



United States Department of Agriculture

GENERAL SWINE FARM QUESTIONNAIRE July 2012



Animal and Plant Health Inspection Service
2150 Centre Ave., Bldg. B
Fort Collins, CO 80526-8117

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Multiple Site Identification					
State	Stratum	ID	Tract	Site Number	Line Number
__ __	_____	_____	__	_____	<u>000</u>

Office Use Only
0001

BEGINNING TIME [MILITARY].....

0002

INTRODUCTION

[Rephrase in your own words.]

We would like to ask you some questions about the hogs and pigs on the land you operate. To understand important issues in the hog industry, we need to obtain information about the health status of your hogs and swine health problems your herd may have had, as well as about productivity and management.

Under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept **confidential** and used only for statistical purposes. Response is **voluntary**. However, your report is needed to make regional and national estimates as accurate as possible.

You may find it easier to answer some of the questions if you have your records available.

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 0579-0315. The time required to complete this information collection is estimated to average 60 minutes 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.

SECTION 1 – SAMPLE UNIT DEFINITION

1. On June 1, 2012, did this operation own any hogs or pigs, regardless of location? ⁰¹⁰⁰ ₁ YES ₃ NO

[If Item 1 = NO, SKIP to Section 9.]

For the purposes of this study, a “site” consists of a physically distinct area with pork production facilities and ancillary structures and typically specializes in a production phase.

2. Do you raise hogs at more than one production site? ⁰¹⁰¹ ₁ YES ₃ NO

[If Item 2 = NO, SKIP to Section 2.]

3. On how many separate production sites were your hogs raised on June 1, 2012?
(**Include** contractee locations where hogs are raised for you as a contractor.)

Sites	
0102	
0103	

4. Of these (item 3) sites, how many were located within the state of [STATE]?

5. Of these (item 4) sites, how many had:

Sites	
0104	
0105	

a. **Any** sows or gilts for breeding?

b. **Only** other hogs and pigs but **no** sows or gilts for breeding?

[Items 5a + 5b should total to the number of sites in Item 4.]

Go to the Site Selection Form and select the sites to complete a questionnaire. Complete a questionnaire for each selected site.

SECTION 2 – SWINE INVENTORY [Site and/or Operation]

[If only one production site, complete column for operation inventory and leave column for site inventory blank. If more than one production site, complete both the operation and site inventory columns.]

1. Of the total hogs and pigs on hand on June 1, 2012, including those raised by someone else for you on contract, how many were:

	Site	Operation
a. Sows and bred gilts for breeding?	0200	0209
b. Unmated replacement gilts in the breeding herd?	+ 0201	+ 0210
c. Unmated replacement gilts for breeding not yet in the breeding herd? . . .	+ 0202	+ 0211
d. Suckling pigs?	+ 0203	+ 0212
e. Boars and young males for breeding, including teaser boars?	+ 0204	+ 0213
f. Cull sows, gilts, and boars?	+ 0205	+ 0214
g. Weaned market hogs under 60 pounds?	+ 0206	+ 0215
h. Market hogs 60 pounds and over, excluding cull sows, gilts, and boars? . .	+ 0207	+ 0216
i. Then the total number of hogs and pigs on this site/operation on June 1, 2012 was:	= 0208	= 0217

SECTION 2 – SWINE INVENTORY [Site and/or Operation]

The remaining questions on this survey ask only about information on this site.

Code

0218

2. Which of the following describes your day-to-day responsibilities on this swine site?
- 1 - Contractor that owns the hogs or pigs
 - 2 - Contractee that raises or manages the hogs or pigs
 - 3 - Independent producer who markets on their own
 - 4 - Independent producer who markets through a cooperative
 - 5 - Other (Specify: ⁰²¹⁹ _____)

SECTION 3 – BREEDING AND PREWEANING ANIMAL MANAGEMENT

1. Between December 1, 2011 and May 31, 2012 on this site:

- a. Did any sows or gilts farrow? ⁰³⁰⁰ ₁ YES ₃ NO
- b. Were any sows or gilts bred? ⁰³⁰¹ ₁ YES ₃ NO

[If Items 1a and 1b BOTH = NO, SKIP to Section 4.]

For the purposes of this study, all-in/all-out management means that every single animal is removed from a pen, room, building, or site, and the swine areas are then cleaned and disinfected before any new animals arrive. If a facility is never completely empty of pigs, the management approach is referred to as continual flow.

2. Which **management approach** best describes how the majority of animals in the (column heading) phase on this site are managed?code
- 1 - Continual flow
 - 2 - All swine removed, but swine pens or areas not cleaned and disinfected
 - 3 - All-in/all-out by room, with room cleaned and disinfected
 - 4 - All-in/all-out by building, with building cleaned and disinfected
 - 5 - All-in/all-out by site, with site cleaned and disinfected
 - 6 - Not applicable

Gestation	Farrowing
0302	0303

3. Which type of **facility** is used for the most animals in the (column heading) phase on this site?code
- 1 - Total confinement with mechanical ventilation
 - 2 - Open building with natural ventilation and no outside access for hogs and pigs
 - 3 - Open building with outside access for hogs and pigs
 - 4 - Lot with hut or no building
 - 5 - Pasture with hut or no building

Gestation	Farrowing
0304	0305

The next six items refer to the specific facility reported in the previous question for each applicable phase.

