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-0001

CUSTOMER NO.
1557
FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached Listing

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

> UNIVERSITY OF NORTH DAKOTA BOX 9001 GRAND FORKS, ND 58202 (701) 777-4493

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)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) B. Number of Number of D. Number of animals upon E. Number of animals upon which teaching, animals being animals upon which experiments. experiments, research, surgery or tests were Animals Covered bred, which teaching, teaching, research, conducted involving accompanying pain or distress TOTAL NO. By The Animal Welfare Regulations conditioned, or research, surgery, or tests were to the animals and for which the use of appropriate OF ANIMALS held for use in experiments, or conducted involving anesthetic, analgesic, or tranquilizing drugs would teaching, testing, accompanying pain or (Cols. C+ tests were have adversely affected the procedures, results, or experiments, conducted distress to the animals interpretation of the teaching, research, D + E) research, or involving no and for which appropriate experiments, surgery, or tests. (An explanation of anesthetic, analgesic, or surgery but not pain, distress, or the procedures producing pain or distress in these yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes relieving drugs used. must be attached to this report) 4. Dogs 5. Cats 6. Guinea Pigs 7. Hamsters 2.7 13 8. Rabbits 13 9. Non-Human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals *The facility has also housed mice and rats. ASSURANCE STATEMENTS

- 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.

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| 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 & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |

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PART 1 - HEADQUARTERS

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. 1565

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

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) NORTH DAKOTA STATE UNIVERSITY 1735 N.D.S.U. RESEARCH PARK DRIVE

FARGO, ND 58105 (701) 231-8114

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentalion, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

| 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 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 altached to this report) | F. TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|--|---|---|---|--|---|
| 4. Dogs | 7 | 1 | 20 | | 21 |
| 5. Cats | 4 | 60 | 89 | | 149 |
| 6. Guinea Pigs | | 3 | | | 3 |
| 7. Hamsters | | 2 | | | 2 |
| 8. Rabbits | | 3 | | | 3 |
| Non-Human Primates | | | | | |
| 10. Sheep | 135 | 307 | 136 | | 443 |
| 11. Pigs | 24 | | 24 | | 24 |
| 12. Other Farm Animals | | | | | |
| Cattle | 16 | 81 | | | 81 |
| 13. Other Animals | | | | | |
| Horses | | 25 | | | 25 |
| Gerbil | | 10 | | | 10 |
| Chinchilla | | 1 | | | 1 |

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.
- 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 HEADQUARTER | RS 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 & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

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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-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

(TYPE OR PRINT)

include Zip Code) ALDEVRON, L. L. C. 3233 15 ST S

FARGO, ND 58104 (701) 297-9256

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)

SUITEE, UNIV DR. S. FARLIO, NO SONA

| 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 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 | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | 21 | | 936 | | 936 |
| 9. Non-Human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |

- 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.

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| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) Legrify 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) | 11/19/07 | | | | | |

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(Replaces vs FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

(AUG 91)