



Animal and
Plant Health
Inspection
Service

Veterinary
Services

Large Swine Operation Screening Questionnaire 2017

National Animal Health
Monitoring System

2150 Centre Ave Bldg B
Fort Collins, CO 80526

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

Introduction

[Rephrase in your own words.]

We would like to ask you some questions about the hogs and pigs on this operation. You may find it easier to answer some of the questions if you have your records available.

Responses given are kept confidential and are retained only for statistical purposes. 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 .5 hours 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

Section A—Operation Inventory

1. On December 1, 2016, how many hogs and pigs were owned by this operation, regardless of location? *[Include those raised by someone else for you on contract.]* _____ #

[If question 1 = Zero, SKIP to section B.]

2. Of the total hogs and pigs owned by this operation (question 1), 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 sows, gilts, and boars? _____ #
 - g. **Total** number of hogs and pigs on this operation December 1 of last year _____ #

Section B—Eligible Sites Part of This Operation

For the purposes of this study, a production site may consist of facilities in proximity to one another and operated as one unit while separate sites might consist of facilities at different physical locations.

3. Do you raise hogs at more than one production site? ₁ Yes ₃ No

[If question 3 = No, SKIP to question 12.]

4. Between July 1 and December 31, 2016, on how many separate production sites were your hogs raised? *[Include contractee locations where hogs are raised for you as a contractor.]* _____ #
5. Of these sites (question 4), how many were located within the State? _____ #
6. Of these sites (question 5) in this State, how many had any weaned pigs? *[Include sites with a nursery unit, grower/finisher unit, or wean-to-finish unit.]* _____ #

[If question 6 = 1 or 2, SKIP to question 12.]

Section C—Site Selection

7. If there are between 3 and 30 sites in this State with weaned pigs (question 6), list the sites in the following table:

Number	Site identifier	Number	Site identifier
1		16	
2		17	
3		18	
4		19	
5		20	
6		21	
7		22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

8. If there are more than 30 sites in this State with weaned pigs, then obtain a list of the (question 6) sites. Each site on the list should be numbered uniquely from 1 to the number of (question 6) sites.

9. Circle the appropriate number of sites to sample. If the number of (question 6) sites in this State are
- a. 3 - 19 then the number of sampled sites will be 2 sites
 - b. 20 - 49 then the number of sampled sites will be 7 sites
 - c. 50 or more then the number of sampled sites will be 15 sites

For steps 10 and 11, you have the choice of one of two methods to select sites randomly. The first requires an internet connection, the second does not. Complete either of 10a and 10b OR 11a and 11b, but not both sets.

***Choosing random numbers using Random.org (requires an internet connection)
[If not using this method, SKIP to question 11a.]***

10a. Visit the www.Random.Org website. See Figure 1 for an illustration of the website and steps i-iii below.

- 10b. In order to generate random numbers, follow steps i-v below.
- i. In the “Max” field enter the (question 6) number of sites in this [State].
 - ii. Press the “Generate” button to produce a single random number.
 - iii. Record the random number that is displayed in the “Random Number Generated” column of the table in (question 12) below.
 - iv. Repeat steps ii and iii until (question 9) sites are chosen.
 - v. If a randomly-generated number is the same as a previously-generated number, discard that number, it will not count towards reaching the number of (question 9) sites. Be sure to replace this discarded number with a valid number using steps ii and iii.

[Once all random numbers are generated, SKIP to question 12.]



What's this fuss about *true* randomness?

Perhaps you have wondered how predictable machines like computers can generate randomness. In reality, most random numbers used in computer programs are *pseudo-random*, which means they are generated in a predictable fashion using a mathematical formula. This is fine for many purposes, but it may not be random in the way you expect if you're used to dice rolls and lottery drawings.

RANDOM.ORG offers *true* random numbers to anyone on the Internet. The randomness comes from atmospheric noise, which for many purposes is better than the pseudo-random number algorithm typically used in computer programs. People use RANDOM.ORG for holding drawings, lotteries, sweepstakes, to drive online games, for scientific applications and for art and music. The service has existed since 1998 and was built by Dr Mads Haahr of the School of Computer Science and Statistics at Trinity College, Dublin in Ireland. Today, RANDOM.ORG is operated by Randomness and Integrity Services Ltd.

As of today, RANDOM.ORG has generated 1.42 trillion random bits for the Internet community.

Figure 1: Illustration of www.Random.Org web site. The portions of the random number generator used in steps i-iii of (question 10b) are circled.