4. Which type of **waste management** is most used in that (column heading) facility?code
- 1 - None
 - 2 - Pit-holding
 - 3 - Mechanical scraper or tractor
 - 4 - Hand-cleaned
 - 5 - Flush-under slats
 - 6 - Flush-open gutter
 - 7 - Other (Specify: Gestation ⁰⁹⁰⁶ _____
Farrowing ⁰⁹⁰⁷ _____)

Gestation	Farrowing
0306	0307

SECTION 3 – BREEDING AND PREWEANING ANIMAL MANAGEMENT

	Gestation	Farrowing
5. Which type of flooring is most used in that (column heading) facility?code	0308	0309
1 - Solid surface		
2 - Partial slats		
3 - Completely slatted		
4 - Mesh		
5 - Dirt or Pasture		
6 - Other (Specify: Gestation ⁰⁹⁰⁸ _____)		
Farrowing ⁰⁹⁰⁹ _____)		

[If Item 5 = 2 or 3, CONTINUE for that phase; otherwise SKIP to Item 7.]

	Gestation	Farrowing
6. Which type of material for slats is primarily used in that (column heading) facility?code	0310	0311
1 - Concrete		
2 - Metal		
3 - Plastic		
4 - Wood		
5 - Other (Specify: Gestation ⁰⁹¹⁰ _____)		
Farrowing ⁰⁹¹¹ _____)		

	Gestation	Farrowing
7. Which type of housing is used for the majority of sows and gilts in that (column heading) facility?code	0312	0313
1 - Individual stalls or crates		
2 - Group housing such as pens		
3 - Other (Specify: Gestation ⁰⁹¹² _____)		
Farrowing ⁰⁹¹³ _____)		

	Gestation	Farrowing
8. What is the average number of breeding females in the (item 7) housing in that (column heading) facility?head	0314	0315

	Gestation	Farrowing
9. In square feet , what is the typical size of the (item 7) housing for that (column heading) facility?square feet	0316	0317

		Head
10. Between December 1, 2011 and May 31, 2012, how many replacement gilts were introduced into the breeding herd on this site?		0318

[If Item 10 = ZERO, SKIP to Item 14.]

11. Of the (item 10) replacement gilts on this site, what percent were:		Percent
a. Terminal cross females from a commercial herd?		0319
b. From a parent herd?	+	0320
c. From a grandparent herd?	+	0321
d. From a great-grandparent herd?	+	0322
e. From another source? (Specify: ⁰⁹¹⁴ _____)	+	0323
Total [Should equal 100%]	=	100%

SECTION 3 – BREEDING AND PREWEANING ANIMAL MANAGEMENT

12. Between December 1, 2011 and May 31, 2012, how many **groups** of replacement gilts were introduced into the sow herd as breeding animals? 0324

13. In number of weeks, what was the **average age** of the (item 10) replacement gilts when they were:

a. Designated or selected to be part of the breeding herd? 0325

b. Introduced into the breeding herd and commingled with sows? 0326

14. Between December 1, 2011 and May 31, 2012, did any breeding females arrive on this site? 0327 ₁ YES ₃ NO

[If Item 14 = NO, SKIP to Item 17.]

15. Were the newly arriving breeding females always, sometimes, or never put through an isolation or quarantine process when being introduced to the site? 0328

₁ Always ₂ Sometimes ₃ Never } **[If Always or Sometimes]** How many days did it last? 0329

16. Were all, some, or none of the newly arriving breeding females tested for disease before being introduced to the breeding herd? 0330 ₁ All ₂ Some ₃ None

17. Between December 1, 2011 and May 31, 2012, did any breeding males arrive on this site? 0331 ₁ YES ₃ NO

[If Item 17 = NO, SKIP to Item 20.]

18. Were the newly arriving breeding males always, sometimes, or never put through an isolation or quarantine process when being introduced to the site? 0332

₁ Always ₂ Sometimes ₃ Never } **[If Always or Sometimes]** How many days did it last? 0333

19. Were all, some, or none of the newly arriving breeding males tested for disease before being introduced to the breeding herd? 0334 ₁ All ₂ Some ₃ None

20. Were any of the following acclimatization procedures used for newly arriving breeding stock:

a. Feedback of feces from other swine? 0335 ₁ YES ₃ NO

b. Feedback of mummies, placentas, or stillborn pigs? 0336 ₁ YES ₃ NO

c. Exposure to cull gilts and sows? 0337 ₁ YES ₃ NO

d. Exposure to sick pigs? 0338 ₁ YES ₃ NO

e. Vaccinations? 0339 ₁ YES ₃ NO

f. Other? (Specify: ⁰⁹¹⁵ _____) 0340 ₁ YES ₃ NO

SECTION 3 – BREEDING AND PREWEANING ANIMAL MANAGEMENT

For the purposes of this study, a service is one or more matings in the same heat cycle or estrous period.

