₁ Yes ₃ No
11. In the past **3 years**, have you tested any **beef cattle** for persistent infection (PI) with BVD virus? V293 ₁ Yes ₃ No

[If questions 11 = No, SKIP to question 14.]

12. During 2017, did you BVD test:
- a. All calves born to heifers/cows bred on the operation? V294 ₁ Yes ₂ NA ₃ No
- b. All calves born to heifers/cows purchased when pregnant?..... V295 ₁ Yes ₂ NA ₃ No
- c. All calves acquired as part of a cow-calf pair?..... V296 ₁ Yes ₂ NA ₃ No
- d. All heifers/cows purchased when open?..... V297 ₁ Yes ₂ NA ₃ No
- e. Clinical suspects? V298 ₁ Yes ₂ NA ₃ No
- f. Other (specify: _____V299OTH)..... V299 ₁ Yes ₂ NA ₃ No

[If questions 11a-f are ALL No or NA, SKIP to question 14.]

13. What samples were collected for BVD testing?

- a. Ear notches V300 ₁ Yes ₃ No
 - (i) If Yes, how were the samples tested at the laboratory?
 - (a) Pools followed by individual testing if a positive was identified V301 ₁ Yes ₂ DK ₃ No
 - (b) Individual sample testing only V302 ₁ Yes ₂ DK ₃ No
- b. Serum samples V303 ₁ Yes ₃ No
 - (i) If Yes, how were the samples tested at the laboratory?
 - (a) Pools followed by individual testing if a positive was identified V304 ₁ Yes ₂ DK ₃ No
 - (b) Individual sample testing only V305 ₁ Yes ₂ DK ₃ No

Parasite testing practices

14. In the last 3 years, have you done any fecal testing to evaluate parasite burdens?V306 ₁ Yes ₃ No

Section C—Disease Control, Illness, and Deaths

1. During 2017, did you use antibiotics in **feed** for treatment, control, or prevention of disease and/or to promote growth*? V307 ₁ Yes ₃ No

*On January 1, 2017, medically important antibiotics, like chlortetracycline, were no longer allowed to be used for growth promotion purposes. However, bambarmycins (Gainpro®) and ionophores (Rumensin®, Bovatec®, and Cattlyst®) are all considered non-medically important antibiotics, and these can still be used for growth promotion purposes after January 1, 2017.

[If question 1 = No, SKIP to question 3.]

Code List C1—Question 2, column B	
1 – Trade journals	5 – Nutritionist
2 – Other producers	6 – Supplier of antibiotics other than veterinarian (e.g., feed store, direct marketer, Internet company)
3 – Local veterinary practitioner	7 – Other (specify: _____ _{V308OTH})
4 – Consulting or second-opinion veterinarian	8 – No other influences

2. a. For the three animal classes listed in the table below, did you use antibiotics in feed (including creep feed) during 2017 for the primary purposes indicated? [Check Yes or No in column A.]

b. [If column A is Yes, complete columns B, C, and D. If column A is No, proceed to next row.]

Column B: For those primary purposes for which you used antibiotics in feed, **other than your knowledge and experience**, who or what had the primary influence on decisions regarding which antibiotics to use? [Enter a code from List C1 (above) in column B (below).]

Column C: What was the primary antibiotic used? [Consult Guide 2 (Antibiotics Used in Feed) and enter the appropriate code for the primary antibiotic used in column C (below).]

Column D: On average, how many days was the antibiotic fed to an animal in that age group? [In column D (below), enter the average number of days the antibiotic was fed to an animal in that age group.]

