

NAHMS ID: _____



Animal and
Plant Health
Inspection
Service

Veterinary
Services

National Animal Health
Monitoring System

2150 Centre Ave Bldg B
Fort Collins, CO 80526

Weaned Pig Antibiotic Use Questionnaire

Beginning time (military) _____

State FIPS: _____ 2 digits	Operation #: _____ 4 digits	Site #: _____ 2 digits	Interviewer: _____ initials	Date: ____/____/____ mm/dd/yy
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Introduction

[Rephrase in your own words.]

We would like to ask you some questions about the hogs and pigs, regardless of ownership, on the land you operate. To understand important issues in the hog industry, we need to obtain information about the health management of your hogs. Unless otherwise noted all questions refer to the period between July 1 and December 31, 2016.

You may find it easier to answer some of the questions if you have your records available. Response is voluntary and not required by law. However, your report is needed to make regional and National estimates as accurate as possible.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-XXXX. The time required to complete this information collection is estimated to average 1 hour per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.	OMB Approved 0579-XXXX EXP.: XX/XXXX
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Section A—Site Inventory

1. Of the total hogs and pigs on this site on December 1, 2016, how many were:
 - a. Sows and gilts, either bred or unmated, intended for breeding? _____ #
 - b. Suckling pigs? _____ #
 - c. Boars and young males for breeding, including teaser boars? _____ #
 - d. Cull sows, gilts, and boars? _____ #
 - e. Weaned market hogs under 60 pounds? _____ #
 - f. Market hogs 60 pounds and over, excluding cull cows, gilts, and boars? _____ #
 - g. Total _____ #

➔ NOTE: If the interviewee has electronic or paper records from 2016 that would assist this process, ask him/her to bring them out now.

Section B—Nursery-age Pigs

Nursery-age pigs are weaned market hogs approximately weighing under 60 pounds. They may be housed in either a nursery unit or a wean-to-finish unit.

1. Between July 1 and December 31, 2016, how many nursery-age pigs entered the **nursery** phase on this site? [*Include pigs weaned on this site, purchases, and movements from other facilities.*] _____ #

[If question 1 = 0, SKIP to question 3.]

2. In number of days, what was the **average age** of the (question 1) nursery-age pigs when they:
 - a. Entered the **nursery** phase? _____ #
 - b. Left the **nursery** phase? _____ #
3. Between July 1 and December 31, 2016, how many nursery-age pigs entered a **wean-to-finish** phase on this site? [*Include pigs weaned on this site, purchases, and movements from other facilities.*] _____ #

[If questions 1 AND 3 both equal 0, SKIP to section C. If question 3 = 0, skip to question 5]

4. In number of days, what was the **average age** of the (question 1) nursery-age pigs when they:
 - a. Entered the **wean-to-finish** phase? _____ #
 - b. Left the **wean-to-finish** phase? _____ #
5. Add the numbers from questions 1 and 3: _____ #
6. Of the (question 1 or question 3) nursery-age pigs that entered the nursery or wean-to-finish phase on this site, how many **died while they were nursery-age**? _____ #
7. Between July 1 and December 31, 2016, were any medications given by **water** for any reason to **nursery-age** pigs? ₁ Yes ₃ No

[If question 7 = No, SKIP to question 10.]

Reason codes for question 8	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Prevention, control, or treatment of meningitis/polyserositis/arthritis
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____)

8. [Show medication list to respondent.] For any medications given by **water** for any reason between July 1 and December 31, 2016, to nursery-age pigs, enter the reason(s) given [enter code(s) from list above], the percentage of **nursery age** pigs that received the medication, and the average number of days **medication** was given in the water.

