# ANNUAL REPORT OF RESEARCH FACILITY

**TYPE OR PRINT**

## FACILITY LOCATIONS (Sites) - See Attached Listing

### 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 animal 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 accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.</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, res 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><strong>TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
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<td>5. Cats</td>
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<tr>
<td>6. Guinea Pigs</td>
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<tr>
<td>7. Hamsters</td>
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<td>8. Rabbits</td>
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<td>9. Non-human Primates</td>
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<td>10. Sheep</td>
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<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>
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</tr>
</tbody>
</table>

**THE FACILITY HAS ALSO HOUSED MICE AND 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 teaching, testing, surgery, or experimentation were followed by this research facility.

2. Each principal investigator has considered alternatives to painful procedures.

3. The 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 appropriate 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 in 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)

**SIGN**

[Signature]

(Chief Executive Officer or Legally Responsible Institutional Official) [Date Signed]

NoV 22 2004
### ANNUAL REPORT OF RESEARCH FACILITY

**TYPE OR PRINT**

#### FACILITY LOCATIONS

**SITE 1**  
FARGO, ND 58105-5756

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#### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

(Attach additional sheets if necessary or use APHIS FORM 70234.)

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<thead>
<tr>
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<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
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</thead>
<tbody>
<tr>
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<td>5. Cats</td>
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<td>6. Guinea Pigs</td>
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#### 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>SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL</th>
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APHIS FORM 7023  
(Replaces VS FORM 18-23 (Oct 88), which is obsolete)  
PART 1 - HEADQUARTERS  
(AUG 91)
## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

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| Horses | 140 | 140 |

### 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 after actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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APHS FORM 7023A  
(AUG 91)  
(Replaces VS FORM 18-23 (Oct 88), which is obsolete)

PART 1 - HEADQUARTERS
The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

**Registration Number:** 45-R-0002  
**Customer Number:** 1585  
**Facility:** NORTH DAKOTA STATE UNIVERSITY  
P.O. BOX 5756 NDSU STATION  
FARGO, ND 58105-5756

Carrington Research Extension Center  
P.O. Box 219  
Carrington, ND 58421  
Hettinger Research Extension Center  
P.O. Box 1377  
Hettinger, ND 58639  
Dickinson Research Extension Center  
1133 State Ave.  
Dickinson, ND 58601  
Central Grasslands Research Extension Center  
4824 48th Ave SE  
Streeter, ND 58483-9730
### ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

#### 1. CERTIFICATE NUMBER:
45-R-0005

#### CUSTOMER NUMBER:
19701

#### Aldevron, L L C
3233 15th Street South
Fargo, ND 58104

#### Telephone: (701) -297-9256

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

#### FACILITY LOCATIONS (Sites) - See Attached Listing

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

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<td>6. Guinea Pigs</td>
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<td>7. Hamsters</td>
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<tr>
<td>8. Rabbits</td>
<td><strong>8</strong></td>
<td><strong>326</strong></td>
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<td><strong>326</strong></td>
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<tr>
<td>9. Non-human Primates</td>
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<td>10. Sheep</td>
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<td>11. Pigs</td>
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<td>12. Other Farm Animals</td>
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<tr>
<td>13. Other Animals</td>
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</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 the 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 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 in 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)

<table>
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<tbody>
<tr>
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<td><strong>10/12/04</strong></td>
</tr>
</tbody>
</table>

APHIS FORM 7023
(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

OCT 15 2004
All animals listed on the APHIS Form 7023 are housed at:

3301 S University Dr Suite E
Fargo, ND 58104
# Annual Report of Research Facility

## (Type or Print)

### 1. Reporting Facility

<table>
<thead>
<tr>
<th>45-F-0001</th>
<th>1588</th>
</tr>
</thead>
</table>

**Address:**

USDA-ARS-RVRAC
P.O. BOX 5674
FARGO, ND 58105
(701) 239-1298

**Facility Locations: (see)

1605 Albrecht Blvd., Fargo, ND

### 2. Headquarters Research Facility

**Name and Address, as registered with USDA, include Zip Code:**

USDA-ARS-RVRAC
P.O. BOX 5674
FARGO, ND 58105
(701) 239-1298

**FACILITY LOCATIONS (see)

1605 Albrecht Blvd., Fargo, ND

## Report of Animals Used By or Under Control of Research Facility

### (Attach additional sheets if necessary or use APHIS Form 70234)

#### A. Animals Covered By The Animal Welfare Regulations

- Dogs
- Cats
- Guinea Pigs
- Hamsters
- Rabbits
- Non-Human Primates
- Snaps
- Pigs
- Other Farm Animals
- Cattle
- Other Animals
- Goats
- Mice

#### B. Number of animals being bred, conditioned, or held for use in teaching, testing, experimentation, research, or surgery but not yet used for such purposes.

- 4

#### C. Number of animals upon which teaching, research, experimentation, or tests were conducted involving no pain, disease, or use of pain-relieving drugs.

- 12

#### D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or disease to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used.

- 10

#### E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or disease 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.)

- 6

#### F. TOTAL NO. OF ANIMALS

- 80

### 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 initiatives 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 reported 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 discussion of the exceptions, as well as the species and number of animals affected.

4. The standing statement for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to examine the adequacy of other aspects of animal care and use.

### Certification by Headquarters Research Facility

(Certified by the 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:**

11/29/04

**Part 1 - Headquarters**

(AUG 91)
**ANNUAL REPORT OF RESEARCH FACILITY**  
( **TYPE OR PRINT** )  

**FACILITY LOCATIONS (Sites) - See Attached Listing**

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

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<tr>
<td>5. Cats</td>
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<tr>
<td>6. Guinea Pigs</td>
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<td>7. Hamsters</td>
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**ASSURANCE STATEMENTS**

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APHS FORM 7023  
(Replaces VS FORM 18-23 (JXCT 88), which is obsolete.)

AUG 01  

NOV 18 2004
### ANNUAL REPORT OF RESEARCH FACILITY

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7. Hamsters
8. Rabbits
9. Non-human Primates
10. Sheep
11. Pigs
12. Other Farm Animals
13. Other Animals

### 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 any 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 in 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)

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APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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