Animal class	Primary purpose	Column A Used antibiotics in feed in 2017?	Column B <i>If Column A = Yes</i> Primary Influence (from List C1)	Column C Primary antibiotic (code from Guide 2)	Column D Average number of days fed
Unweaned calves	Prevention, control, or treatment of respiratory disease	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No _{V308a}	_{V308b}	_{V308c}	_{V308d}
	Other (specify: _____ _{V309OTH})	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No _{V309a}	_{V309b}	_{V309c}	_{V309d}
Replacement heifers weaned but not yet calved [If none, enter NA.]	Prevention, control, or treatment of respiratory disease	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No _{V310a}	_{V310b}	_{V310c}	_{V310d}
	Promote growth*	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No _{V311a}	_{V311b}	_{V311c}	_{V311d}
	Other (specify: _____ _{V312OTH})	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No _{V312a}	_{V312b}	_{V312c}	_{V312d}
Other calves weaned but not yet shipped for feeding or sold as breeding stock [If none, enter NA.]	Prevention, control, or treatment of respiratory disease	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No _{V313a}	_{V313b}	_{V313c}	_{V313d}
	Promote growth*	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No _{V314a}	_{V314b}	_{V314c}	_{V314d}
	Other (specify: _____ _{V315OTH})	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No _{V315a}	_{V315b}	_{V315c}	_{V315d}

*On January 1, 2017, medically important antibiotics, like chlortetracycline, were no longer allowed to be used for growth promotion purposes. However, bambamycin (Gainpro®) and ionophores (Rumensin®, Bovatec®, and Cattlyst®) are all considered non-medically important antibiotics, and these can still be used for growth promotion purposes after January 1, 2017.

3. In 2017, did you use either oral (via bolus, drench, or drinking water) or injectable antibiotics to **treat** disease?_{V337} ₁ Yes ₃ No

[If question 3 = No, SKIP to question 6.]

Code List C2—Question 4, column B	
1 – Trade journals	5 – Supplier of antibiotics other than veterinarian (e.g., feed store, direct marketer, Internet company)
2 – Other producers	6 – Other (specify: _____ V338OTH)
3 – Local veterinary practitioner	7 – No other influences
4 – Consulting or second-opinion veterinarian	

4. a. For the two animal classes listed in the table below, did you use oral (via bolus, drench, or drinking water) or injectable antibiotics to treat or control the listed diseases in 2017? *[Check Yes or No in column A.]*
- b. *[If column A is Yes, continue with column B to complete row.]* Aside from you, who or what had the **primary influence** on decisions regarding which **oral** or **injectable** antibiotics to use? *[Enter a code from List C2 (above) in column B (below).]*

Animal class	Disease	Column A Use antibiotics to treat disease?	Column B <i>If Column A = Yes</i> Primary influence on decisions (from List C2)
Unweaned calves	Pinkeye	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V338a	V338b
	Respiratory disease	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V339a	V339b
	Digestive disease	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V340a	V340b
	Other (specify: _____ V341OTH)	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V341a	V341b
Replacement heifers weaned but not yet calved	Pinkeye	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V342a	V342b
	Footrot	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V342a	V342b
	Respiratory disease	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V343a	V343b
	Other (specify: _____ V344OTH)	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No V344a	V344b

5. How many animals in each of the following categories were given antibiotics at least once via either oral (via bolus, drench, or drinking water) or injectable routes to treat or control any **diseases** or **disorders** during 2017? *[Write in NA if category not on operation.]*
- a. Unweaned calves V345 _____ head
- b. Replacement heifers weaned but not yet calved V346 _____ head
- c. Cows V347 _____ head

6. Complete the table below for **treatment or control of DISEASES or DISORDERS** in unweaned calves, replacement heifers weaned but not yet calved, and cows in 2017.
 [Codes for this table are in Guide 3 (Oral and Injectable Antibiotics Used to Treat Disease).]

Animal class	Disease or disorder	Number affected during 2017	Number of affected animals given antibiotics via bolus or drench	Primary antibiotic used via bolus or drench (code)	Number of affected animals given antibiotics in drinking water	Primary drinking water antibiotic used (code)	Number of affected animals given INJECTABLE antibiotics	Primary INJECTABLE antibiotic used (code)
Unweaned calves	Respiratory	V348	V365	V382			V399	V416
	Diarrhea/scours or other digestive	V349	V366			V383	V400	V417
	Pinkeye	V350	V367			V384	V401	V418
	Navel infection	V351	V368			V385	V402	V419
	Other (specify) ^{V3520} _{TH}	V352	V369			V386	V403	V420
Replacement heifers weaned but not yet calved	Respiratory	V353	V370	V387			V404	V421
	Diarrhea or other digestive	V354	V371			V388	V405	V422
	Pinkeye	V355	V372			V389	V406	V423
	Lameness/footrot	V356	V373			V390	V407	V424
	Other (specify) ^{V3570} _{TH}	V357	V374			V391	V408	V425
Cows	Respiratory	V358	V375	V392			V409	V426
	Diarrhea or other digestive	V359	V376			V393	V410	V427
	Pinkeye	V360	V377			V394	V411	V428
	Reproductive (retained placenta/uterine infection)	V361	V378			V395	V412	V429
	Mastitis							
	Abortion	V362	V379			V396	V413	V430
	Lameness/footrot	V363	V380			V397	V414	V431
	Other (specify) ^{V3640} _{TH}	V364	V381			V398	V415	V432

