it displays a valid OMB con collection is estimated to a	ntrol number. The valid OME		nation collection is	s 0579-0036.	The time required to c		OMB APPROVED 0579-0036
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.					cease and desist	Interagency Report Control No. 0180-DOA-AN	Fiscal Year: 2019
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 45-G-0004 Customer Number: 334156			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Grand Forks Human Nutrition Research Center ARS 2420 2nd Avenue North GRAND FORKS, ND 58203 Telephone: (701) 795-8358			
REPORT OF ANIMALS U	SED BY OR UNDER CONT	ROL OF RESEARCH FACILIT	Γ Υ (Attach additic	onal sheets if i	necessary or use APH	S FORM 7023A.)	
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 a upon which exp teaching, resea surgery, or test conducted invo accompanying distress to the a for which appro anesthetic, ana	periments, arch, s were lving pain or animals and opriate	experiments, researd conducted involving to the animals and fo anesthetic, analgesio have adversely affect interpretation of the t experiments, surgery	s upon which teaching, h, surgery, or tests were accompanying pain or distress r which the use of appropriate , or tranquilizing drugs would ted the procedures, results, or eaching, research, , or tests. (An explanation of cing pain or distress on these	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

Animals Covered By The Animal Welfare Regulations	or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	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.)	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	0	0	0	0	0
7 Hamsters	0	0	0	0	0
8 Rabbits	0	0	0	0	0
9 Non-Human Primates	0	0	0	0	0
10 Sheep	0	0	0	0	0
11 Pigs	0	0	0	0	0
12 Other Animals	0	569	0	0	569
House Mouse / Lab Mouse (C 0 mmon Research Variety)	569	0	0	569

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.					
(Chief Exect Institut	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).				
		DATE SIGNED			
		13-JAN-2020			