		Reason code [Enter all that apply.]	Percent of nursery pigs from section B, question 5 that received this product during 2016	Average days in water per group
Active ingredient	Example trade names			
a. Bacitracin methylene disalicylate	BMD® soluble, solutracin			
b. Bacitracin zinc	Baciferm® soluble			
c. Chlortetracycline	Aureomycin soluble powder, Chlortet-Soluble-O, Chloronex® soluble			
d. Chlortetracycline/sulphamethazine	Chloronex® Sulmet® soluble powder, Aureo sulfa soluble powder			
e. Florfenicol	Nufloor® concentrate solution, Florvio™ 2.3% concentration solution			
f. Gentamicin	Garacin® oral solution, Gentocin® oral solution, Gental® oral solution, GentaMed™ soluble powder			
g. Lincomycin	LinxMed-SP®, Linco soluble, Lincosol soluble powder, Lincomix® soluble powder			
h. Lincomycin/spectinomycin	L-S 50 Water soluble® powder, SpecLinx-50®			
i. Neomycin	Neosol, Neomix® soluble powder, Biosol® Liquid, Neo-Sol 50®, Neo 200 oral solution, Neomycin oral solution			
j. Oxytetracycline	Terramycin® soluble powder, Oxytet® soluble, Tetroxy®			
k. Penicillin G	PenAqua Sol G®, Solu-Pen			
l. Spectinomycin	Spectam®, Spectogard Scour-Chek™, Spectinomycin oral liquid			

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m.	Sulfachlorpyridazine	Vetisulid®, Prinzone oral suspension, Pyradan oral suspension			
n.	Sulfadimethoxine	Albon® oral suspension, Agribon soluble powder, Sulfasol®, Sulforal®, Di-Methox soluble powder			
o.	Sulfamethazine	Sulmet®, Purina® sulfa, SMZ-Med™ 454 soluble powder			
p.	Sulfaquinoxaline	S.Q. 20% Solution, Sul-Q-Nox, Sulfanox liquid, Sulquin®			
q.	Tetracycline	Tet-Sol® 324, Duramycin-10, Polyotic®, Tetra-Bac 324 soluble powder			
r.	Tiamulin	Denagard® liquid concentrate, TiaGard™, Triamulux™			
s.	Tilmicosin	Pulmotil® AC			
t.	Tylosin	Tylan® soluble, Tylovet® soluble			
u.	Tylvalosin	Avlosin®			
v.	Other medications (specify: _____)				

9. What is the role of the person who answered question 7?
[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Company veterinarian
- ₄ Private or other veterinarian
- ₅ Employee of feed mill supplying feed
- ₆ Company nutritionist or other nutritionist
- ₇ Other (specify _____)

10. Between July 1 and December 31, 2016, were any medications given by **feed** for any reason to nursery-age pigs? ₁ Yes ₃ No

[If question 10 = No, SKIP to section C.]

Reason codes for question 11	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Increased rate of gain and improved feed efficiency (growth promotion)
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____)

11. [Show medication list to respondent.] For any medications given by **feed** for any reason between July 1 and December 31, 2016, to nursery-age pigs, enter the reason(s) given [enter code(s) from list above], the percentage of **nursery age** pigs that received the medication, and the **average** number of **days** medication was given in feed. If you pulse-dosed an antibiotic (i.e., used the same antibiotic on the same pen of hogs multiple times during the feeding period), estimate the average number of days in total that the antibiotic was used.

	Active ingredient	Example trade name	Reason code [Enter all that apply.]	Percent of nursery pigs from section B, question 5 that received this product during 2016	Average age of pigs (in days) when product was first added to feed	Total days in feed per group
a.	Avilamycin	Kavault®				
b.	Bacitracin methylene disalicylate	BMD®				
c.	Bacitracin methylene disalicylate/ Chlortetracycline	BMD®/ Aureomycin®				
d.	Bacitracin zinc	Albac®, Baciferm®,				
e.	Bambermycin	Flavomycin®				
f.	Carbadox	Mecadox				
g.	Carbadox/ oxytetracycline	Mecadox®/ Terramycin®				
h.	Chlortetracycline	Aureomycin®, ChlorMax™, Pfichlor™, CLTC, Pennchlor™, Chloratet™				
i.	Chlortetracycline/ sulfamethazine	Aureomix® S				
j.	Chlortetracycline/ tiamulin	Denagard® Plus CTC®, Pennchlor™/ Denagard®				
k.	Chlortetracycline/ sulfathiazole/ penicillin	CSP™ 250, CSP™ 500				
l.	Chlortetracycline/ sulfamethazine/penicillin	ChlorMax™-SP, Pennchlor SP				
m.	Florfenicol	Nufloor®				
n.	Lincomycin	Lincomix®				
o.	Narasin	Skycis®				
p.	Neomycin/terramycin	Neo-Oxy 100/100®, Neo- Terramycin				
q.	Oxytetracycline	Terramycin®, OXTC®, TM- 50®, TM-100®, Pennox™				
r.	Tiamulin	Denagard®				
s.	Tilmicosin	Pulmotil® 90, Tilmovet® 90				
t.	Tylosin	Tylan®, Tylovet®				
u.	Tylosin/sulfamethazine	Tylan® Sulfa-G				
	Tylvalosin	Avlosin® 17%				
v.	Virginiamycin	Stafac®				

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12. What is the role of the person who answered question 9?