7. In general, do you treat calves 7 days and older with antibiotics if they have diarrhea (scours)? V433 ₁ Yes ₃ No
8. In 2017, did you use chlortetracycline (CTC, aureomycin) for control of anaplasmosis in cattle on your operation (excluding use by injection)? ₁ Yes ₃ No

[If question 8 = No, SKIP to question 12.]

State/Operation #: _____

9. During 2017, how was the chlortetracycline administered to cattle for control of anaplasmosis on your operation?

- a. Free choice loose mineral ₁ Yes ₃ No
- b. Medicated mineral block ₁ Yes ₃ No
- c. Mixed in feed ₁ Yes ₃ No
- d. In cattle drinking water ₁ Yes ₃ No
- e. Other method (specify: _____) ₁ Yes ₃ No

10. How many months during 2017 was chlortetracycline administered to cattle via feed, mineral, or drinking water for control of anaplasmosis? [Enter a number from 1 to 12.] _____ #

11. What was the **primary** reason for using chlortetracycline for anaplasmosis control on your operation during 2017? [Check one only.]

- ₁ Recommended by veterinarian
- ₂ Recommended by nutritionist
- ₃ Anaplasmosis has been diagnosed in the past in cattle on this operation (by lab testing or examination by veterinarian)
- ₄ Anaplasmosis has been diagnosed in the past in other herds in the area
- ₅ Recommended by supplier of antibiotics other than veterinarian (e.g., feed salesmen)
- ₆ Other reason (specify: _____)

12. How familiar are you with the meaning of a veterinarian-client-patient relationship (VCPR)?

- ₁ Have at least a basic understanding of what it means
- ₂ Heard the name but do not know what it means
- ₃ Never heard of it

13. In 2017, did you use the services of a veterinarian for cattle on your operation?.....

- ₁ Yes ₃ No

[If question 13 = Yes, SKIP to question 15.]

14. Which of the following is the primary reason for **not** using a veterinarian in 2017? [Check one only.]

- ₁ Veterinarian was available in the local area but not knowledgeable about beef cattle
- ₂ Veterinarian was not available in the local area
- ₃ Too expensive
- ₄ Not needed on this operation
- ₅ Other (specify: _____)

[If question 14 was answered, SKIP to question 16.]

15. Was the primary veterinarian you used during 2017 a: [Check one only.]

- ₁ Full-time veterinarian on staff?
- ₂ Private veterinarian who made regular or routine visits?
- ₃ Private veterinarian you called as needed?

[Please read text below to respondent prior to asking Question 16]

The FDA definition of a “valid veterinarian-client-patient relationship” (VCPR) is described below. States can have their own definition of a VCPR as well.

1. A veterinarian has assumed the responsibility for making medical judgements regarding the health of (an) animal(s) and the need for medical treatment, and the client (the owner of the animal or animals or other caretaker) has agreed to follow the instructions of the veterinarian;
2. There is sufficient knowledge of the animal(s) by the veterinarian to initiate at least a general or preliminary diagnosis of the medical condition of the animal(s), and;
3. The practicing veterinarian is readily available for followup in case of adverse reactions or failure of the regimen of therapy. Such a relationship can exist only when the veterinarian has recently seen and is personally acquainted with the keeping and care of the animal(s) by virtue of examination of the animal(s), and/or by medically appropriate and timely visits to the premises where the animal(s) are kept.