	Sows	Gilts
21. Between December 1, 2011 and May 31, 2012, how many (column heading) were serviced on this site?	0341	0342

[If Item 21 = ZERO for BOTH sows and gilts, SKIP to Item 27.]

	Sows		Gilts
22. Of the (item 21) (column heading) serviced on this site, what percent received:			
a. Pen-mating only?	0343		0347
b. One mating?	+	0344	+
c. Two matings?	+	0345	+
d. Three or more matings?	+	0346	+
Total [Should equal 100% for each column]	=	100%	=
			100%

[If Item 22a = 100% for both Sows and Gilts, SKIP to Item 27.]

	Sows	Gilts
23. Between December 1, 2011 and May 31, 2012, which of the following was the predominant first mating method of mating for (column heading) on this site?	0351	0352
code		
1 - Artificial insemination		
2 - Individual hand-mating naturally		
3 - Pen-mating with multiple females and one or more boars		
4 - Not applicable		

	Sows	Gilts
24. Between December 1, 2011 and May 31, 2012, which of the following was the predominant second mating method of mating for (column heading) on this site?	0353	0354
code		
1 - Artificial insemination		
2 - Individual hand-mating naturally		
3 - Pen-mating with multiple females and one or more boars		
4 - Not applicable		

	Sows	Gilts
25. Between December 1, 2011 and May 31, 2012, which of the following was the predominant third mating method of mating for (column heading) on this site?	0355	0356
code		
1 - Artificial insemination		
2 - Individual hand-mating naturally		
3 - Pen-mating with multiple females and one or more boars		
4 - Not applicable		

[If Items 23, 24, or 25 do not contain a “1” for Sows or Gilts, SKIP to Item 27.]

26. Between December 1, 2011 and May 31, 2012, was any of the semen used for artificial insemination on this site:			
a. Purchased?	0357	<input type="checkbox"/> 1 YES	<input type="checkbox"/> 3 NO
b. Collected and processed on this site?	0358	<input type="checkbox"/> 1 YES	<input type="checkbox"/> 3 NO
c. Collected and processed off this site, but not purchased?	0359	<input type="checkbox"/> 1 YES	<input type="checkbox"/> 3 NO

SECTION 3 – BREEDING AND PREWEANING ANIMAL MANAGEMENT

27. Between December 1, 2011 and May 31, 2012 on this site:

- a. How many sows and gilts farrowed, counting each time a sow farrowed separately?
- b. How many total pigs were born, including stillborns and mummies?
- c. How many of the (item 27b) pigs were born alive?
- d. Of the (item 27c) pigs born alive, how many have been or will be weaned?

Head	
	0360
	0361
	0362
	0363

28. Then the number of preweaning deaths that occurred on this site between December 1, 2011 and May 31, 2012 was: [Subtract item 27d from item 27c and enter result.]

Head	
	0364

29. Of the (item 28) pigs that died, how many head or what percent of the preweaning deaths were primarily due to:

- a. Scours such as from Chilling, Rotavirus, Coccidiosis, *E. coli*, TGE, or *Clostridia*?
- b. Crushed by sow by being laid on?
- c. Starvation?
- d. Respiratory problems such as PRRS or Rhinitis?
- e. Other known problems? (Specify: ⁰⁹¹⁶ _____)
- f. Unknown problems?

Head	OR	Percent
0365		0372
+	+	0373
0366		0374
+	+	0375
0367		0376
+	+	0377
0368		
+	+	
0369		
+	+	
0370		
+	+	
0371		100%
=	=	

Total [Should equal item 28 or **100%**] =

30. Between December 1, 2011 and May 31, 2012 on this site, what was the **average weaning age** in number of days?

Days	
	0378

31. Are pigs on this site moved to a separate site at weaning?

0379 ₁ YES ₃ NO

32. For the last year, what was the average number of litters per sow on this site?

Litters	
	0380 . ____

For the purposes of this study, parity is the total number of farrowings.

33. What is the average parity of breeding-age females (gilts and sows) on this site?

Average Parity	
	0381 . ____

SECTION 3 – BREEDING AND PREWEANING ANIMAL MANAGEMENT

34. Between December 1, 2011 and May 31, 2012 at this site, how many breeding-age females:

Head

- a. Died or were euthanized?
- b. Were culled?

0382
0383

[If Item 34b = ZERO, SKIP to Item 37.]