Choosing random numbers using a random number table (use if no internet connection is available)
Note – if you have difficulty with using this table, you can call NAHMS at (866) 907–8190 Monday-Friday, 6am – 6pm for assistance.

- 11a. See Figure 2 for a random number table that will be used to select a random number of sites.
- 11b. To choose random numbers from the table, perform steps i-iv below.
- i. Write the day of your own birthday (e.g., if your birthday is January 10th, you would write “10” here). This will determine the starting column:
 - ii. Next, you will need to use your birthday column, plus enough columns to the right so that the total number of columns are equal to the number of digits in the total number of (question 6) sites. See below for some examples.

Number of sites from (question 6)	Columns to use
2 to 9	Birthday column only
10 to 99	Birthday column plus ONE column to the right of it
100 to 999	Birthday column plus TWO columns to the right of it
1,000 to 9,999	Birthday column plus THREE columns to the right of it

Write down the column numbers of your birthday column, plus the columns to the right of it that are needed (e.g., if your birthday column is 10, and there are 45 sites, write down “10, 11”):

- iii. **DIRECTIONS:** Start in row 1 and your columns from step ii. If the number in this position is valid (i.e., between 1 and the total number of sites from (question 6)), then write it down in the “Random Number Generated” column of the table in (question 12). If that number is not valid, do not write it down in the table in (question 12). Then, proceed to row 2, row 3, row 4, and so on, and write valid random numbers in the “Random Number Generated” column until the appropriate number of sites (question 9) has been reached

EXAMPLE: If we have 45 sites and are looking in columns 10 and 11, we would start in row 1 and write down “25”, then “14” from row 2, then skip “63” and “99” in rows 3 and 4, since 63 and 99 are both above the total number of sites and continue similarly until the number of (question 9) sites are chosen.

NOTE: if you reach row 30 and have not met the number of (question 9) sites, continue in row 1, using the next set of columns to the right of the set just used (e.g., if we reached row 30 using columns 10 and 11 and still needed to select more sites, we would start again in row 1 of columns 12 and 13).

- iv. If a randomly-generated number is the same as a previously-generated number, discard that number, it will not count towards reaching the appropriate number of (question 9) sites. Be sure to replace this discarded number with a valid number using step iii.

12. If (question 3) = No or (question 6) = 1 or 2 sites, write the site names and contact information for those sites and ignore the “Random Number Generated” column. Otherwise, write the random numbers generated and the corresponding site name and contact information in the table below.

	Random Number Generated	Site identifier	Site contact name	Site contact phone
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

13. Which method was used to randomly select sites? *[Check one only]*

- ₁ Random.org
- ₂ Random number table
- ₃ None

Figure 2: Random number table. To use, follow steps outlined in (question 11a) and (question 11b).

