(41)

UTAH STATE AGRICULTURAL COLLEGE
HENRY ALDOUS DIXON, PRESIDENT
LOGAN, UTAH

404991

May 4, 1954

DEPARTMENT OF VETERINARY SCIENCE

Dr. Paul B. Pearson
Chief Biology Branch
Division of Biology and Medicine
U. S. Atomic Energy Commission
Washington, D.C.

Dear Dr. Pearson:

Was informed two days ago that you had been contacted regarding some trouble in the sheep around Cedar City. I thought you might be interested in gleaning through the notes I made on my last trip down there.

Dr. Holmes wrote us about this condition April 17, 1954. We went down immediately but would have been better to have seen the condition a month ago on the range where they were grazing when the condition was first discernible. We plan on talking to Mr. Steve Brower to use the proper channels in seeking help. The round about way results in a loss of valuable time.

Sending you a copy of the notes made during the 21st and 22nd of April. These flocks were visited and notes taken of the conditions at that time. Mr. Darrell Matthews, went with me to assist in locating the flocks. The owners seemed to be well pleased with their results and flocks this year. Even Doug Clark Jr. said he was well pleased with both his flocks and had no complaints.

The analysis of the blood taken from the three flocks has not been completed. Suspect to find a vitamin A deficiency.

If you have any questions regarding the data please do not hesitate to let us know. If anything of importance developes, we'll let you know.

Sincerely yours,

Le Grande Shupe

Le Grande Shupe, D.V.M.,
Assist. Prof., Veterinary Science

US DOE ARCHIVES
326 U.S. ATOMIC ENERGY COMMISSION
JLS:pp
RG DOE Historian (DBM)
Collection 1132
Box 3365
Folder 7
C 72

MEDICINE, HEALTH & SAFETY 3-1

DOE ARCHIVES

FROM:
Utah State Agricultural College
Le Grande, Dupe

TO:
Paul B. Pearson

CLASSIFICATION: POST OFFICE REG. NO.:

DESCRIPTION: (Must Be Unclassified)
Trouble in the sheep around the Cedar City

ENCLOSURES: 141

REMARKS:
C-71

1/24	3/7/54		
TR	MEMO:	REPORT:	OTHER:
X			
ORIG.:	CC:	OTHER:	
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REPLY NECESSARY ☐	DATE ANSWERED:	BY:	
NO REPLY NECESSARY ☐			
FILE CODE:			

REFERRED TO	DATE	RECEIVED BY	DATE
~~DV 1019~~			
Files	3/6/54		

U. S. ATOMIC ENERGY COMMISSION **MAIL CONTROL FORM** FORM AEC-3 (3-52)

U. S. Government Printing Office: 1953 - 274375

US DOE ARCHIVES
326 U.S. ATOMIC ENERGY COMMISSION

RG DOE HISTORIAN (OBM)
Collection 1132
Box 3365
Folder #7

DOE ARCHIVES

Doug Clark Jr.
April 21, 1954

Cedar City flock:

1700 ewes in flock, sheep in good flesh and receiving hay and corn. Wool crop good. Shed lambing but sanitary and management facilities somewhat unsatisfactory. 135% lamb crop to date. Lambs in good condition, 6-7 ewes have gone blind.

States: They are well pleased with results this year

Flock at Newcastle (coming off deseret) 2400 ewes in flock. Flock in deseret near Newcastle coming off the deseret and trailing to Cedar City for shearing and lambing. First of March the flock was moved into an area with apple brush.

March 10, 1954 a slight swelling occurred around mouth and lower nasal area. One to two days blisters appeared in this area. Blisters then peeled off and left red areas. Scabs formed in involved area. On April 21st healing was almost complete and wool growing back in alopecic areas. The tips of both ears of animals affected were identical in appearance as nasal and mouth lesions. The sheep were in poor to fair condition (flesh)

Morbidity rate:

20-25%
Yearlings- unaffected

3 years
4 years = ages affected
5 years
6 + years

Some of these sheep were affected and so me not affected which showed idiopathic lesions in 1953. Herder stated this flock has very poor winter range. Also said he had never seen anything like the present condition in 30 years of sheep herding.

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C-73

DOE ARCHIVES

Nelson Webster and Doug Corie April 22, 1954

2200 ewes

Sheep in Hamblin Valley

Range shearing and lambing to be in Hamblin Valley

Shearing out good

Sheep in better condition than have been in a long time

No disease problem to date

C-74

DOI ARCHIVES

Frank Lambeth and Sons April 22, 1954

Sheep wintered in Nevada and lambing

9 miles from Carp

No trouble to date

C-75

DOE ARCHIVES

Wesley Bauer
April 21, 1954

400 ewes

Sheep wintered with Richard Leigh's flock.

Started supplemental feeding 3 weeks before separating flocks- feed pellets consisting of barley, cottonseed meal and bone meal.

Feeding now 5 bales of hay a day and 100 lbs corn. Sheep appear in good flesh. A few younger ewes showed lacrimation (bilateral)

27 abortions- abortions in ewes of all ages- yearlings to one - twelve years old. Started aborting first of April. Abortions always occurred when twins with one fetus, almost mature and one very small fetus.

5% of flock had become involved with lesions around mouth and nose. Involved regions become reddened and slightly swollen. Scabs appeared in 4-5 days. Wool starting to grow back in alopecic areas. Those vaccinated last year for sore-muzzle showing lesions also around mouth and nose.

Suspect Vitamin A deficiency and possible contagious Ecthyma

Blood samples taken for vitamin A analysis

C-76

DOE ARCHIVES

Richard Leigh
April 21, 1954

500-700 ewes

Wintered west of Parowan and east of Lund

Sheep in fair condition, came off range March 20th. Feeding hay which was rained on when harvested and badly bleached.

Some ewes showed bilateral lacrimation, blindness and a few abortions.

Recommended the supplemental feeding of fish oils- Vitamin A deficiency suspected.

Samples of blood drawn for Vitamin A analysis

C-77

DOE ARCHIVES

Kenneth Middleton

April 21, 1954

670 ewes

Sheep in fair shape

Shed lambing- but pens and lambing conditions not of desirable nature.

Feeding very poor and bleached hay

Abortions and weak lambs, but exact number unknown. These abortions occurred only when twins and triplets.

Suspect vitamin A deficiency

Blood samples taken for vitamin A analysis

C-78

DOE ARCHIVES

College Flock
April 21, 1954

700 ewes

Ideal lambing and housing quarters and good flock management

Supplemental feeding

Ewes in good condition

Lambing 165%

C-79

DOE ARCHIVES

Myron Higbree and Adam Sigmiller

April 22, 1954

2200 ewes

Just approaching Iron Springs after trailing off the deseret.

Going to range shear and lambing

Sheep in good condition

Supplemented with 35 ton of corn and meal

Best year out there for along time- No disease problem, just alittle big head

One ewe in truck with incoordination and blindness

C-80

DOE ARCHIVES