35. Of the (item 34b) breeding-age females culled, how many head or what percent were culled primarily due to:

- a. Old age?
- b. Lameness?
- c. Small litter size, high preweaning mortality, or low birth weight?
- d. Reproductive failure such as failure to rebreed or farrow?
- e. Injury?
- f. Other reasons? (Specify: ⁰⁹¹⁷ _____)

Head	OR	Percent
0384		0391
0385	+	0392
0386	+	0393
0387	+	0394
0388	+	0395
0389	+	0396
0390	=	100%

Total [Should equal item 34b or 100%]

Average Parity

36. For the (item 34b) breeding-age females culled, what was the average parity?

0397	· ____
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37. Between December 1, 2011 and May 31, 2012 on this site, were sows, boars, or piglets either before or at weaning, regularly given:

	Sows	Boars	Piglets
a. Dewormer?	0398 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW	0900 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW	0902 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW
b. Mange or lice treatment?	0399 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW	0901 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW	0903 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW
c. Oral Vitamin D?			0904 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW
d. Iron either orally or by injection?			0905 <input type="checkbox"/> 1 YES <input type="checkbox"/> 3 NO <input type="checkbox"/> 4 DON'T KNOW

SECTION 4 – NURSERY PIG MANAGEMENT

1. Between December 1, 2011 and May 31, 2012, did this site raise weaned pigs ("market pigs")? 0400 ₁ YES ₃ NO

[If Item 1 = NO, SKIP to Section 7.]

2. Between December 1, 2011 and May 31, 2012, did this site place **all** weaned pigs in a wean-to-finish unit? 0401 ₁ YES ₃ NO

[If Item 2 = YES, SKIP to Section 6.]

3. Between December 1, 2011 and May 31, 2012, did this site raise pigs in a **nursery** phase?.. 0402 ₁ YES ₃ NO

[If Item 3 = NO, SKIP to Section 5.]

For the purposes of this study, all-in/all-out management means that every single animal is removed from a pen, room, building, or site, and the swine areas are then cleaned and disinfected before any new animals arrive. If a facility is never completely empty of pigs, the management approach is referred to as continual flow.

4. Which **management approach** best describes how the majority of animals in the nursery phase on this site are managed? Code

0403

 - 1 - Continual flow
 - 2 - All swine removed, but swine pens or areas not cleaned and disinfected
 - 3 - All-in/all-out by room, with room cleaned and disinfected
 - 4 - All-in/all-out by building, with building cleaned and disinfected
 - 5 - All-in/all-out by site, with site cleaned and disinfected
 - 6 - Not applicable

5. How many distinct **age groups** typically exist at one time in the nursery phase? Groups

0404

6. Which type of **facility** is used for the most animals in the nursery phase on this site? Code

0405

 - 1 - Total confinement with mechanical ventilation
 - 2 - Open building with natural ventilation and no outside access for hogs and pigs
 - 3 - Open building with outside access for hogs and pigs
 - 4 - Lot with hut or no building
 - 5 - Pasture with hut or no building

The next five items refer to the specific facility reported in the previous question.

7. Which type of **waste management** is most used in that nursery facility? Code

0406

 - 1 - None
 - 2 - Pit-holding
 - 3 - Mechanical scraper or tractor
 - 4 - Hand-cleaned
 - 5 - Flush-under slats
 - 6 - Flush-open gutter
 - 7 - Other (Specify: ⁰⁴⁴⁵ _____)

8. Which type of **flooring** is most used in that nursery facility? Code

0407

 - 1 - Solid surface
 - 2 - Partial slats
 - 3 - Completely slatted
 - 4 - Mesh
 - 5 - Dirt or Pasture
 - 6 - Other (Specify: ⁰⁴⁴⁶ _____)

[If Item 8 = 2 or 3, CONTINUE; otherwise SKIP to Item 10.]

SECTION 4 – NURSERY PIG MANAGEMENT

17. Between December 1, 2011 and May 31, 2012, were nursery pigs on this site regularly given:

- a. Dewormer? 0428 ₁ YES ₃ NO ₄ DK
- b. Oral Vitamin D? 0429 ₁ YES ₃ NO ₄ DK
- c. Mange or lice treatment? 0430 ₁ YES ₃ NO ₄ DK

Head

0431

18. Of the (item 12) pigs that entered the nursery phase on this site, how many **died**?

[If Item 18 = ZERO, SKIP to Section 5.]

19. Of the (item 18) pigs that died, how many head or what percent of the deaths were primarily due to:

	Head	OR	Percent
a. Scours such as from Rotavirus, Coccidiosis, <i>E. coli</i> , TGE, <i>Salmonella</i> , or <i>Clostridia</i> ?	0432		0439
b. Starvation or refusal to eat?	+ 0433	+	0440
c. Respiratory problems such as PRRS, PCVAD, <i>Mycoplasma</i> or Rhinitis?	+ 0434	+	0441
d. CNS signs or meningitis such as from <i>Hemophilus</i> , <i>Strep. suis</i> , or <i>E. coli</i> (edema disease)?	+ 0435	+	0442
e. Other known problems? (Specify: ⁰⁴⁴⁹ _____)	+ 0436	+	0443
f. Unknown problems?	+ 0437	+	0444
Total [Should equal item 18 or 100%]	= 0438	=	100%

SECTION 5 – GROWER/FINISHER MANAGEMENT

1. Between December 1, 2011 and May 31, 2012, did this site raise pigs in a **grower/finisher** phase? 0500 ₁ YES ₃ NO

[If Item 1 = NO, SKIP to Section 6.]