[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Company veterinarian
- ₄ Private or other veterinarian
- ₅ Employee of feed mill supplying feed
- ₆ Company nutritionist or other nutritionist
- ₇ Other (specify _____)

Section C—Grower/Finisher Pigs

Grower/finisher age pigs are weaned market hogs approximately 60 pounds and over. They may be housed in either a grower/finisher unit or a wean-to-finish unit.

1. Between July 1 and December 31, 2016, how many grower/finisher-age pigs entered the grower/finisher phase or remained in the wean-to-finish unit on this site?

[Include those that came from the nursery phase purchases, and movements from other facilities.]

_____ #

[If question 1 = 0, SKIP to section D.]

2. For those grower/finisher age pigs not in a wean-to-finish unit, what was the **average age** of the grower/finisher-age pigs when they:

a. Entered the grower/finisher phases? _____ #

b. Left the grower/finisher phases? _____ #

3. Of the (question 1) grower/finisher age pigs, on this site,

how many **died while they were grower/finisher age**? _____ #

4. Between July 1 and December 31, 2016, were any medications

given by **water** for any reason to **grower/finisher-age** pigs? ₁ Yes ₃ No

[If question 4 = No, SKIP to question 6.]

Reason codes for question 5	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Prevention, control, or treatment of meningitis/polyserositis/arthritis
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____)

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5. [Show medication list to respondent.] For any medications given by **water** for any reason between July 1 and December 31, 2016, to grower/finisher age pigs, enter the reason(s) given [enter code(s) from list above], the percentage of **grower/finisher age** pigs that received the medication, and the **average** number of **days** medication was given in the water.

	Active ingredient	Example trade names	Reason code [Enter all that apply.]	Percent of grower/finisher pigs from section C, question 1 that received this product during 2016	Average days in water per group
a.	Bacitracin methylene disalicylate	BMD® soluble, Solu-tracin			
b.	Bacitracin zinc	Baciferm® soluble			
c.	Chlortetracycline	Aureomycin soluble powder, Chlortet-Soluble-O, Chloronex® soluble			
d.	Chlortetracycline/sulphamethazine	Chloronex® Sulmet® soluble powder, Aureo Sulfa soluble powder			
e.	Florfenicol	Nuflor® concentrate solution, Florvio™ 2.3% concentration solution			
f.	Gentamicin	Garacin® oral solution, Gentocin® oral solution, Gentoral®, GentaMed™ soluble powder			
g.	Lincomycin	LinxMed-SP®, Linco soluble, Lincosol soluble powder, Lincomix® soluble powder			
h.	Lincomycin/spectinomycin	L-S 50 water soluble® powder, SpecLinx-50®			
i.	Neomycin	Neosol, Neomix® soluble powder, Biosol® Liquid, Neo-Sol 50®, Neo 200 oral solution, Neomycin oral solution			
j.	Oxytetracycline	Terramycin® soluble powder, Oxytet® soluble, Tetroxy®			
k.	Penicillin G	PenAqua Sol G®, Solu-Pen			
l.	Spectinomycin	Spectam®, Spectogard Scour-Chek™, Spectinomycin oral liquid			
m.	Sulfachlorpyridazine	Vetisulid®, Prinzone oral suspension, Pyradan oral suspension			
n.	Sulfadimethoxine	Albon® oral suspension, Agribon soluble powder, Sulfasol®, Sulforal®, Di-Methox soluble powder			
o.	Sulfamethazine	Sulmet®, Purina® Sulfa, SMZ-Med™ 454 soluble powder			
p.	Sulfaquinoxaline	S.Q. 20% solution, Sul-Q-Nox, Sulfa-nox liquid, Sulquin®			
q.	Tetracycline	Tet-Sol® 324, Duramycin-10, Polyotic®, Tetra-Bac 324 soluble powder			
r.	Tiamulin	Denagard® liquid concentrate, TiaGard™, Triamulux™			
s.	Tilmicosin	Pulmotil® AC			
t.	Tylosin	Tylan® Soluble, Tylovet® soluble			
u.	Tylvalosin	Avlosin®			
v.	Other medications (specify: _____)				

