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 2140.

See reverse side for additional information.

Interagency Report Control No
0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REGISTRATION NO. 45-R-0001
   CUSTOMER NO. 1557
   FORM APPROVED
   OMB NO. 0579-0030

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
   UNIVERSITY OF NORTH DAKOTA
   BOX 5001
   GRAND FORKS, ND 58202
   (701) 777-4403

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

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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.</th>
<th>C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.</th>
<th>D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving pain, distress, or use of pain-relieving drugs.</th>
<th>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 in these animals and the reasons such drugs were not used must be attached to this report)</th>
<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td></td>
<td></td>
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<tr>
<td>5. Cats</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>6. Guinea Pigs</td>
<td></td>
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<tr>
<td>7. Hamsters</td>
<td></td>
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<tr>
<td>8. Rabbits</td>
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<td></td>
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<tr>
<td>9. Non-Human Primates</td>
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<tr>
<td>10. Sheep</td>
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<tr>
<td>11. Pigs</td>
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<tr>
<td>12. Other Farm Animals</td>
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<tr>
<td>13. Other Animals</td>
<td></td>
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</tr>
</tbody>
</table>

**THE FACILITY HAS HOUSED ONLY THE FOLLOWING: MICE & RATS**

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 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)

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

<table>
<thead>
<tr>
<th>OFFICIAL</th>
<th>NAME &amp; TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)</th>
<th>DATE SIGNED</th>
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</thead>
<tbody>
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</tbody>
</table>

PART 1 - HEADQUARTERS

JRM 18-23 (Oct 88), which is obsolete

ACT 7.10.2003
## ANNUAL REPORT OF RESEARCH FACILITY

### TYPE OR PRINT

| **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, research, 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4. Dogs | 20 |  |  |  |  |  |  |  |  | 20 |
| 5. Cats | 30 |  |  |  |  |  |  |  |  | 30 |
| 6. Guinea Pigs | 3 |  |  |  |  |  |  |  |  | 3 |
| 7. Hamsters | 3 |  |  |  |  |  |  |  |  | 3 |
| 8. Rabbits | 71 |  |  |  |  |  |  |  |  | 71 |
| 9. Non-Human Primates | 0 | 0 |  |  |  |  |  |  |  | 0 |
| 10. Sheep | 3088 | 165 |  |  |  |  |  |  |  | 3253 |
| 11. Pigs | 1224 | 24 |  |  |  |  |  |  |  | 1248 |
| 12. Other Farm Animals | 4892 | 11 |  |  |  |  |  |  |  | 4903 |
| 13. Other Animals |  |  |  |  |  |  |  |  |  |  |
| Goat | 1 |  |  |  |  |  |  |  |  | 1 |
| Horses | 95 |  |  |  |  |  |  |  |  | 95 |
| Bison | 106 |  |  |  |  |  |  |  |  | 106 |

### 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 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)

<table>
<thead>
<tr>
<th>NAME &amp; TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)</th>
<th>DATE SIGNED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11-25-2003</td>
</tr>
</tbody>
</table>
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.

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

| 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 appropriate anesthetic, analgesic, or tranquilizing drugs were used | F. TOTAL NO. OF ANIMALS
(Cols. C + D + E) |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Gerbils</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chinchilla</td>
<td>1</td>
<td></td>
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</tbody>
</table>

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 been determined that exceptions to the standards and regulations are acceptable 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)

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

NAME TELEPHONE OR INSTITUTIONAL OFFICIAL (Title or Rank) DATE SIGNED

11-25-2003

(18), which is obsolete

PART 1 - HEADQUARTERS
ANNUAL REPORT OF RESEARCH FACILITY

TYPE OR PRINT

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY

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

1. REGISTRATION NO. 45-R-0065
2. HEADQUARTERS RESEARCH FACILITY
   ALDERSON, LLC
   3233 15TH STREET SOUTH
   FARGO, ND 58104
   (701) 297-9256

3. REPORTING FACILITY
   3301 S. University Dr. Suite E
   Fargo, ND. 58104

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

A. Animals Covered
   By The Animal Welfare Regulations

B. Number of animals
   28

C. Number of animals
   406

D. Number of animals
   434

4. Dogs
5. Cats
6. Guinea Pigs
7. Hamsters
8. Rabbits
9. Non-Human Primates
10. Sheep
11. Pigs
12. Other Farm Animals
13. Other Animals

ASSURANCE STATEMENTS

1) Professioan1ly 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

(Certified by Executive Officer or Legally Responsible Institutional official)

Name & Title of C.E.O. or Institutional Official: ""
United States Department of Agriculture
Agricultural Research Service

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

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 Office, USDA-ARS-NPS, GWCC 4-2174 - Beltsville, Maryland 20705-5136.

REPORT OF FARM ANIMALS USED IN ACTUAL RESEARCH, TESTING, OR EXPERIMENTATION INCLUDING PRODUCTION RESEARCH

<table>
<thead>
<tr>
<th>A. Farm Animals</th>
<th>B. New Animals Added this Year</th>
<th>C. Number of animals used in research, experiments, or tests involving no pain or distress</th>
<th>D. Research, experiments, or tests where appropriate anesthetic, analgesic, or tranquilizer drugs were administered to avoid pain or distress</th>
<th>E. Research, experiments, or tests involving pain or distress without administration of appropriate anesthetic, analgesic, or tranquilizer drugs. (Attach brief explanation.)</th>
<th>F. TOTAL NO. of Animals (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Cattle</td>
<td>0</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Swine</td>
<td>14</td>
<td>14</td>
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<td></td>
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<tr>
<td>3. Sheep</td>
<td>6</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Goats</td>
<td>27</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Turkeys</td>
<td>19</td>
<td>19</td>
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<td></td>
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<tr>
<td>6. Quail</td>
<td>3</td>
<td>3</td>
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<tr>
<td>7. Pheasants</td>
<td>6</td>
<td>6</td>
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<tr>
<td>8. Other Avian Species</td>
<td></td>
<td></td>
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<tr>
<td>9. Chickens</td>
<td>3</td>
<td>3</td>
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<tr>
<td>10. Total</td>
<td>54</td>
<td>54</td>
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</tbody>
</table>

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

17. TITLE
(b)(6), (b)(7)(c)

18. DATE SIGNED
10/28/03

22. SIGNATURE OF COMMITTEE MEMBER
(b)(6), (b)(7)(c)

23. TITLE
(b)(6), (b)(7)(c)

24. DATE SIGNED
10/28/03

26. SIGNATURE OF COMMITTEE MEMBER
(b)(6), (b)(7)(c)

27. TITLE
(b)(6), (b)(7)(c)

28. DATE SIGNED
10/28/03

31. SIGNATURE OF RESPONSIBLE OFFICIAL
(b)(6), (b)(7)(c)

32. TITLE
(b)(6), (b)(7)(c)

33. DATE SIGNED
11/23/03

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. See reverse side for additional information.