For the purposes of this study, all-in/all-out management means that every single animal is removed from a pen, room, building, or site, and the swine areas are then cleaned and disinfected before any new animals arrive. If a facility is never completely empty of pigs, the management approach is referred to as continual flow.

Code

0501

2. Which **management approach** best describes how the majority of animals in the grower/finisher phase on this site are managed?

- 1 - Continual flow
- 2 - All swine removed, but swine pens or areas not cleaned and disinfected
- 3 - All-in/all-out by room, with room cleaned and disinfected
- 4 - All-in/all-out by building, with building cleaned and disinfected
- 5 - All-in/all-out by site, with site cleaned and disinfected
- 6 - Not applicable

Groups

0502

3. How many distinct **age groups** typically exist at one time in the grower/finisher phase?

SECTION 5 – GROWER/FINISHER MANAGEMENT

Code

4. Which type of **facility** is used for the most animals in the grower/finisher phase on this site? 0503

1 - Total confinement with mechanical ventilation
 2 - Open building with natural ventilation and no outside access for hogs and pigs
 3 - Open building with outside access for hogs and pigs
 4 - Lot with hut or no building
 5 - Pasture with hut or no building

The next five items refer to the specific facility reported in the previous question.

Code

5. Which type of **waste management** is most used in that grower/finisher facility? 0504

1 - None
 2 - Pit-holding
 3 - Mechanical scraper or tractor
 4 - Hand-cleaned
 5 - Flush-under slats
 6 - Flush-open gutter
 7 - Other (Specify: ⁰⁵⁴⁴ _____)

Code

6. Which type of **flooring** is most used in that grower/finisher facility? 0505

1 - Solid surface
 2 - Partial slats
 3 - Completely slatted
 4 - Mesh
 5 - Dirt or Pasture
 6 - Other (Specify: ⁰⁵⁴⁵ _____)

[If Item 6 = 2 or 3, CONTINUE; otherwise SKIP to Item 8.]

Code

7. Which type of **material for slats** is primarily used in that grower/finisher facility? 0506

1 - Concrete
 2 - Metal
 3 - Plastic
 4 - Wood
 5 - Other (Specify: ⁰⁵⁴⁶ _____)

Head

8. What is the **average number** of grower/finisher pigs per pen or other housing unit when they:

a. Enter this phase? 0507

b. Leave this phase? 0508

Square Feet

9. In **square feet**, what is the average size of pens or other housing units that contain grower/finisher pigs? 0509

Head

10. Between December 1, 2011 and May 31, 2012, how many pigs entered the grower/finisher phase on this site? (**Include** those that came from the nursery phase, purchases, and movements from other facilities.) 0510

11. Of the (item 10) pigs, how many head or what percent originated from:

	Head	OR	Percent
a. This site such as on-site nursery units?	0511		0517
b. Another site belonging to this operation such as nursery units belonging to this operation?	0512	+	0518
c. Another site not belonging to this operation such as farm-to-farm, contract, or non-contract?	0513	+	0519
d. An auction, sale barn, or livestock market?	0514	+	0520
e. Another source? (Specify: ⁰⁵⁴⁷ _____)	0515	+	0521
Total [Should equal item 10 or 100%]	0516	=	100%

SECTION 5 – GROWER/FINISHER MANAGEMENT

[If Item 11a = Item 10 or 100%, SKIP to Item 14.]

12. Between December 1, 2011 and May 31, 2012, how many different **off-site** sources were used to fill the grower/finisher units on this site?

Sources	
0522	

13. Were grower/finisher pigs from different sources, **on-site or off-site**, commingled (shared airspace) in the same facility?

0523

₁ YES ₃ NO ₄ DK

14. In number of days, what was the **average age** of the (item 10) pigs when they:

- a. Entered the grower/finisher units?
- b. Left the grower/finisher units?

Days	
0524	
0525	

15. Between December 1, 2011 and May 31, 2012, were grower/finisher pigs on this site regularly given:

- a. Dewormer?
- b. Mange or lice treatment?

0526

₁ YES ₃ NO ₄ DK

0527

₁ YES ₃ NO ₄ DK

16. Of the (item 10) pigs that entered the grower/finisher phase on this site, how many **died**?

Head	
0528	

[If Item 16 = ZERO, SKIP to Section 6.]

17. Of the (item 16) pigs that died, how many head or what percent of the deaths were primarily due to:

- a. Scours such as from *Lawsonia*, *E. coli*, TGE, *Salmonella*, or Swine dysentery?
- b. Lameness?
- c. Injury or trauma such as from tail biting?
- d. Respiratory problems such as PRRS, PCVAD, *Mycoplasma*, *Actinobacillus* or Flu?
- e. Stress?
- f. Other known problems? (Specify: ⁰⁵⁴⁸ _____) ...
- g. Unknown problems?