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6. What is the role of the person who answered question 5?
[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Company veterinarian
- ₄ Private or other veterinarian
- ₅ Employee of feed mill supplying feed
- ₆ Company nutritionist or other nutritionist
- ₇ Other (specify _____)

7. Between July 1 and December 31, 2016, were any medications given by **feed** for any reason to **grower/finisher-age** pigs? ₁ Yes ₃ No

[If question 7 = No, SKIP to section D.]

Reason codes for question 8	
1 = Prevention, control, or treatment of bacterial pneumonia (respiratory disease)	4 = Prevention, control, or treatment of cervical lymphadenitis (jowl abscesses)
2 = Prevention, control, or treatment of bacterial enteritis, swine dysentery, ileitis, or other enteric (intestinal or GI) diseases (diarrheal diseases)	5 = Increased rate of gain and improved feed efficiency (growth promotion)
3 = Prevention, control, or treatment of atrophic rhinitis	6 = Other disease prevention, control, or treatment (specify disease: _____)

8. *[Show medication list to respondent.]* For any medications given by feed for any reason between July 1 and December 31, 2016, to grower/finisher pigs, enter the reason(s) given *[enter code(s) from list above]*, the percentage of grower/finisher age pigs that received the medication, and the average number of days medication was given in feed. If you pulse-dosed an antibiotic (i.e., used the same antibiotic on the same pen of hogs multiple times during the feeding period), estimate the average number of days in total that the antibiotic was used.

	Active ingredient	Example trade name	Reason code <i>[Enter all that apply.]</i>	Percent of grower/finisher pigs from section C, question 1 that received this product during 2016	Average age of pigs (in days) when product was first added to feed	Total days in feed per group
a.	Avilamycin	Kavault®				
b.	Bacitracin methylene disalicylate	BMD®				
c.	Bacitracin methylene disalicylate/ chlortetracycline	BMD®/ Aureomycin®				

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d.	Bacitracin zinc	Albac®, Baciferm®,				
e.	Bambermycin	Flavomycin®				
f.	Carbadox	Mecadox				
g.	Carbadox/ oxytetracycline	Mecadox®/ Terramycin®				
h.	Chlortetracycline	Aureomycin®, ChlorMax™, Pfichlor™, CLTC, Pennchlor™, Chloratet™				
i.	Chlortetracycline/ sulfamethazine	Aureomix® S				
j.	Chlortetracycline/ tiamulin	Denagard® Plus CTC®, Pennchlor™/ Denagard®				
k.	Chlortetracycline/ sulfathiazole/ penicillin	CSP™ 250, CSP™ 500				
l.	Chlortetracycline/ sulfamethazine/penicillin	ChlorMax™-SP, Pennchlor SP				
m.	Florfenicol	Nuflo®				
n.	Lincomycin	Lincomix®				
o.	Narasin	Skycis®				
p.	Neomycin/terramycin	Neo-Oxy 100/100®, Neo- Terramycin				
q.	Oxytetracycline	Terramycin®, OXTC®, TM- 50®, TM-100®, Pennox™				
r.	Tiamulin	Denagard®				
s.	Tilmicosin	Pulmotil® 90, Tilmovet® 90				
t.	Tylosin	Tylan®, Tylovet®				
u.	Tylosin/sulfamethazine	Tylan® Sulfa-G				
	Tylvalosin	Avlosin® 17%				
v.	Virginiamycin	Stafac®				

9. What is the role of the person who answered question 8?

[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Company veterinarian
- ₄ Private or other veterinarian
- ₅ Employee of feed mill supplying feed
- ₆ Company nutritionist or other nutritionist
- ₇ Other (specify _____)

Section D—Stewardship

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It is preferable for the producer or site manager to answer the questions in this section. The company veterinarian or site veterinarian should not be needed for section. Unless noted otherwise, all questions in this section refer to the period from July 1 through December 31, 2016.

1. Between July 1 and December 31, 2016, were any nursery or grower/finisher pigs administered antibiotics in **water**? ₁ Yes ₃ No

[If question 1 = No, SKIP to question 5.]

