

FERAL SWINE SURVEY – 2015

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FINAL DRAFT



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Animal and Plant Health Inspection Service

Please make corrections to name, address and ZIP Code, if necessary.

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SECTION 1 – GENERAL

For the purposes of this study, wild pigs refer to all species of feral swine, feral hogs, and wild boar.

- | | |
|---|--------------|
| 1. On June 1, 2015, how many acres did your operation: | Acres |
| a. Own? | 100 |
| b. Rent or Lease from others or use Rent Free?
(Exclude land used on an animal unit month (AUM) basis, BLM and Forest Service land.) + | 101 |
| c. Rent to others? | - 102 |
| 2. Calculate item 1a + 1b - 1c. Then the total acres operated on June 1, 2015 was: | = 103 |

3. In what state and county is the majority of your operation located?

State

County

OFFICE USE
104
105

4. During the last 3 years, have wild pigs been present in the county reported in Item 3?

- ¹⁰⁶ Yes
 No
 Don't Know

5. During the last 3 years, have wild pigs been present on your operation?

- ¹⁰⁷ Yes
 No
 Don't Know

SECTION 2 – CROPS

1. Were any crops harvested on your operation in 2014?

- ¹⁰⁸ Yes – Continue No – Go to Section 3

2. Please report for up to three crops harvested in 2014 with the highest value of production in 2014.

	Unit	Crop 1	Crop 2	Crop 3
a. In 2014, which crop(s) harvested on your operation produced the highest value of production? Report for up to three crops.	Crop	109	110	111
b. How many total acres of this crop were planted ?	Acres	112	113	114
c. How many total acres of this crop were harvested ?	Acres	115	116	117
(i.) What was the average yield per acre of this crop?	Number	118	119	120
(ii.) What was the unit for the yield reported in row c(i) above?	Unit	121 <input type="checkbox"/> Bushels <input type="checkbox"/> Pounds <input type="checkbox"/> Tons <input type="checkbox"/> Other (Specify: _____) <small>1000</small>	122 <input type="checkbox"/> Bushels <input type="checkbox"/> Pounds <input type="checkbox"/> Tons <input type="checkbox"/> Other (Specify: _____) <small>1001</small>	123 <input type="checkbox"/> Bushels <input type="checkbox"/> Pounds <input type="checkbox"/> Tons <input type="checkbox"/> Other (Specify: _____) <small>1002</small>
(iii.) What was the average price received (or expect to be receive) for this crop harvested in 2014?	Dollars per unit	124 \$. __ _ /unit	125 \$. __ _ /unit	126 \$. __ _ /unit
(iv.) Was this crop certified as organic?	Code	127 <input type="checkbox"/> Yes <input type="checkbox"/> No	128 <input type="checkbox"/> Yes <input type="checkbox"/> No	129 <input type="checkbox"/> Yes <input type="checkbox"/> No
d. Were wild pigs present on any field of this crop? (If Yes , continue. If No or Don't Know , go to Item 2e)	Code	130 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	131 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	132 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know
(i.) Was this crop damaged by wild pigs? (If Yes , continue. If No or Don't Know , go to Item 2e)	Code	133 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	134 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	135 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know
(ii.) How many acres of this crop were damaged by wild pigs?	Acres	136	137	138
(iii.) What was the average yield per acre of the acres damaged by wild pigs?	Number	139	140	141
(iv.) If these acres had not been damaged, what would have been their yield per	Number	142	143	144
e. Did you have crop insurance on this crop? (If Yes , continue. If No , go to Section 3)	Code	145 <input type="checkbox"/> Yes <input type="checkbox"/> No	146 <input type="checkbox"/> Yes <input type="checkbox"/> No	147 <input type="checkbox"/> Yes <input type="checkbox"/> No
(i.) Did the crop insurance policy cover wildlife damage? (If Yes , continue. If No or Don't Know , go to Section 3)	Code	148 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	149 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	150 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know
(ii.) Did you file a claim on this crop for wild pig damage? (If Yes , continue. If No , go to Section 3)	Code	151 <input type="checkbox"/> Yes <input type="checkbox"/> No	152 <input type="checkbox"/> Yes <input type="checkbox"/> No	153 <input type="checkbox"/> Yes <input type="checkbox"/> No

(iii.) What was the total payment received or expected to be received from the insurance company for the wild pig damage claim?	Dollars	¹⁵⁴ \$	¹⁵⁵ \$	¹⁵⁶ \$
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SECTION 3 – LIVESTOCK