	Head	OR	Percent
	0529		0537
	0530	+	0538
	0531	+	0539
	0532	+	0540
	0533	+	0541
	0534	+	0542
	0535	+	0543
Total [Should equal item 16 or 100%]	= 0536	=	100%

SECTION 6 – WEAN-TO-FINISH MANAGEMENT

1. Between December 1, 2011 and May 31, 2012, did this site raise pigs in a **wean-to-finish** phase? 0600 ₁ YES ₃ NO

[If Item 1 = NO, SKIP to Section 7.]

For the purposes of this study, all-in/all-out management means that every single animal is removed from a pen, room, building, or site, and the swine areas are then cleaned and disinfected before any new animals arrive. If a facility is never completely empty of pigs, the management approach is referred to as continual flow.

2. Which **management approach** best describes how the majority of animals in the wean-to-finish phase on this site are managed? Code
0601

- 1 - Continual flow
- 2 - All swine removed, but swine pens or areas not cleaned and disinfected
- 3 - All-in/all-out by room, with room cleaned and disinfected
- 4 - All-in/all-out by building, with building cleaned and disinfected
- 5 - All-in/all-out by site, with site cleaned and disinfected
- 6 - Not applicable

3. How many distinct **age groups** typically exist at one time in the wean-to-finish phase? Groups
0602

4. Which type of **facility** is used for the most animals in the wean-to-finish phase on this site? Code
0603

- 1 - Total confinement with mechanical ventilation
- 2 - Open building with natural ventilation and no outside access for hogs and pigs
- 3 - Open building with outside access for hogs and pigs
- 4 - Lot with hut or no building
- 5 - Pasture with hut or no building

The next three items refer to the specific facility reported in the previous question.

5. Which type of **waste management** is most used in that wean-to-finish facility? Code
0604

- 1 - None
- 2 - Pit-holding
- 3 - Mechanical scraper or tractor
- 4 - Hand-cleaned
- 5 - Flush-under slats
- 6 - Flush-open gutter
- 7 - Other (Specify: ⁰⁶⁷¹ _____)

6. Which type of **flooring** is most used in that wean-to-finish facility? Code
0605

- 1 - Solid surface
- 2 - Partial slats
- 3 - Completely slatted
- 4 - Mesh
- 5 - Dirt or Pasture
- 6 - Other (Specify: ⁰⁶⁷² _____)

[If Item 6 = 2 or 3, CONTINUE; otherwise SKIP to Item 8.]

7. Which type of **material for slats** is primarily used in that wean-to-finish facility? Code
0606

- 1 - Concrete
- 2 - Metal
- 3 - Plastic
- 4 - Wood
- 5 - Other (Specify: ⁰⁶⁷³ _____)

8. Between December 1, 2011 and May 31, 2012, how many pigs entered the wean-to-finish phase on this site? (**Include** pigs weaned, purchases, and movements from other facilities.) Head
0607

SECTION 6 – WEAN-TO-FINISH MANAGEMENT

9. Of the (item 8) pigs, how many head or what percent originated from:

- a. This site such as **on-site** farrowing units?
- b. Another site **belonging** to this operation such as farrowing units belonging to this operation?
- c. Another site **not belonging** to this operation such as farm-to-farm, contract, or non-contract?
- d. An auction, sale barn, or livestock market?
- e. Another source? (Specify: ⁰⁶⁷⁴ _____)

Head	OR	Percent
0608		0614
+ 0609	+	0615
+ 0610	+	0616
+ 0611	+	0617
+ 0612	+	0618
+ 0613	+	0619
Total [Should equal item 8 or 100%]	=	100%

[If Item 9a = Item 8 or 100%, SKIP to Item 12.]

10. Between December 1, 2011 and May 31, 2012, how many different **off-site** sources were used to fill the wean-to-finish units on this site?

Sources

0619

11. Were wean-to-finish pigs from different sources, **on-site or off-site**, commingled (shared airspace) in the same facility?

0620

₁ YES ₃ NO ₄ DK

12. In number of days, what was the average age of the (item 8) pigs when they:

- a. Entered the wean-to-finish units?
- b. Left the wean-to-finish units, excluding overstocked pigs that moved to a new unit?

Days

0621
0622

13. Between December 1, 2011 and May 31, 2012, were wean-to-finish pigs on this site regularly given:

- a. Dewormer?
- b. Oral Vitamin D as young pigs?
- c. Mange or lice treatment?

0623

₁ YES ₃ NO ₄ DK

0624

₁ YES ₃ NO ₄ DK

0625

₁ YES ₃ NO ₄ DK

For the purposes of this study, in a wean-to-finish building, overstocking means to fill a pen with weaned pigs and then move some of them to another pen to provide more space at a certain size or age. This is called a Split.