16. Do you have a VCPR with your veterinarian for cattle on this operation?₁ Yes ₂ DK ₃ No

[If question 16 = No or don't know, SKIP to question 18.]

17. How would you describe your VCPR with your veterinarian?

[Check one only.]

- ₁ A written document signed by my veterinarian and me
- ₂ A verbal agreement between my veterinarian and me
- ₃ My veterinarian has not formally mentioned a VCPR but I consider that I have one based on his relationship with my operation

Code List C3—Question 18	
1 – Infrequently (less than every three years)	3 – Once a year
2 – Occasionally (less than once a year but at least every three years)	4 – More than once a year

18. Have you ever dewormed the cattle classes in table below, and if so, how often do you deworm?

Cattle class	Column A Ever dewormed these cattle?	Column B <i>If Column A = Yes</i> Frequency of deworming (from List C3)
Unweaned calves?	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No	
Replacement heifers weaned but not yet calved?	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No	
Weaned stocker calves?	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No	
Cows?	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₃ No	

[If ALL animal classes in question 18 Column A = No or NA, or if ALL of the Frequency codes in Column B = 1, SKIP to question 23.]

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19. Which of the following do you **primarily** use to decide when to treat your cattle for internal parasites (worms)? *[Check one only.]*

- ₁ When the cattle look rough
- ₂ Fecal consistency (diarrhea)
- ₃ On a regular schedule
- ₄ Based on fecal tests
- ₅ Other (specify: _____ V438OTH)

V438

20. Have you used the following products to treat cattle for internal parasites **in the last 3 years**? *[For help categorizing specific products into anthelmintic class, see Guide 4 (Anthelmintic Reference Card).]*

- a. Avermectins (Ivomec®--ivermectin, Cydectin®--moxidectin)? V439 ₁ Yes ₃ No
- b. Benzimidazoles (Valbazen®--albendazole, Panacur®--fenbendazole)?..... V440 ₁ Yes ₃ No
- c. Imidazothiazoles (Levasole®--levamisole)? V441 ₁ Yes ₃ No
- d. Benzenesulphonamides (Curatrem®--clorsulon, Ivomec Plus®--clorsulon)? V442 ₁ Yes ₃ No
- e. Tetrahydropyrimidines (Rumatel®--morantel)? V443 ₁ Yes ₃ No
- f. Other (specify _____) ₁ Yes ₃ No

Code List C4—Question 21	
1 – Not important	3 – Important
2 – Slightly important	4 – Very important

21. How important are each of the following as sources of **deworming information** for this operation?

**Code
(from List C4)**

- a. Veterinarian _____
- b. Other producers _____
- c. Sales representative _____
- d. Extension/university personnel _____
- e. Magazines/journals (articles and/or ads) _____
- f. Internet _____
- g. Other source (specify: _____ V456OTH) _____

22. Are you doing any of the following to prolong or improve the efficacy of the dewormers you use?

- a. Rotating dewormer type V460 ₁ Yes ₃ No
- b. Monitoring effectiveness by laboratory testing..... V461 ₁ Yes ₃ No
- c. Deworming more often..... V462 ₁ Yes ₃ No
- d. Deworming less often..... V463 ₁ Yes ₃ No
- e. Targeted deworming of certain classes of cattle (weight/age)..... ₁ Yes ₃ No
- f. Other (specify: _____ V464OTH) V464 ₁ Yes ₃ No

State/Operation #: _____

23. In 2017, did you use a pour-on product for fly and/or lice control?V480 ₁ Yes ₃ No

24. My next questions are about cattle and calves that died or were lost.

During 2017, of the (section A, question 2a) **beef calves born alive**, how many died or were lost prior to weaning from all causes? *[Exclude calves born dead (section A, question 2b) and abortions. "Were lost" can refer to instances such as cattle being stolen or cattle that were likely killed by a predator but the remains were not found.]*..... V481

_____ head

[If question 24 = Zero, SKIP to question 25.]

a. How many of these (question 24) **unweaned calves** died or were lost:

(i) 24 hours or less after birth? V482

_____ head

(ii) More than 24 hours but less than 3 weeks after birth? V483

_____ head

(iii) 3 weeks or more after birth, but before weaning?..... V484

_____ head

(iv) *Add questions 24a(i), 24a(ii), and 24a(iii). Total should equal Item 24.* V485

= _____ **head**

25. During 2017, how many **beef breeding cattle**, weaned or older (replacement heifers, cows, and bulls), died or were lost from all causes? V486

_____ head

[If both questions 24 and 25 = Zero, SKIP to question 27.]

