it displays a valid OMB contro collection is estimated to aver	ol number. The valid OMB cor	ntrol number for this informatic	on collection is	0579-0036. The t	ime requir	to, a collection of information unless ed to complete this information s, gathering and maintaining the data	OMB APPROVED 0579-0036 Exp. 10/31/2018
						Fiscal Year 2013	
	ATES DEPARTMENT			1. REGISTRATI 14-R-0018		BER	
ANNUAL RE	2. HEADQUARTERS RESEARCH FACILITY (Name, address, and telephone number as registered with USDA, include ZIP Code) MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE, 3-234 CAMBRIDGE, MA 02139						
<ol> <li>REPORTING FACILITY (In necessary.)</li> </ol>	List all locations where animal	s were housed or used in actu	ual research, te	esting, teaching, or	experime	ntation, or held for these purposes. Attach ad	ditional sheets, if
2000 - 100 -		F	ACILITY LOCA	ATIONS (Sites)			
(b)(7)(F)			(Attach additio	nal abaata if naaa			
A.	D BY OR UNDER CONTROL B.	C.		nal sneets, it neces of animals upon		se APHIS FORM 1023A.)	F.
Animals Covered By The Animal Welfare Regulations	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.	b. Wurber 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.		ex coi dis ap tra aff int ex of	periments, research, surgery, or teaching, periments, research, surgery, or teasts were nducted involving accompanying pain or stress to the animals and for which the use of propriate anesthetic, analgesic, or nguilizing drugs would have adversely ected the procedures, results, or erpretation of the teaching, research, periments, surgery, or tests. (An explanation the procedures producing pain or distress on ese animals and the reasons such drugs are not used must be attached to this report.)	TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0		0		0
5. Cats	0	0	0		0		0
6. Guinea Pigs	13	4	<mark>5</mark> 1		0		55
7. Hamsters	0	0	22			0	22
8. Rabbits	15	4	44		0		48
9. Non-human Primates	14	24	69		0		93
10. Sheep	0	0	0			0	0
11. Pigs	0	5	22			0	27
12. Other Farm Animals			15				
13. Other Animals	0	32	62			0	94

## 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.

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.

## 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).

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

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

DATE SIGNED 27-JAN-2014

JUL 2013

unless it displays a valid OM	B control number. The valid C rage 2 hours per response, in	OMB control number for this in cluding the time for reviewing	sor, and a person is not required formation collection is 0579-0036 instructions, searching existing d	5. The time requir	ed to complete this 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. No. 0180-DOA-AN						Fiscal Year 2013
	ATES DEPARTMENT D PLANT HEALTH IN		1. REGISTRATI 14-R-001			
CONTINU REPOR	L with USDA, ind MASSACH 77 MASSA	<ul> <li>2. HEADQUARTERS RESEARCH FACILITY (Name, address, and telephone number as registered with USDA, include ZIP Code)</li> <li>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</li> <li>77 MASSACHUSETTS AVENUE, 3-234</li> <li>CAMBRIDGE, MA 02139</li> </ul>				
			(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 com pain or d which the analgesic adversely or interpr experime of the pro on these	of animals upon which teaching, nts, research, surgery, or tests ducted involving accompanying istress to the animals and for use of appropriate anesthetic, c, or tranquilizing drugs would have affected the procedures, results, teation of the teaching, research, nts, surgery, or tests. (An explana ocedures producing pain or distress animals and the reasons such dru used must be attached to this repu-	(Cols. C + D + E) s gs
CHINCHILLAS	0	2	4		0	6
GERBILS	0	30	58		0	88
ASSURANCE STATEMENTS	S			•		

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.
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	(Chief Executive Officer	HEADQUARTERS RESEARCH FACILITY OFFICIAL (C.E.O.) or Legally Responsible Institutional Official (I.O.)) the above is true, correct, and complete (7 U.S.C. Section 2143).	
6), (b)(7)(c)			DATE SIGNED
			27-JAN-2014