14. On this site, how often are buildings or units overstocked when they are first filled with pigs?

0626

₁ Always
₂ Sometimes
₃ Never
₄ Don't Know

[If Item 14 = NEVER or DON'T KNOW, SKIP to Item 21.]

15. What percent are wean-to-finish buildings or units overstocked when they are first filled?

0627

₁ 150% (1.5X)
₂ 200% (2.0X)
₃ 300% (3.0X)
₄ Other: ⁰⁶⁷⁵ _____ %

SECTION 6 – WEAN-TO-FINISH MANAGEMENT

16. In number of days, what is the average age of pigs when excess pigs are removed at the split? **Days**
0628

17. **Before the split**, what is the average number of wean-to-finish pigs per pen or other housing unit? **Head**
0629

18. **Before the split**, in square feet, what is the average size of pens or other housing units that contain wean-to-finish pigs? **Square Feet**
0630

19. Of the (item 8) pigs that entered the wean-to-finish phase on this site, how many died **before the split**? **Head**
0631

[If Item 19 = ZERO, SKIP to Item 21.]

20. Of the (item 19) pigs that died, how many head or what percent of the deaths were primarily due to:

- a. Scours such as from Rotavirus, Coccidiosis, *E. coli*, TGE, *Salmonella*, or *Clostridia*?
- b. Starvation or refusal to eat?
- c. Lameness?
- d. Respiratory problems such as PRRS, PCVAD, *Mycoplasma* or Rhinitis, *Actinobacillus* or Flu?
- e. CNS signs or meningitis such as from *Hemophilus*, *Strep. suis*, or *E. coli* (edema disease)?
- f. Stress?
- g. Other known problems? (Specify: ⁰⁶⁷⁶ _____) ...
- h. Unknown problems?

	Head	OR	Percent
	0632		0641
+	0633	+	0642
+	0634	+	0643
+	0635	+	0644
+	0636	+	0645
+	0637	+	0646
+	0638	+	0647
+	0639	+	0648
Total [Should equal item 19 or 100%]	0640	=	100%

21. **After the split** or **during the whole phase** if **NO split**, what is the average number of wean-to-finish pigs per pen or other housing unit? **Head**
0649

22. **After the split** or **during the whole phase** if **NO split**, in square feet, what is the average size of pens or other housing units that contain wean-to-finish pigs? **Square Feet**
0650

23. Of the (item 8) pigs that entered the wean-to-finish phase on this site, how many died **after the split** or **during the whole phase** if **NO split**? **Head**
0651

[If Item 23 = ZERO, SKIP to Section 7.]

SECTION 6 – WEAN-TO-FINISH MANAGEMENT

24. Of the (item 23) pigs that died, how many head or what percent of the deaths were primarily due to:

- a. Scours such as from *E. coli*, TGE, *Salmonella*, *Clostridia*, or *Lawsonia*? . . .
- b. Starvation or refusal to eat? +
- c. Lameness? +
- d. Injury or trauma such as from tail biting? +
- e. Respiratory problems such as PRRS, PCVAD, *Mycoplasma*, *Actinobacillus* or Flu? +
- f. CNS signs or meningitis such as from *Hemophilus*, *Strep. suis*, or *E. coli* (edema disease)? +
- g. Stress? +
- h. Other known problems? (Specify: ⁰⁶⁷⁷ _____) . . . +
- i. Unknown problems? +

Total [Should equal item 23 or **100%**]

Head	OR	Percent
0652		0662
0653	+	0663
0654	+	0664
0655	+	0665
0656	+	0666
0657	+	0667
0658	+	0668
0659	+	0669
0660	+	0670
0661	=	100%

SECTION 7 – BIOSECURITY

1. For the (column heading) that were reported as having died on this site, what **percent** were disposed of by: (If column heading is not applicable, leave column blank.)

- a. Burial **ON** this site? +
- b. Burning **ON** this site? +
- c. Renderer pickup **ON** this site? +
- d. Renderer pickup **OUTSIDE** of this site? +
- e. Composting **ON** this site? +
- f. Composting **OUTSIDE** of this site? +
- g. Some other means? (Specify: ⁰⁷⁴⁴ _____) . . . +

Total [Should equal **100%**]

Pigs Not Yet Weaned (%)	Weaned Pigs and Older (%)
0700	0707
0701	0708
0702	0709
0703	0710
0704	0711
0705	0712
0706	0713
100%	100%

SECTION 7 – BIOSECURITY

	Business Visitors	Non-Business Visitors
2. Are (column heading) allowed to enter the hog and pig facilities on this site?	0714 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO	0715 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO

[If item 2 = NO for BOTH Business and Non-Business visitors, complete Item 3 only for employees; otherwise complete for all who are allowed to enter the facilities.]