26. How many of the deaths or losses of (question 24) unweaned calves and/or (question 25) beef breeding cattle in 2017 resulted **primarily** from the following causes?

Cause	Unweaned Beef Calves		Beef breeding cattle
	Less than 3 weeks old	3 weeks and older	
a. Digestive problems (bloat, scours, parasites, enterotoxemia, acidosis, etc.)	V487	V500	V513
b. Respiratory problems (pneumonia, shipping fever, etc.)	V488	V501	V514
c. Metabolic problems (milk fever, grass tetany, etc.)	V489	V502	V515
d. Mastitis (cows only)			V516
e. Lameness or injury	V490	V503	V517
f. Calving-related/birth-related problems	V491	V504	V518
g. Other known diseases (specify: V492OTH)	V492	V505	V519
h. Weather-related causes (lightning, drowning, chilling, etc.)	V493	V506	V520
i. Poisoning (nitrates, noxious feeds, noxious weeds, etc.)	V494	V507	V521
j. Predators (known or unknown)	V495	V508	V522
k. Theft (stolen)	V496	V509	V523
l. Other known causes (old age, etc.) (specify: V497OTH)	V497	V510	V524
Unknown causes	V498	V511	V525
m. [Sum column for each age group of unweaned beef calves.]	V499	V512	
n. Verify total [should equal question 24 or 25]	Add sum cells in row above to get total for unweaned calves:		V526 V527

27. Did you bring any new cattle onto this operation in the last 3 years?V540 1 Yes 3 No

[If question 27 = No, SKIP to section D.]

28. Before bringing cattle onto this operation in the last 3 years, did you normally require **vaccination** of the animals for:

- a. Brucellosis? [If only bulls brought on, check NA.].....V541 1 Yes 2 NA 3 No
- b. BVD (bovine viral diarrhea)? V542 1 Yes 3 No
- c. IBR (infectious bovine rhinotracheitis)? V543 1 Yes 3 No
- d. Leptospirosis? V544 1 Yes 3 No
- e. Trichomoniasis (trich)..... 1 Yes 3 No
- f. Anything else? (specify: _____V545OTH)..... V545 1 Yes 3 No

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29. Before bringing cattle onto the operation in the last 3 years, did you normally require **tests** for:

- a. Brucellosis for animals 2 years of age or older?
[If only cattle less than 2 years brought on, check NA.].....V546 ₁ Yes ₂ NA ₃ No
- b. Johne's disease (*M. paratuberculosis*)?V547 ₁ Yes ₃ No
- c. BVD (bovine viral diarrhea) (persistently infected)?V548 ₁ Yes ₃ No
- d. TB (bovine tuberculosis)?V549 ₁ Yes ₃ No
- e. Trichomoniasis (trich)..... ₁ Yes ₃ No
- f. Anything else? (specify: _____V550OTH)V550 ₁ Yes ₃ No

30. Before bringing weaned calves (stockers or replacement heifers) and/or cows onto the operation during the previous 3 years, did you normally require:
[If animals not brought on, check NA.]

- a. Testing for internal parasites (worms)?
- b. Treatment for internal parasites (worms)?

Weaned calves	Cows
<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No
<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No	<input type="checkbox"/> ₁ Yes <input type="checkbox"/> ₂ NA <input type="checkbox"/> ₃ No

V551/V553

V552/V554

Section D—Nutrition Management

1. The next questions are about nutrition and health management.
 Does this operation usually calculate a balanced ration using either published feed values (“book values”) or results of feed analyses? ₁ Yes ₃ No

[If question 1 = No, SKIP to question 3.]