2. Who decided **when** antibiotics were to be used in **water** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Local veterinary practitioner
- ₄ Consulting or second opinion veterinarian
- ₅ Company veterinarian
- ₆ Company nutritionist or other nutritionist
- ₇ Service manager who oversees more than one operation
- ₈ Other (specify: _____)

3. Who decided **which** specific antibiotics were to be used in **water** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)

[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Local veterinary practitioner
- ₄ Consulting or second opinion veterinarian
- ₅ Company veterinarian
- ₆ Company nutritionist or other nutritionist
- ₇ Service manager who oversees more than one operation
- ₈ Other (specify: _____)

4. Between July 1 and December 31, 2016, how frequently was the following information recorded (via handwritten records or records entered into a computer) for antibiotics used in **water**?
[Place one X per row in the appropriate column below.]

	Never	Sometimes	Always
a. Date antibiotic use began			
b. Date antibiotic use ended			
c. Antibiotic used			

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d. Treatment withdrawal period			
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5. Between July 1 and December 31, 2016, were any nursery or grower/finisher pigs administered antibiotics in **feed**? ₁ Yes ₃ No

[If question 5 = No, SKIP to question 10.]

6. Who decided **when** antibiotics were to be used in **feed** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Local veterinary practitioner
- ₄ Consulting or second opinion veterinarian
- ₅ Company veterinarian
- ₆ Company nutritionist or other nutritionist
- ₇ Service manager who oversees more than one operation
- ₈ Other (specify: _____)

7. Who decided **which** specific antibiotics were to be used in **feed** on this site? (If a veterinarian provided a protocol to be followed for this operation, select one of the veterinarian options below.)
[Check all that apply.]

- ₁ Owner of operation
- ₂ Farm manager on site, but not the owner
- ₃ Local veterinary practitioner
- ₄ Consulting or second opinion veterinarian
- ₅ Company veterinarian
- ₆ Company nutritionist or other nutritionist
- ₇ Service manager who oversees more than one operation
- ₈ Other (specify: _____)

8. Between July 1 and December 31, 2016, how frequently was the following information recorded (via handwritten records or records entered into a computer) for antibiotics used in **feed**? These records can be kept for an individual pen or for an entire barn. If you raise pigs for a company, and you do not keep records on antibiotics in feed but know the company keeps these records at the feed mill or elsewhere, mark the rows according to the company records below.
[Place one X per row in the appropriate column below.]

	Never	Sometimes	Always
a. Date antibiotic use began			
b. Date antibiotic use ended			

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c. Antibiotic used			
d. Treatment withdrawal period			

9. Did you obtain medicated feed to be fed to pigs on this site by any of the following methods?
- a. Company supplied and delivered feed? ₁ Yes ₃ No ₄ DK
 - b. From an off-site privately owned or cooperatively owned feed mill that delivered feed with antibiotics mixed in? ₁ Yes ₃ No ₄ DK
 - c. Type A medicated articles were delivered or brought to this operation to be mixed into feed on-site? ₁ Yes ₃ No ₄ DK
 - d. Type B or C medicated feeds were delivered or brought to this operation to be fed or mixed in a ration on-site? ₁ Yes ₃ No ₄ DK
10. Between July 1 and December 31, 2016, were any nursery or grower/finisher pigs treated with **injectable** antibiotics? ₁ Yes ₃ No

[If question 10 = No, SKIP to question 12.]

11. Between July 1 and December 31, 2016, how frequently was the following information recorded (via handwritten records or records entered into a computer) when **individual sick** animals were treated with **injectable** antibiotics? These records can be kept at the individual pig level if pigs have ear tags or other identification. These records can also be kept at the pen (e.g., pen cards) or barn level when individual pigs within the pen or barn receive treatment.
[Place one X per row in the appropriate column below.]

	Never	Sometimes	Always
a. Date treated			
b. Antibiotic given			
c. Treatment withdrawal period			

12. Were any individuals who work on this site Pork Quality Assurance Plus (PQA Plus) certified? ₁ Yes ₃ No
13. Has this site ever (not just in the last 6 months of 2016) had a PQA Plus site assessment? ₁ Yes ₃ No

[If question 13 = No, SKIP to question 15.]

