This report is required by law (7 USC 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.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 45-R-0001

CUSTOMER NO. 1557

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

LINIVERSITY OF NORTH DAKOTA

BOX 9001

GRAND FORKS, ND 58202

(701) 777-4493

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 additions
	sheets if necessary.)	, , , , , , , , , , , , , , , , , , , ,	· ·	

FACILITY LOCATIONS(sites)

See Attached Listing

								e APHIS FORM 7023A)	.,
A. Animals Cover By The Anims Welfare Regulat	ed al	B. Number of animals to bred, condition held for u teaching, experime research, surgery b yet used purposes	ed, or see to testing, or or out not for such	C. Number of animals up which lead research, experimentests were conducted involving a pain, distruse of pal relieving of	pon ching, hts, or i i no ess, or n-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving ecompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	expector to the anest interest expector the animal	niber of animals upon which leaching aritimats, research, surgery or tests were discled involving accompanying pain or distress the animals and for which the use of appropriate sthetic, analgesic, or tranquitizing drugs would a adversely affected the procedures, results, or repretation of the teaching, research, eriments, surgery, or tests. (An explanation of procedures producing pain or distress in these hals and the reasons such drugs were not used at be attached to this report)	F. TOTAL NO OF ANIMAL (Cois. C+ D+E)
4. Dogs									
5. Cats								: 	<u> </u>
6. Guinea Pigs								· .	
7. Hamsters									
8. Rabbits					·		<u> </u>		
9. Non-Human Prima	ates								
10. Sheep							ļ		
11, Pigs		· 		 	·				
12. Other Farm Anima	els				<u> </u>				
						 	 		-
13. Other Animals						· · · · · · · · · · · · · · · · · · ·	 		ļ.
ጵ ታጥኒኒሮ ሙ	ACTIT	TV HAC	HUIISI	D ONIV	קעיד	FOLLOWING: MI	CE &	RATS	
	BOIL.	IT HWD	ומטטו	D OWER	TILL	POLLOWING. III	-	Idilo	

- 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 the 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 provision of adequate veterinary care and to oversee the adequacy of other aspects of arimal care and use.

	(Chief Executive	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) above is true, correct, and complete (7 U.S.C. Section 2143)		
	OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
<i>‡</i>	ORM 18-23 (Oct 88), which is obsolete PART 1		PART 1 - HE	ADQUARTERS

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

 REGISTRATION NO. 45-R-0002 CUSTOMER NO. 1565

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
 NORTH DAKOTA STATE UNIVERSITY
 PO BOX 5756 NDSU STATION

NORTH DAKOTA STATE UNIVERSITY PO BOX 5756 NDSU STATION FARGO, ND 58105 (701) 231-8114

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)

See Attached Listing

COPY FOR YOUR INFORMATION

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.	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 tranquillizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4.· Dogs		20			20
5. Cats		30			30
6. Guinea Pigs		3			3
7. Hamsters		3			3
8. Rabbits	į	71			71
9. Non-Human Primates	0	0			0
10. Sheep		3088	165	_	3253
11. Pigs		1224	24		1248
12. Other Farm Animals					
Cattle		4892	11		4903
13. Other Animals					
Goat		1			1
Horses		95			95
Bison		106			106

- 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 the 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 provision 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 or Legally Responsible Institutional official)
certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL /Type or Print)

DATE SIGNED

11-25-2003

:88), which is obsolete

PART 1 - HEADQUARTERS

This report is required by law (7 USC 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.

COPY FOR Y
See revelor standardo, a
additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 45-R-0002 CUSTOMER NO.

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
 NORTH DAKOTA STATE UNIVERSITY
 DO BOY 5756 NIDSU STATION

PO BOX 5756 NDSU STATION FARGO, ND 58105 (701) 231-8114

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, 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.	E. Number of animals upon which leaching, 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 in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Gerbils	`	3		· _	
Chinchilla		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 atternatives 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 the 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 provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

88), which is obsolete

(Chief Executive O	HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) ove is true, correct, and complete (7 U.S.C. Section 2143)	I
·	NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL /Type or Print	DATE SIGNED
		11-25-200

PART 1 - HEADQUARTERS



This report is required by law (7 USC 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.