2. Is the balanced ration based on **both** the animals’ requirements **and** the quality of feedstuffs available? ₁ Yes ₃ No
3. In the past **5 years**, did this operation submit samples of any feed to a laboratory for nutritional analysis? *[Include purchased and raised feed.]*..... ₁ Yes ₃ No

4. Were the following mineral and/or salt supplements fed to your cows **during fall/winter (October 2017 through March 2018)**? If fed, was the supplement fed as a block or loose?
- | | Fed | | Form | |
|----------------------------------|---|--|---------------------------------------|---------------------------------------|
| | Fall/winter | | Block | Loose |
| a. Salt (plain or iodized) | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| b. Trace mineral salt..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| c. Complete mineral | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| d. High magnesium mineral | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

5. Were the following mineral and/or salt supplements fed to your cows **during spring/summer (April 2017 through September 2017)**? If fed, was the supplement fed as a block or loose?
- | | Fed | | Form | |
|----------------------------------|---|--|---------------------------------------|---------------------------------------|
| | Spring/summer | | Block | Loose |
| a. Salt (plain or iodized) | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| b. Trace mineral salt..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| c. Complete mineral | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |
| d. High magnesium mineral | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ |

6. How many pounds or tons of mineral/salt were fed to your cow herd in 2017? pounds or tons

7. During the last 5 years, have any of the following minerals been identified as deficient or causing health or reproductive problems in the herd?
- | | | |
|---------------------|---|--|
| a. Phosphorus | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| b. Magnesium..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| c. Cobalt..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| d. Copper..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| e. Iodine..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| f. Manganese | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| g. Selenium | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |
| h. Zinc..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No |

8. In 2017, did you use the following to treat or prevent mineral-associated health or reproductive problems?

- a. Mineral mix..... ₁ Yes ₃ No
- b. Supplemental feed ₁ Yes ₃ No
- c. Injections ₁ Yes ₃ No

Code List D1—Question 9	
1 – Less than 30 percent	3 – Greater than 60 percent
2 – 30 to 60 percent	

9. During 2017, did this cow herd have access to pasture during the following Months? If so, select a code from the box above that best describes the approximate percentage of the complete diet that pasture comprised.

- | | | | Code
(from List D1) |
|-------------------|---|--|--------------------------------|
| a. January..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | _____ |
| b. March | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | _____ |
| c. May..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | _____ |
| d. July..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | _____ |
| e. September..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | _____ |
| f. November..... | <input type="checkbox"/> ₁ Yes | <input type="checkbox"/> ₃ No | _____ |

10. During 2017, did this operation make use of crop residue/aftermath as a feed source (e.g., allowing cows to feed on cornstalk residue)?

₁ Yes ₃ No

a. If Yes, what type? _____

11. During 2017, how many pounds per head per day of the listed feedstuffs were fed to this cow herd? *[Remind operator to answer in pounds per head per day as fed. Convert to this unit as needed.]*

	Jan.	Mar.	May	Jul.	Sep.	Nov.
a. Hay	_____	_____	_____	_____	_____	_____
b. Silage	_____	_____	_____	_____	_____	_____
c. Protein supplement	_____	_____	_____	_____	_____	_____
d. Energy supplement	_____	_____	_____	_____	_____	_____

12. Did this operation consult an animal nutritionist during 2017?

₁ Yes ₃ No

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Code List D2—Question 13	
1 – Not important	3 – Important
2 – Slightly important	4 – Very important

13. How important are each of the following sources of **nutritional information** for this operation?

- | | Code
(From list D2) |
|--|--------------------------------|
| a. Private nutritionist..... | _____ |
| b. Feed salesman or feed retailer | _____ |
| c. BQA manual or online modules | _____ |
| d. Extension agent | _____ |
| e. Veterinarian..... | _____ |
| f. Friend or neighbor or other producers | _____ |
| g. Producer magazine in print or online | _____ |
| h. Personal knowledge/education | _____ |

Section E—Opinions on Significance of Health Problems

1. Do you strongly agree, agree, disagree, strongly disagree, or have no opinion that the following specific health problems had a significant **economic impact** on **your operation** during 2017? **Include** the cost of prevention, cost of treatment, and lost production in the economic impact.

