OMB APPROVED
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Annual Report of Research Facility
Column E Explanation

(TYPE OR PRINT)

This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36). Failure to report according to the regulations can result in an order to cease and desist.

1. REGISTRATION NUMBER

87-G-0001

2. Research Facility Headquarters address

USDA ARS Poisonous Plant Research Laboratory
1150 E 1400 N
Logan, UT, 84341

3. Number of animals used in the study.

1 cattle, 13 sheep, 5 goats

4. Species (common name) of animals used in the study.

cattle, sheep, and goats

5. Explain the procedure producing pain and distress.

To evaluate the effects of poisonous plants, according to the protocol design cattle grazed on the rangelands with potentially toxic plants.

To evaluate the effects of poisonous plants, according to the protocol design sheep and goats were administered potentially toxic plants.

6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.

The experimental plan was to relieve pain and distress. The animals were intensively monitored. All efforts were made to ensure that the animals did not experience undue pain or distress; the experimental protocol was followed with the appropriate monitoring; however, one steer, 13 sheep and 5 goats died unexpectedly before relief could be administered and therefore were classified as category E.

7. 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
Agriculture Research Service	

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1. REGISTRATION NUMBER

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2. Research Facility Headquarters address

USDA ARS Poisonous Plant Research Laboratory
1150 E 1400 N
Logan, UT, 84341

3. Number of animals used in the study.

133 mice

4. Species (common name) of animals used in the study.

Mice

5. Explain the procedure producing pain and distress.

To determine the level of toxicity mice are administered various plant compounds from various plants for which the toxicity and/or mechanism of action are not fully known.

6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.

The experimental status of the plant compounds being tested means that little, or no information is available regarding possible drug-drug interactions. Co-administration of pain-relieving or anti-inflammatory medications would alter and skew the true toxicity values of the test compounds. Therefore, the use of these medications is prohibited in these experiments. Animals are intensively monitored during the experiments and are timely euthanized to minimize pain and distress.

7. 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**
Agriculture Research Service	