See reverse side for

Interagency Report Control 0180-DOA-AN

1. REGISTRATION NO. 45-R-0005

CUSTOMER NO. 19701

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579 0036

ANNUAL REPORT OF RESEARCH FACILITY

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

include Zip Code) ALDEVRON, L.L.C. 3233 15TH STREET SOUTH

FARGO, ND 58104 (701) 297-9256

3. REPORTING FACILITY (List all localions where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS(sites)

3301 S. University Dr. Suite E Fargo N.D. 58104

Α.	B. Number of	C. Number of	D. Number of animals upon	ssary or use APHIS FORM 7023A) E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animas being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-refleving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgestic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accombanyir gipaln or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquillzing 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 in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	·				
5. Cats					
6. Guinea Pigs	<u> </u>				
7. Hamsters .					400
B. Rabbits	28		406		43A
9. Non-Human Primates		!			
10. Sneep		,- ·			
11. Pigs					·
12. Other Farm Animals		<u></u>			
13. Other Animals					
	ļ	L <u> </u>			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquillizing 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 the 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 provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

T							
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL							
(Chief Executive Officer or Legally Responsible Institutional official)							
	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)						
CIA	L	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
			10/2/03				

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolcte

PART 1 - HEADQUARTERS

AUSF0001,1566

United Stated Department of Agriculture Agricultural Research Service

ANNUAL REPORT OF RESEARCH FACILITY (Required For Each Reporting Facility Where Farm Animals Are Held)

1,	DATE	ŌF	REPORT				
10/28/03							

ARS TEMPORARY FORM 85 - 86

2. HEADQUARTERS RESEARCH FACILITY (Name & Address)

INSTRUCTIONS

Reporting Facility - complete items 1 through 30 and submit to your Headquarters Facility. Attach additional sheets if necessary.

Headquarters Facility - complete items 31 through 33 and submit on or before December 1 of each year for the preceding Federal fiscal year (October 1 to September 30) to the Program Research Safety Officer, USDA-ARS-NPS, GWCC 4-2174 -Beltsville, Maryland 20705-5138.

3. REPORTING FACILITY (Name & Address) Red River Valley Agricultural Research Center PO Box 5674

Fargo ND 58105-5674

REPORT OF FARM ANIMNALS USED IN ACTUAL RESEARCH, TESTING, OR EXPERIMENTATION INCLUDING PRODUCTION RESEARCH A. Number of animals used Research, experiments, or Research, experiments, or tests Farm Animals **New Animals** in research, experiments, tests where appropriate involving pain or distress TOTAL NO. Added this or tests involving no pain anesthetic, analgesic, or without administration of of Animals Year (Cols. C + D + E) or distress. tranquilizer drugs were appropriate anesthetic, administered to avoid pain or analgesic, or tranquilizer drugs. (Attach brief explanation.) distress Cattle 0 Swine 14 14 Sheep Goats 6 Horses Chickens 27 6 10. Turkeys 11. Quail Pheasants Other Avian Species 13. (Specify) 15 CERTIFICATION BY ATTENDING VETERINARIAN FOR REPORTING FACILITY OR INSTITUTION COMMITTEE I (We) hereby certify that the type and amount of analgesic, anesthetic, and tranquilizing drugs used on animals during actual research, testing or experimentation including post-operative and post-procedural care was deemed appropriate to relieve pain and distress for the subject animal. 16. SIGNATURE OF ATTENDING VETERINARIAN 18. DATE SIGNED 17. TITLE /28/03 (b)(6), (b)(7)(c) (b)(6), (b)(7)(c) DATE SIGNED /28/03 22. SIGNATURE OF COMMITTEE MEMBER 24. DATE SIGNED (b)(6), (b)(7)(c) (b)(6), (b)(7)(c) 10/28/03 (b)(6), (b)(7)(c) 27. DATE SIGNED 10/28/03 (b)(6), (b)(7)(c) (b)(6), (b)(7)(c) 30, DATE SIGNED (b)(6), (b)(7)(c) 29. TITLE 10/28/03

31 SIGNATURE DE RESPONSIRI E OFFICIAL 32. TITLE

This report is required by low (7 USC 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 See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

by the above research facilities or sites.

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

FICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL I certify that the above is true, correct, and complete and that professionally acceptable standards governing care, treatment, and use of farm animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs during actual research, testing, or experimentation including post-operative and post-procedural care are being followed