According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a per- it displays a valid OMB control number. The valid OMB control number for this information collection is collection is estimated to average 2 hours per response, including the time for reviewing instructions, s needed, and completing and reviewing the collection of information.	OMB APPROVED 0579-0036 Exp.: 10/31/2018					
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result and to be subject to penalties as provided for in Section 2150.	Interagency Report Control No. 0180-DOA-AN	Fiscal Year 2012				
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTRATION NUMBER 31-R-0028					
	<ol> <li>HEADQUARTERS RESEARCH FACILITY (Name, address, and telephone number as registered with USDA, include ZIP Code)</li> </ol>					
ANNUAL REPORT OF RESEARCH FACILITY	CASE WESTERN RESERVE UNIVERSITY					
(TYPE OR PRINT)	10900 EUCLID AVE					
	CLEVELAND, OH 44106					
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets, if necessary.)						

FACILITY LOCATIONS (Sites)

## (b)(7)(F)

REPORT OF ANIMALS USE A.	В.	C.	D. Number of animals upon	E Number of entropy which to all the	F.
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NUMBE OF ANIMALS (Cois. C + D + E
4. Dogs	4	0	49	0	49
5. Cats	0	0	0	0	0
6. Guinea Pigs	10	33	215	0	248
7. Hamsters	18	32	26	0	58
8. Rabbits	63	60	181	59	300
9. Non-human Primates	0	0	0	0	0
10. Sheep	5	0	2	0	2
11. Pigs	10	1	281	0	282
12. Other Farm Animals					
13. Other Animals	14	34	4	0	38

## ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected. 3.)

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

> CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

(b)(6), (b)(7)(c)

SIGNATURE OF C.E.O. OR I.O.

NAME AND TITLE OF C.E.O. OR I.O. (Type or Print)

APHIS FORM 7023 JUL 2013

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 0579-0036. The time required to complete this information collection is estimated to average 2 hours 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.						OMB APPROVED 0579-0036
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. Interagency Report Control No. 0180-DOA-AN					Fiscal Year 2012	
	ATES DEPARTMENT D PLANT HEALTH IN		1. REGISTRAT 31-R-002			
CONTINU REPOR	L with USDA, in: CASE WE 10900 EU	2. HEADQUARTERS RESEARCH FACILITY (Name, address, and telephone number as registered with USDA, include ZIP Code) CASE WESTERN RESERVE UNIVERSITY 10900 EUCLID AVE CLEVELAND, OH 44106				
			(Attach additional sheets if neces	-	,	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experime were cor pain or d which th analgesi adversel or interp experime of the pr on these	of animals upon which teaching, ents, research, surgery, or tests ducted involving accompanying listress to the animals and for e use of appropriate anesthetic, c, or tranquilizing drugs would have y affected the procedures, results, retation of the teaching, research, ents, surgery, or tests. (An explana ocedures producing pain or distres a animals and the reasons such dru t used must be attached to this reput	(Cols. C + D + E) s gs
WOODCHUCK	0	0	4		0	4
DEGU	14	34	0		0	34
ASSURANCE STATEMENT	S		1	1		<u> </u>

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

- 3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