	1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
1	0	2	7	5	7	4	1	3	3	2	5	1	1	2	2	4	5	1	4	6	0	9	3	6	1	8	4	4	3	7	0	9	4	9	2			
2	5	5	5	8	1	6	1	4	8	1	4	9	2	1	1	0	5	4	3	0	8	5	2	3	0	8	5	8	3	4	6	9	3	5	9			
3	8	2	0	7	0	8	0	4	1	6	3	6	8	3	6	1	9	7	0	1	3	9	2	7	0	3	2	3	5	5	3	2	4	9	7			
4	9	9	2	1	4	6	6	1	6	9	9	2	1	3	7	3	9	5	2	4	9	1	7	4	3	3	5	6	1	3	5	6	4	4	9			
5	6	3	3	0	7	9	8	4	1	5	4	4	5	7	9	3	5	1	7	7	4	8	6	9	2	8	4	2	6	6	2	2	6	5	9			
6	8	1	8	6	1	7	2	8	0	3	0	4	2	9	0	1	5	9	7	6	9	8	0	2	4	8	7	4	1	5	4	5	3	8	2			
7	0	1	7	1	5	6	2	8	2	0	6	6	4	1	7	5	8	4	0	0	3	2	9	2	1	5	9	2	5	8	7	8	1	8	5			
8	6	2	5	1	8	5	8	4	2	9	7	4	0	8	0	5	3	4	9	7	2	7	4	8	0	6	2	9	1	2	9	7	2	0	4			
9	2	1	2	4	1	7	4	4	7	2	1	5	8	6	9	9	3	0	3	8	7	2	1	6	7	9	9	0	9	9	5	8	2	7	9			
10	4	5	3	3	5	9	7	8	8	9	9	3	4	7	1	2	7	6	2	5	1	7	9	0	7	0	1	2	0	7	4	5	0	1	2			
11	7	9	3	9	4	3	2	4	5	6	9	0	0	5	9	4	2	8	8	5	0	5	5	6	3	3	1	7	4	8	5	8	8	5	6			
12	4	3	5	9	2	4	1	4	1	5	8	5	2	9	5	8	7	1	8	0	0	6	6	2	7	8	6	1	2	1	9	0	9	8	6			
13	0	1	9	0	7	7	7	0	5	3	0	9	5	1	8	3	5	5	0	8	6	1	8	4	7	3	3	2	8	1	4	7	2	5	9			
14	4	0	5	1	4	6	0	8	0	7	2	8	4	0	7	4	7	0	9	3	4	4	8	2	0	1	3	3	7	5	9	3	8	9	0			
15	2	6	9	1	1	2	2	3	7	7	1	7	7	8	9	2	1	9	4	7	7	2	5	2	8	2	5	7	8	1	7	5	7	3	8			
16	0	1	1	9	0	1	8	3	8	9	3	5	3	2	8	5	8	8	0	8	5	7	0	5	0	9	3	0	1	6	6	6	9	3	4			
17	5	0	7	2	2	9	7	7	5	4	7	0	6	8	5	9	7	5	3	3	6	6	8	2	5	7	3	0	0	7	2	7	2	8	5			
18	1	6	1	5	5	4	3	2	7	6	8	1	4	2	0	9	0	0	8	1	5	7	6	4	1	3	4	9	4	1	5	2	2	1	6			
19	5	4	0	4	5	1	2	8	3	6	3	9	9	9	4	5	8	1	5	7	4	5	6	5	1	7	3	1	2	3	2	2	1	0	2			
20	1	7	2	8	7	9	9	4	0	8	6	1	2	9	3	4	5	3	2	5	0	1	8	6	8	8	9	4	2	6	0	5	1	4	4			
21	1	7	5	4	0	1	0	8	8	1	2	1	3	3	4	8	8	8	4	2	1	7	6	6	8	8	5	9	1	1	6	7	1	7	1			
22	2	0	5	5	4	2	7	8	5	6	1	2	4	5	1	3	8	2	3	9	0	7	7	2	7	3	0	7	0	3	2	6	4	2	5			
23	7	1	4	3	2	3	4	5	9	6	8	6	6	9	1	7	4	0	2	3	6	4	4	0	6	1	8	3	1	5	1	0	5	2	6			
24	7	8	4	7	7	2	3	7	3	1	7	8	2	0	6	1	6	0	4	1	8	8	2	7	8	1	8	6	8	8	3	5	5	2	4			
25	0	0	2	6	2	8	4	1	1	7	2	5	3	6	2	0	5	7	2	1	4	5	0	6	0	2	5	0	8	2	1	5	6	8	7			
26	2	9	3	6	9	7	4	0	8	5	4	5	1	3	8	4	1	2	9	2	9	9	9	2	3	4	9	1	9	7	5	6	1	1	7			
27	4	8	4	4	8	2	5	5	2	7	5	5	1	1	3	3	5	1	8	9	4	5	2	9	8	1	5	7	4	0	3	4	6	2	8			
28	1	8	7	0	6	7	8	7	6	1	3	7	8	8	4	7	7	0	1	8	5	3	5	8	0	2	8	2	5	4	8	9	6	5	6			
29	0	5	4	8	5	5	0	1	5	7	8	1	0	6	8	1	8	2	7	8	6	1	5	3	7	4	9	3	4	9	6	8	5	0	4			
30	9	3	9	9	9	7	2	6	3	5	0	2	6	1	6	5	4	8	1	4	9	2	0	8	8	3	5	3	4	3	5	2	1	9	8			

Office Use Only

- 1. Total time for interview [include time to discuss the program and complete the questionnaire] _____ min
- 2. Total travel time [round trip] _____ min
- 3. Enter response code 99 if questionnaire is completed or enter one code of 0 through 6 that best describes the reason why the owner is not participating..... _____ code

- 99 - Survey completed
- 01 – No hogs on December 1, 2016; not eligible for this survey
- 02 – Out of business
- 03 – Refusal of Antibiotic Use in Weaned Pigs Questionnaire
- 04 – Complete; signed VMO consent
- 07 – Out of scope for Antibiotic Use in Weaned Pigs Questionnaire
- 08 – Office Hold
- 09 - Inaccessible

- 4. Producer data quality..... 1 Good to excellent 2 OK 3 Poor

Comments regarding this questionnaire or operation: