

Animal Health Decisions

Making Animal Health Decisions To
Improve Production
And The Welfare Of Our Animals



Presented by
Dan Persons
Shearwell Data
Rafter P Ranch

Sponsored by
American Sheep
Industries Association
USDA



What Did Animals Die From?

▶ Lamb Losses In Order of Numbers

- ▶ Still Born - 65
- ▶ Starve
- ▶ Pneumonia
- ▶ Type C Clostridial
- ▶ Died Before Tagging
- ▶ Weak/Starve
- ▶ Injury
- ▶ Unknown
- ▶ Navel Ill - 6

▶ Ewe Losses In Order of Numbers

- ▶ Pneumonia - 13
- ▶ Weak/Starve
- ▶ Downer
- ▶ Difficult Birth
- ▶ Unknown
- ▶ Infection
- ▶ Belly Rupture - 1

What Problems Did We Treat For?

▶ 2022 Lamb Crop

- ▶ Foot Scald
- ▶ Pneumonia
- ▶ Type C Clostridial
- ▶ Infections
- ▶ Injuries
- ▶ Starvation

▶ 2022 Ewes

- ▶ Abortion Agents
- ▶ Foot Scald
- ▶ Pneumonia
- ▶ Infections
- ▶ Mastitis
- ▶ Worms/parasites

How Do We Shrink The Lists

| | |
|---------|--|
| Find | Find appropriate and effective vaccines |
| Modify | Modify the environment of the animals |
| Study | Study the genetic differences in the flock |
| Use | Use appropriate culling |
| Manage | Manage animal nutrition |
| Reduce | Reduce animal stress |
| Choose | Choose treatments wisely |
| Examine | Examine death losses to determine cause |

Treatment Summary

Veterinary Medicine Administration Summary for all the animals in the grid Animals with any number of treatments between 2/1/2023 and 2/28/2023

Owner: Dan Persons
Holding Number: Persons
Holding Name: Rafter P Ranch
Date Printed: 4/2/2023

| Treatment End Dates | Withdrawal Dates (and Days) | | | | Dosage | Treatments |
|-----------------------------|-----------------------------|------|-----------|-----|----------------|--|
| | Meat | | Milk | | | |
| 2/9/2023 | 3/11/2023 | (30) | 2/9/2023 | (0) | 9 Millilitres | 1 animal treated for foot scald with LA200 |
| 2/10/2023 | 3/12/2023 | (30) | 2/10/2023 | (0) | 10 Millilitres | 1 animal treated for infection with LA200 |
| 2/11/2023 | 3/13/2023 | (30) | 2/11/2023 | (0) | 5 Millilitres | 5 animals treated for pnunomia with LA200 |
| 2/11/2023 | 3/14/2023 | (31) | 2/11/2023 | (0) | 4 Millilitres | 2 animals treated for infection with Pen & Strep Suspension for Injection |
| 2/12/2023 | 3/15/2023 | (31) | 2/12/2023 | (0) | 2 Millilitres | 2 animals treated for injury with Pen & Strep Suspension for Injection |
| 2/12/2023 | 3/13/2023 | (29) | 2/12/2023 | (0) | 4 Millilitres | 1 animal treated for foot scald with Zactran 150 mg/ml Solution for Injection for cattle, sheep and pigs |
| 2/13/2023 | 3/15/2023 | (30) | 2/13/2023 | (0) | 9 Millilitres | 1 animal treated for pnunomia with LA200 |
| 2/14/2023 | 3/16/2023 | (30) | 2/14/2023 | (0) | 4 Millilitres | 4 animals treated for pnunomia with LA200 |
| 2/16/2023 | 3/18/2023 | (30) | 2/16/2023 | (0) | 1 Millilitres | 1 animal treated for broken leg with LA200 |
| 2/16/2023 | 3/18/2023 | (30) | 2/16/2023 | (0) | 1 Millilitres | 1 animal treated for pnunomia with LA200 |
| 2/25/2023 | 3/27/2023 | (30) | 2/25/2023 | (0) | 4 Millilitres | 2 animals treated for pnunomia with LA200 |
| Total treatments: 21 | | | | | | |

Finding Chronic Repeat Animals

**Veterinary Medicine Administration Record for all the animals in the grid filtered by Ewes
Animals with 3 or more treatments, treatment reason filtered by 'scald'**

**Owner: Dan Persons
Holding Number: Persons
Holding Name: Rafter P Ranch
Date Printed: 4/2/2023**

| Tag Number | Date of Birth | Age | Current Location | Treatment Administered | Treatment Start | Treatment End | DosageUnit | Treatment Reason | Cost |
|--|---------------|-----|------------------|--|-----------------|---------------|------------------|------------------|-------|
| Total treatments for this animal: | | | 3 | Total cost for this animal: | | £18.00 | | | |
| 8400032698 05148 | 2/7/2016 | 85m | On farm | Zuprevo 180 mg/ml Solution for Injection for Cattle | 8/9/2018 | 8/9/2018 | 1.50 Millilitres | Foot Scald | £5.40 |
| 8400032698 05148 | | | | Zuprevo 180mg inj | 7/9/2019 | 7/9/2019 | 2.00 Millilitres | Foot Scald | £7.20 |
| 8400032698 05148 | | | | Zacran 150 mg/ml Solution for Injection for cattle, sheep and pigs | 10/2/2020 | 10/2/2020 | 3.00 Millilitres | Foot Scald | £6.00 |
| Total treatments for this animal: | | | 3 | Total cost for this animal: | | £18.60 | | | |
| 0031269 65677 | 2/9/2016 | 85m | On farm | Zacran 150 mg/ml Solution for Injection for Cattle | 8/8/2017 | 8/8/2017 | 3.00 Millilitres | Foot Scald | £2.20 |
| 0031269 65677 | | | | Zuprevo 180 mg/ml Solution for Injection for Cattle | 8/9/2018 | 8/9/2018 | 1.50 Millilitres | Foot Scald | £5.40 |
| 0031269 65677 | | | | Zacran 150 mg/ml Solution for Injection for cattle, sheep and pigs | 10/2/2020 | 10/2/2020 | 3.00 Millilitres | Foot Scald | £6.00 |
| 0031269 65677 | | | | Zacran 150 mg/ml Solution for Injection for cattle, sheep and pigs | 11/6/2021 | 11/6/2021 | 3.00 Millilitres | Foot Scald | £6.00 |
| Total treatments for this animal: | | | 4 | Total cost for this animal: | | £19.60 | | | |

Reasons For Recording Antibiotic Use

Government Regulation

Antibiotic Free Protocols

Correlation With Death Losses

Tracking Common Illnesses

Tracking Withdrawal Dates

What Needs To Be Recorded?

Animal Number

Date of Treatment

Person Treating Animal

Reason For Treatment

Drug Used

Dose Administrated

Withdrawal Date

What Else Should be Recorded

Where the
Drug was
Obtained

Lot number
of the drug

Expiration
Date of the
Drug

Common Record Keeping Methods

Pocket
Notebook

Ear
Notching
and Tagging

Paint
Branding

Electronic
Records

Pocket Notebook

- ▶ Must record all needed information
- ▶ Simple to use
- ▶ Must keep the record available for long term
- ▶ Difficult to analyze information
- ▶ Difficult to find an individual record

Ear Notching or Tagging

- ▶ Does not satisfy the written record keeping regulations
- ▶ Notching is a permanent record that animal was treated
- ▶ The notch or tag does not, by itself, have the record of the drug used or the withdrawal dates.
- ▶ Useful for Antibiotic Free protocols to mark treated animals.



Paint Marking

- ▶ Temporary at best
- ▶ Does not, by itself, satisfy written record requirements

Electronic Records

- ▶ Satisfies written record requirements
- ▶ Makes information retrieval easier
- ▶ Ties drug, ear tags, withdrawal, treatment reasons together
- ▶ RFID makes data capture easier
- ▶ Treatment remains part of the animal's lifetime record
- ▶ Can begin to tie treatments, genetics, death losses and management decisions together

Medicines On Hand

Medicines Currently in Lockup

| Name | Batch | Amount | Unit | Date Purchased | Expiry Date | Cost |
|---|-----------|--------|-------------|----------------|-------------|------------|
| Ceftiflex 4gr | FP005-14 | 50 | Millilitres | 6/1/2015 | 5/1/2016 | \$25.00 |
| Ivomec Classic Injection for Cattle and Sheep (Ivermectin) | 1 | 185 | Millilitres | 4/12/2017 | 5/1/2018 | \$1,000.00 |
| LA200 | 191071 | 38.5 | Millilitres | 2/14/2021 | 6/1/2021 | \$55.00 |
| Noromectin 1% w/v Multi Injection Solution for Injection | 600A | 1000 | Millilitres | 8/7/2019 | 11/1/2021 | \$200.00 |
| NuFlor | 220 | 92 | Millilitres | 3/1/2021 | 3/1/2022 | \$75.00 |
| Panacur 10% Oral Suspension | E551A01 | 501.7 | Millilitres | 12/12/2016 | 1/1/2019 | \$300.00 |
| Pen & Strep Suspension for Injection | 2-11-2023 | 184 | Millilitres | 2/11/2023 | 2/1/2024 | \$60.00 |
| Spectam Scour Halt Oral Solution 50 mg/ml | 77650027 | 874 | Millilitres | 1/6/2012 | 10/1/2012 | \$26.00 |
| Zactran 150 mg/ml Solution for Injection for cattle, sheep and pigs | 1-15-2023 | 393.5 | Millilitres | 1/15/2023 | 2/1/2024 | \$1,000.00 |

You have no current valid farm assurance scheme membership. Select one from the list below to view the assurance standards of that scheme.