[Data Collector: To begin, say, “Internal parasites had a significant economic impact on this cow/calf operation during 2017.”]

Health Problem	Strongly agree	Agree	Disagree	Strongly disagree	No opinion	
PARASITES						
a. Internal parasites						V558
b. External parasites (flies, lice, ticks, grubs)						V559
DIGESTIVE						
c. Calf scours						V560
d. Bloat/colic/ulcers (abomasal/stomach)						V561
e. Coccidiosis						V562
REPRODUCTIVE						
f. Open/late calvers						V563
g. Abortion						V564
h. Weak calves						V565
RESPIRATORY						
i. Calf pneumonia/shipping fever						V566
j. Cow asthma						V567
PLANT-RELATED						
k. Plant-related toxicities						V568
OTHER						
l. Pinkeye						V569
m. Footrot						V570
n. White muscle disease (selenium/vitamin E deficiency)						V571
o. Copper deficiency						V572
p. <i>Anaplasma</i>						V573
q. Grass tetany						V574

State/Operation #: _____

2. Do you strongly agree, agree, disagree, strongly disagree, or have no opinion whether the health issues listed below are a significant problem for the **beef industry**?

[Data Collector: To begin, say, "Tuberculosis is a significant problem for the U.S. beef cattle industry."]

Health issue	Strongly agree	Agree	Disagree	Strongly disagree	No opinion/ unfamiliar with disease	
a. Tuberculosis						V575
b. Brucellosis						V576
c. <i>Trichostrongylus</i> infection (trich)						V577
d. Johne's disease (paratuberculosis)						V578
e. BLV (bovine leukosis virus) infection						V579
f. BVD (bovine viral diarrhea)						V580
g. <i>Anaplasma</i> infection						V581
h. <i>Neospora</i> infection						V582
i. Bluetongue						
j. Internal parasites (worms)						V583
k. Resistance to anthelmintics (dewormers)						V584

3. Do you agree, disagree, or have no opinion with the following statement [check one only]:

"The United States is well prepared to handle outbreaks of livestock disease currently not found in this country, such as foot-and-mouth disease."

Agree	Disagree	No opinion

V585

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State FIPS: _____ 2-digits	Operation #: _____ 4-digits	Interviewer: _____ Initials	Date: _____ (mm/dd/yy)
--------------------------------------	---------------------------------------	---------------------------------------	----------------------------------

1. Total time for interview (include time to discuss the program and complete the questionnaire). If more than one data collector present, enter the combined time..... _____ min VITIME
2. Total travel time (round trip). If more than one data collector present, enter the combined time..... _____ min VTTIME
3. Data collector(s): *[Enter the number for each category.]*
 _____ Federal VMO _____ Federal AHT _____ State personnel _____ Other (specify) VVMO/VAHT/VST/VOTH
4. Enter response code 99 if questionnaire is completed or enter one code of 00-07 that best describes the reason why the owner is not participating..... _____ code VRCO

- 99 = Survey completed
- 00 = Inaccessible after five contact attempts
- 01 = Poor time of year or no time
- 02 = Does not want anyone on operation
- 03 = Bad experience with government veterinarians
- 04 = Does not want to do another survey or divulge information
- 05 = Told NASS they did not want to be contacted
- 06 = Ineligible (no beef cows)
- 07 = Other reason (explain below)

Contact attempt history			
Date (mm/dd)	Time (am/pm)	Action	Outcome
1/22	4:30 pm	Phone call	Left msg on machine
CDATE	CTIME	CACTION	COUTCOME

5. Which of the following best describes the respondent's position with this operation? _____ code VCONS
 1 = Owner
 2 = Manager
 3 = Family member (other than owner or manager)
 4 = Other hired employee
 5 = Other (specify: _____) VPOSOTH

6. Producer data quality..... 1 Good to excellent 2 OK 3 Poor VPDQ

7. Did the respondent use written or computerized records to assist in answering this survey? 1 Yes 3 No

Comments regarding this questionnaire or operation:

VMO or AHT Signature: _____

TO BE COMPLETED BY THE COORDINATOR:

Field data quality 1 Good to Excellent 2 OK 3 Poor VFDQ