1. Were any livestock on your operation in 2014?

¹⁵⁷ Yes – Continue No – Go to Section 4

None

2. How many of the following types of livestock were on your operation on December 31, 2014?

- a. Cattle and Calves.....
- b. Domestic Hogs and Pigs.....
- c. Sheep and Lambs.....
- d. Goats and Kids.....
- e. Poultry
- f. Horses, Ponies, and Mules.....
- g. Other (Specify: ¹⁰⁰³ _____)

Head	
<input type="checkbox"/>	158
<input type="checkbox"/>	159
<input type="checkbox"/>	160
<input type="checkbox"/>	161
<input type="checkbox"/>	162
<input type="checkbox"/>	163
<input type="checkbox"/>	164

3. In 2014, to the best of your knowledge, were wild pigs ever **seen** in areas where livestock are kept?

¹⁶⁵ Yes - Continue No – Go to Item 5

4. In 2014, to the best of your knowledge, how often were wild pigs **seen** in areas where livestock are kept?

- ¹⁶⁶
- 1 Daily
 - 2 Weekly
 - 3 About once a month
 - 4 Less than once a month
 -

5. In 2014, was there **evidence** that wild pigs entered or gained access to livestock barns or pens?

¹⁶⁷ Yes No Don't Know Not Applicable

6. In 2014, was there **evidence** that wild pigs entered or gained access to stored livestock feed, grain, and hay?

¹⁶⁸ Yes No Don't Know Not Applicable

7. In 2014, could you attribute any of the following livestock diseases on your operation to the presence of wild pigs?

- a. Swine Brucellosis (Brucella Suis) ¹⁶⁹ Yes No
- b. Pseudorabies (Aujeszky's disease) ¹⁷⁰ Yes No
- c. Porcine Reproductive and Respiratory Syndrome (PRRS) ¹⁷¹ Yes No
- d. Swine Influenza virus..... ¹⁷² Yes No
- e. Other (Specify: ¹⁰⁰⁴ _____)..... ¹⁷³ Yes No

SECTION 3 – LIVESTOCK

8. In 2014, could you attribute any livestock deaths on your operation to the presence of wild pigs?

¹⁷⁴ Yes - Continue No – Go to Item 11 Don't Know – Go to Item 11

9. In 2014, which of the following types of livestock on your operation were lost due to wild pigs? If livestock were lost, how many were lost in 2014, what was the market value of livestock lost, and was the loss due primarily to disease or an attack by wild pigs?

Livestock Type	Livestock lost due to wild pigs?	Number lost to wild pigs in 2014 (Head)	Total market value of livestock lost at time of death to wild pigs (Dollars)	Primary cause of loss due to wild pigs (Check one)
a. Cattle and Calves	¹⁷⁵ <input type="checkbox"/> Yes <input type="checkbox"/> No	176	177	¹⁷⁸ <input type="checkbox"/> Disease <input type="checkbox"/> Attack <input type="checkbox"/> Don't Know
b. Domestic Hogs and Pigs	¹⁷⁹ <input type="checkbox"/> Yes <input type="checkbox"/> No	180	181	¹⁸² <input type="checkbox"/> Disease <input type="checkbox"/> Attack <input type="checkbox"/> Don't Know
c. Sheep and Lambs	¹⁸³ <input type="checkbox"/> Yes <input type="checkbox"/> No	184	185	¹⁸⁶ <input type="checkbox"/> Disease <input type="checkbox"/> Attack <input type="checkbox"/> Don't Know
d. Goats and Kids	¹⁸⁷ <input type="checkbox"/> Yes <input type="checkbox"/> No	188	189	¹⁹⁰ <input type="checkbox"/> Disease <input type="checkbox"/> Attack <input type="checkbox"/> Don't Know
e. Poultry	¹⁹¹ <input type="checkbox"/> Yes <input type="checkbox"/> No	192	193	¹⁹⁴ <input type="checkbox"/> Disease <input type="checkbox"/> Attack <input type="checkbox"/> Don't Know
f. Other (Specify: ¹⁰⁰⁵ _____)	¹⁹⁵ <input type="checkbox"/> Yes <input type="checkbox"/> No	196	197	¹⁹⁸ <input type="checkbox"/> Disease <input type="checkbox"/> Attack <input type="checkbox"/> Don't Know

[If any of the deaths reported in Item 9 were due to disease, continue; otherwise go to Item 11]

10. Which of the following made the diagnosis that livestock were lost due to a wild pig-related disease? Check all that apply

- ¹⁹⁹ Farm Operator
²⁰⁰ Farm Manager
²⁰¹ Biologist
²⁰² Veterinarian

²⁰³ Other (Specify: ¹⁰⁰⁶ _____)

11. How concerned are you about the potential spread of diseases from wild pigs to livestock? Check one only

- ²⁰⁴
1 Not concerned
2 Slightly concerned
3 Moderately concerned
4 Very concerned

SECTION 4 – PROPERTY

1. In 2014, did wild pigs damage any property on your operation?

²⁰⁵ Yes - Continue No – Go to Section 5 Don't Know – Go to Section 5

2. In 2014, which of the following types of damage due to wild pigs occurred on your operation? If property was damaged, how much did it cost, or would you estimate it would cost, to repair the damage and how severe was the damage?