	Employees	Business Visitors	Non-Business Visitors
a. Take a shower first?	0716 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0720 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0724 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A
b. Change to clean boots and coveralls first?	0717 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0721 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0725 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A
c. Use the Danish Entry or "Bench" system?	0718 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0722 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0726 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A
d. Wait 24 hours or more after visiting any other hog site?	0719 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0723 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A	0727 <input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₂ N/A

4. Are trucks and trailers from commercial livestock transporters or animal haulers allowed to enter the hog and pig areas on this site? (Livestock includes cattle, poultry, and sheep, not just swine.) 0728 ₁ YES ₃ NO

[If Item 4 = NO, SKIP to Item 6.]

5. Before livestock trucks and trailers are brought onto this site to pick up hogs or pigs, is it required that:

a. The animal area inside of the truck be cleaned?	0729	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₄ DK
b. The animal area inside of the truck be disinfected?	0730	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₄ DK
c. The outside of the truck be cleaned?	0731	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₄ DK
d. The outside of the truck be disinfected?	0732	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO <input type="checkbox"/> ₄ DK

6. Are the following methods for rodent control used on this site:

a. Cats?	0733	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO
b. Dogs?	0734	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO
c. Traps?	0735	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO
d. Bait or poison?	0736	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO
e. Professional exterminator?	0737	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO
f. Anything else? (Specify: ⁰⁷⁴⁵ _____)	0738	<input type="checkbox"/> ₁ YES <input type="checkbox"/> ₃ NO

SECTION 7 – BIOSECURITY

7. To the nearest **quarter mile**, how many miles is it from this site to the nearest site with any swine? (**Include** separate sites under this operation.)

Miles	
0739	. _ _
8. Other than this site, how many sites with swine are within three miles of this site? (**Include** each individual site regardless of ownership.)

Sites
0740
9. Are there feral pigs in this county? (**Include** pigs on hunting clubs or captive on farms.) ⁰⁷⁴¹ ₁ YES ₃ NO ₄ DK
10. How many times in the last 12 months have feral or wild pigs been seen on this site?

Times
0742

[If Item 10 = ZERO, SKIP to Section 8.]

11. For any of the times that feral or wild pigs were seen on this site, was there any evidence that the feral swine entered or gained access to facilities used to house swine or store feed? . . . ⁰⁷⁴³ ₁ YES ₃ NO

SECTION 8 – OVERALL SWINE FARM MANAGEMENT

1. During the past **three years** on this site, how many times did anyone test:
- | | |
|--------------|--|
| Times | |
| 0800 | |
| 0801 | |
| 0802 | |
- a. Ground water such as for nitrates or pathogens?
- b. Nutrient content of manure such as the nitrogen level?
- c. Air quality such as the ammonia or hydrogen sulfide levels?

For Item 2, each veterinary visitor must be classified into one role.

2. During the past **12 months**, how many times was this site visited for any purpose by a(n):
- | | |
|---------------|--|
| Visits | |
| 0803 | |
| 0804 | |
| 0805 | |
| 0806 | |
| 0807 | |
- 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 of veterinarian? (Specify: ⁰⁸⁰⁸ _____)

SECTION 9 – CONCLUSION

Survey results can be found by accessing www.aphis.usda.gov/animal_health/nahms/

0099

Would you prefer to receive reports as hard copies via the mail? ₁ Yes ₃ No

1. Request signature on **CONSENT FORM** for operations completing this questionnaire.
2. If **CONSENT FORM** is signed, provide comments below to describe the respondent location and any other comments that will be helpful for future contact.

3. ENTER INTERVIEW RESPONSE CODE

- 1 - No hogs on June 1, 2012; not eligible for this survey
- 2 - Out of business
- 3 - Refusal of General Swine Farm Questionnaire
- 4 - Complete: signed VMO consent
- 5 - Complete: refused VMO consent
- 7 - Out of scope for General Swine Farm Questionnaire
- 8 - Office hold
- 9 - Inaccessible

Code

2000

[If Item 3 = 3 or 5, complete Item 4; otherwise SKIP to Ending Time.]

4. ENTER REFUSAL REASON CODE

- 1 - Does not want to commit time to the project
- 2 - Does not want involvement with government veterinarian
- 3 - Does not have necessary records available
- 4 - Has participated in too many surveys
- 5 - Does not want outside people on the swine operation
- 6 - A bad time of year due to planting, harvesting, second job, etc.
- 7 - Currently has or recently had disease problem with herd
- 8 - Believes that surveys and reports hurt the farmer more than help
- 9 - Could not get Owner/Contractor permission
- 10- No reason given, or other miscellaneous reasons

Code

2001

2002

ENDING TIME [MILITARY].

Respondent Name: _____				9911 Phone: () _____				9910 MM DD YY Date: _ _ _ _ _ _					
Response	Respondent	Mode		Enum.	Eval.	Rpt. Unit	Office Use for POID						
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est 8-Known Zero	9901 	1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902 	1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-e-mail 7-Fax 8-CAPI 19-Other	9903 	0098 	0100 	0921 	0789 _ _ _ _ - _ _ _ - _ _ _ _ 				
		Optional Use								0407 		0408 	
		S/E Name _____											