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. 31-R-0112 CUSTOMER NO. 1803

FORM APPROVED OMB NO. 0579-0036

## \*

## **ANNUAL REPORT OF RESEARCH FACILITY**

(TYPE OR PRINT)

(b)(2)High, (b)(7)f

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

OBERLIN COLLEGE
OFFICE OF THE DEAN COLLEGE OF ARTS & SCIENCE
COX ADMINISTRATION BUILDING 101

OBERLIN, OH 44074
experimentation, or held for these purposes. Attach additional

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)

PACILITY LOCATIONS(SRES)

| Animals Covered<br>By The Animal<br>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 ANIMAL  (Cots, C+ D+E) |
|---|---|---|---|--|--|
| 4. Dogs   |   |   |   |  |  |
| 5. Cats   |   |   |   |  |  |
| 6. Guinea Pigs  | <u></u> _   |   |   |  |  |
| 7. Hamsters   |   |   | <u> </u>  |  |  |
| 8. Rabbits  |   |   |   |  |  |
| 9. Non-Human Primates                                   |   | <u></u> .   |   |  |  |
| 10. Sheep   |   |   |   |  |  |
| 11. Pigs  |   |   |   |  |  |
| 12. Other Farm Animals                                  |   | <del></del> -   |   |  |  |
| 13. Other Animals                                       |   |   |   |  |  |
| oposums   | 67  |   | 49  |  | 49                                     |
| Wild Birds  |   | 23  |   | 23   | 46                                     |

- 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) |  |             |  |  |  |  |
|--|--|-------------|--|--|--|--|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |  |  |  |  |
| b6, b7c  |  | 10/15/2008  |  |  |  |  |

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete

**PART 1 - HEADQUARTERS** 

## APHIS Form 7023 Column E Explanation

This form is intended as an aid to completing the APHIS Form 7023 Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number:

31-R-0112

2/3. Species (common name) & Number of animals used in this study:

Wild Birds (23)

4. Explain the procedure producing pain and/or distress.

The project is investigating whether changes in immune responses alter color ornamentation of American Goldfinches, specifically female bill color. These changes can occur over short periods (within 24 h). To test this, lipopolysaccharide (LPS; an extract of bacterial cells walls) was injected into American Goldfinches to elicit a short term immune response (fever, loss of appetite, general lethargy for 1-2 days). Birds recovered as the LPS was cleared from the system and were returned to the wild after 3-7 days.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

The injection of lipopolysaccharide was necessary to induce a short term immune response to assess bill color changes. Lipopolysaccharide was chosen over a "live" infectious agent to protect the birds from potentially becoming too ill to return to the wild.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency:

CFR:

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