Damage Type	Did damage occur?	Cost of damage (or estimate of repair)?	How severe was the damage? Check one per row				
			Not Severe	Slightly Severe	Moderately Severe	Very Severe	Unsure
a. Damage to buildings	²⁰⁶ <input type="checkbox"/> Yes <input type="checkbox"/> No	²⁰⁷ \$	²⁰⁸ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
b. Damage to fencing	²⁰⁹ <input type="checkbox"/> Yes	²¹⁰ \$	²¹¹ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
c. Damage to livestock waterers, water pumps, and/or irrigation equipment	²¹² <input type="checkbox"/> Yes	²¹³	²¹⁴ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
d.. Damage to vehicles	²¹⁵ <input type="checkbox"/> Yes	²¹⁶	²¹⁷ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
e. Damage to residential property	²¹⁸ <input type="checkbox"/> Yes	²¹⁹	²²⁰ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
f. Damage to roads	²²¹ <input type="checkbox"/> Yes	²²²	²²³ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
g. Damage to stored livestock feed, grain, and hay	²²⁴ <input type="checkbox"/> Yes <input type="checkbox"/> No	²²⁵	²²⁶ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
h. Damage to terraces, stream banks, or ponds	²²⁷ <input type="checkbox"/> Yes <input type="checkbox"/> No		²²⁸ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
i. Loss of wildlife habitat	²²⁹ <input type="checkbox"/> Yes		²³⁰ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
j. Field topsoil erosion	²³¹ <input type="checkbox"/> Yes		²³² <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
k. Loss of trees	²³³ <input type="checkbox"/> Yes		²³⁴ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
l. Fecal contamination of water	²³⁵ <input type="checkbox"/> Yes		²³⁶ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
m. Fecal contamination of crops	²³⁷ <input type="checkbox"/> Yes		²³⁸ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
n. Other (Specify: ¹⁰⁰⁷ _____)	²³⁹ <input type="checkbox"/> Yes	²⁴⁰	²⁴¹ <input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

SECTION 5 – CONTROL

1. In 2014, were any control methods used on your operation in order to **reduce** or **prevent** damage from wild pigs?

²⁴² Yes – Continue No – Go to Item 3

2. In 2014, which of the of the following control methods were used on your operation in order to **reduce** or **prevent** damage from wild pigs? If the method was used in 2014, how much did that method cost (including labor) and how effective was it?

Control Method	Used on operation in 2014?	Cost (Include labor) (Dollars)	How effective was the control method? Check one per row			
			Not Effective	Slightly Effective	Moderately Effective	Very Effective
a. Shooting wild pigs on sight	²⁴³ <input type="checkbox"/> Yes <input type="checkbox"/> No	244 \$	245 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Hunting wild pigs with dogs	²⁴⁶ <input type="checkbox"/> Yes	247 \$	248 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hunting wild pigs without dogs	²⁴⁹ <input type="checkbox"/> Yes	250 \$	251 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Aerial hunting	²⁵² <input type="checkbox"/> Yes	253 \$	254 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Trapping and removing wild pigs	²⁵⁵ <input type="checkbox"/> Yes	256 \$	257 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Repellents for wild pigs	²⁵⁸ <input type="checkbox"/> Yes	259 \$	260 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Other (Specify: <small>1008</small> _____)	²⁶¹ <input type="checkbox"/> Yes	262 \$	263 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. In 2014, did you use **electric** fencing on your operation **specifically** to reduce damage by wild pigs?

²⁶⁴ Yes – Continue No – Go to Item 4

a. How much did it cost to install this **electric** fencing?

Dollars
265

b. At the time of installation, how many years was the expected useful life of this **electric** fencing?

Years
266

4. In 2014, did you use **non-electric** fencing on your operation **specifically** to reduce damage by wild pigs?

²⁶⁷ Yes – Continue No – Go to Item 5

a. How much did it cost to install this **non-electric** fencing?

Dollars
268

Years
269

b. At the time of installation, how many years was the expected useful life of this **non-electric** fencing?

SECTION 5 – CONTROL

None

5. In 2014, how many wild pigs were **killed** on your operation?

Head
270

6. In 2014, how many **live** wild pigs were **removed** from your operation?

Head
271

[If Item 6 is zero, go to Item 7; otherwise continue]

a. Of the (Item 6) live wild pigs removed from your operation in 2014, were any sold?