14. When was the last PQA Plus site assessment conducted? Month _____ Year _____
15. Has this site ever (not just in the last 6 months of 2016) been audited under the Common Swine Industry Audit? ₁ Yes ₃ No

[If question 15 = No, SKIP to question 17.]

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16. When was the last PQA Plus site assessment conducted? Month_____ Year_____

17. How many times was this site visited for any purpose by the following types of veterinarians:

- a. Local veterinary practitioner? _____ #
- b. Consulting or second-opinion veterinarian? _____ #
- c. On-staff veterinarian or company vet? _____ #
- d. State or Federal veterinarian? _____ #
- e. Other type? (specify: _____) _____ #

18. Did you have a veterinarian-client patient relationship (VCPR) with a veterinarian for pigs on this operation? 1 Yes 3 No 4 DK

[If question 18 = No or DK, SKIP to question 20.]

19. 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.

20. For your operations, how important are the following practices in preventing disease and reducing the need to use antibiotics in pigs?

[Check one only.]

	Very important	Somewhat important	Not important
a. Implementing a site biosecurity plan for employees and visitors.....	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
b. Implementing a vaccination plan for disease prevention	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
c. Regular visits by herd health veterinarian	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
d. Weaning pigs at older ages (e.g., 21 days or older).....	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
e. Facility management adjustments (e.g., adding ventilation systems or air filtering systems, etc.)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
f. All-in/all-out management of pigs at the room, barn, or site level.....	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
g. Using antibiotic alternatives (e.g., probiotics, prebiotics, etc.)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
h. Adjusting diets to meet pig's nutritional needs at a particular age.....	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
i. Other (specify: _____)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

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21. What steps do you take to comply with withdrawal times for any antibiotics administered to pigs on this site?

[Check all that apply.]

- 1 Written treatment records consulted before marketing treated pigs.
(This can include pen cards with records of antibiotic treatment.)
- 2 Dates signaling the end of the withdrawal period are computer generated
- 3 Identification (e.g., by ear tags, chalk, or paint) of pigs individually treated (e.g., by injection)
- 4 Individual urine samples were tested prior to marketing
- 5 Individual serum samples were tested prior to marketing
- 6 Do not administer antibiotics for a predetermined period prior to marketing
- 7 No special steps are taken to comply with withdrawal times
- 8 Other (specify: _____)

22. What is the role of the person who answered most or all of the questions in section D on stewardship?

[Check all that apply.]

- 1 Owner of operation
- 2 Farm manager on site, but not the owner
- 3 Company veterinarian
- 4 Private or other veterinarian
- 5 Other (specify: _____)

Section E—Office Use Only

State FIPS: _____	Operation #: _____	Site #: _____	Interviewer: _____	Date: ____ / ____ / ____
2 digits	4 digits	2 digits	initials	mm/dd/yy

1. Total time for interview to complete the questionnaire VITIME _____ min

2. Total travel time round-trip. If more than one data collector present, enter the combined travel time..... VTTIME _____ min

3. Data collector(s) (Enter the number for each category.)

_____ Federal VMO _____ Federal AHT VFED/VAHT
_____ State personnel _____ Other (specify in margin) VST/VOTH

4. Enter response code 99 if questionnaire is completed or enter one code (00–07) that best describes the reason why the owner is not participatingVRCO _____ code

- 99 = Survey completed
- 00 = Producer not contacted by VMO
- 01 = Poor time of year to contact or no time available to participate
- 02 = Doesn't want anyone on operation
- 03 = Bad experience with government veterinarian(s)
- 04 = Doesn't want to do another survey or divulge information
- 05 = Told NASS they didn't want to be contacted by VS

NAHMS ID: _____

06 = Ineligible (no longer in operation)
07 = Other (explain in the comments section below)

5. Which of the following best describes interviewee's position with this site?.....VPOS _____ code

- 1 = owner
- 2 = manager
- 3 = family member (other than owner or manager)
- 4 = other hired employee
- 5 = other (specify: _____) VPOSoth

6. Producer data qualityVPDQ 1 Good/excellent 2 OK 3 Poor

7. Comments regarding this questionnaire or operation:

VMO or AHT signature: _____

TO BE COMPLETED BY COORDINATOR:

8. Field data quality.....VFDQ 1 Good/excellent 2 OK 3 Poor