²⁷² Yes – Continue No – Go to Item 7

b. What was the average price per head you received for the live wild pigs removed from your operation in 2014?

Dollars/Head
273 \$

7. In 2014, did you seek help from a county, state, or federal agency because of the damage due to wild pigs on your operation?

²⁷⁴ Yes
 No
 NA – No damage by wild pigs

SECTION 6 – HUNTING

1. In 2014, did you or anyone else hunt on your operation?

²⁷⁵ Yes – Continue No – Go to Section 7 Don't Know – Go to Section 7

2. Please answer the following items regarding hunting of wildlife on your operation in 2014. Check all that apply

Hunting	Wild Pigs	Deer	Upland Birds	Waterfowl	Turkeys	Other
a. Which animals did you or your immediate family hunt on your operation in 2014?	276 <input type="checkbox"/>	277 <input type="checkbox"/>	278 <input type="checkbox"/>	279 <input type="checkbox"/>	280 <input type="checkbox"/>	281 <input type="checkbox"/>
b. Which animals did anyone other than your immediate family hunt on your operation in 2014 without paying?	282 <input type="checkbox"/>	283 <input type="checkbox"/>	284 <input type="checkbox"/>	285 <input type="checkbox"/>	286 <input type="checkbox"/>	287 <input type="checkbox"/>
c. Which animals did anyone pay to be allowed to hunt on your operation in 2014? (Exclude guide or outfitting services)	288 <input type="checkbox"/>	289 <input type="checkbox"/>	290 <input type="checkbox"/>	291 <input type="checkbox"/>	292 <input type="checkbox"/>	293 <input type="checkbox"/>
d. For which animals did you provide a guide or outfitting service to paying hunters on your operation in 2014?	294 <input type="checkbox"/>	295 <input type="checkbox"/>	296 <input type="checkbox"/>	297 <input type="checkbox"/>	298 <input type="checkbox"/>	299 <input type="checkbox"/>
e. Which animals have experienced a decline in population on your operation in the last 3 years that you attribute to wild pigs?		300 <input type="checkbox"/>	301 <input type="checkbox"/>	302 <input type="checkbox"/>	303 <input type="checkbox"/>	304 <input type="checkbox"/>

3. During 2014, what was your net income from:

Dollars
305
306

None

- a. **Wild pig hunting** on your operation?
- b. **All hunting activities** on your operation?

SECTION 7 – DEMOGRAPHICS

1. What was your age on December 31, 2014?

Years
307
2. What is your gender? ³⁰⁸ Male Female
3. At which occupation did you spend the majority of your worktime in 2014? ³⁰⁹ Farm or ranch work Other
4. Do you make the majority of the decisions about farming/ranching for your operation? ³¹⁰ Yes No
5. Are you a hired manager for your operation? ³¹¹ Yes No
6. Do you currently live on your operation? ³¹² Yes No

Year (YYYY)
313

7. In what year did you begin to make day-to-day decisions for a farm or ranch operation?
8. In 2014, what was your total household income before taxes? Check one only ³¹⁴
- 1 Less than \$1,000
 - 2 \$1,000 to \$2,499
 - 3 \$2,500 to \$4,999
 - 4 \$5,000 to \$9,999
 - 5 \$10,000 to \$24,999
 - 6 \$25,000 to \$49,999
 - 7 \$50,000 to \$99,999
 - 8 \$100,000 to \$249,999
 - 9 \$250,000 to \$499,999
 - 10 \$500,000 to \$999,999
 - 11 \$1,000,000 or more

9. In 2014, what percent of your total household income came from farming and/or ranching? Check one only ³¹⁵
- 1 None
 - 2 1% to 25%
 - 3 26% to 50%
 - 4 51% to 75%
 - 5 76% to 99%
 - 6 100%

SECTION 8 – CONCLUSION

Respondent Name:	9911 Phone:	9910 MM DD YY Date: _ _ _ _
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OFFICE USE ONLY

Response	Respondent	Mode	Enum.	Eval.	Change	Office Use for POID
1-Comp	9901	1-Op/Mgr	9902	1-Mail	9903	9989
2-R		2-Sp		2-Tel		
3-Inac		3-Acct/Bkpr		3-Face-to-Face		
4-Office Hold		4-Partner		4-CATI		

5-R – Est 6-Inac – Est 7-Off Hold – Est		9-Oth		5-Web 6-e-mail 7-Fax 8-CAPI 19-Other			R. Unit	Optional Use			
							9921	9907	9908	9906	9916

S/E Name

Thank you for your time. Please return this questionnaire in the enclosed envelope.