Medicine partly used - you can only change the supplier an

Supplier:

Date Purchased:

Date Expires:

Batch Number:

Amount Purchased: Cost:

Show non-empty medicines only

Show all medicines

Recording In Handheld Recorder

NAUTIZ X6

Sheep Procedures

| | |
|------------|-----------|
| Weighing | Lambing |
| Treatments | Fostering |
| Movement | Death |
| Purchase | Sale |
| Esc | More... |

Treatment

Date: 3/22/2023

Drug: LA200
Batch number: 191071

Dose: 9 Millilitres

Reason: Pnumonia

Treator: dan

Tag: 0031269 57620

Count: 2

Esc Save

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| . | 0 | ✓ |

Movements

Date: 4/2/2023

Move To: Private Sale

Tag: 0031269 57620

Location (prior to move): Rafter P Ranch

Count: 0

Esc Save

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| . | 0 | ✓ |

Withdrawal

Warning: Animal in withdrawal until 4/21/2023

Continue with the move?
(Select 'Yes to All' to ignore all withdrawal warnings for this movement).

Yes No Yes To All

Manual Recording Into Software

Treatment

Start Date: 4/2/2023 End Date: 4/2/2023 Problem being treated: Pnumonia Add new ailment

Number of animals selected in grid: 1 out of 1375

| Type | Flock No. | Ear Tag | Mgt Tag | Breed | Sex | Date of Birth | Age |
|--|-----------|---------|---------|---------------------|-----|---------------|-----|
| <input type="checkbox"/> Rams | 0031269 | 57620 | 15164 | Home Raised X WF | Ewe | 1/31/2015 | 98m |
| <input type="checkbox"/> Wethers | 0031269 | 57785 | 15063 | GM1 Carrier | Ewe | 2/7/2015 | 97m |
| <input type="checkbox"/> Ewes | 0031269 | 57946 | 15185 | FxDxWF | Ewe | 2/26/2015 | 97m |
| <input type="checkbox"/> Ewe Lambs | 0031269 | 58115 | 15081 | Home Raised X WF | Ewe | 3/1/2015 | 97m |
| <input type="checkbox"/> Breeding | 0031269 | 58192 | 15246 | Polypay X Whiteface | Ewe | 3/2/2015 | 97m |
| <input type="checkbox"/> Non-Breeding | 0031269 | 65588 | 16152 | FxDxWF | Ewe | 2/7/2016 | 85m |
| <input checked="" type="checkbox"/> Tag Search | 0031269 | 65649 | 16180 | Home Raised X WF | Ewe | 2/8/2016 | 85m |
| <input type="checkbox"/> By Mgt Tag | 0031269 | 65677 | 16021 | FxDxWF | Ewe | 2/9/2016 | 85m |
| <input type="checkbox"/> Select All | 0031269 | 66116 | 16116 | Polypay X Whiteface | Ewe | 2/9/2016 | 85m |
| | 0031269 | 66161 | 16240 | Polypay X Whiteface | Ewe | 2/10/2016 | 85m |
| | 0031269 | 66170 | 16125 | FxDxWF | Ewe | 2/9/2016 | 85m |
| | 0031269 | 66178 | 16104 | Polypay X Whiteface | Ewe | 2/9/2016 | 85m |
| | 0031269 | 66250 | 16185 | Home Raised X WF | Ewe | 2/12/2016 | 85m |
| | 0031269 | 66254 | 16121 | Polypay X Whiteface | Ewe | 2/12/2016 | 85m |
| | 0031269 | 66274 | 16190 | Polypay X Whiteface | Ewe | 2/11/2016 | 85m |
| | 0031269 | 66311 | 16085 | Polypay X Whiteface | Ewe | 3/2/2016 | 85m |
| | 0031269 | 66321 | 16100 | Polypay X Whiteface | Ewe | 3/3/2016 | 84m |
| | 0031269 | 66323 | 16062 | FxDxWF | Ewe | 3/3/2016 | 84m |
| | 0031269 | 66324 | 16060 | Polypay X Whiteface | Ewe | 3/2/2016 | 84m |

Filter by: Mgt Group Select all Breed Select all Location Select all Birth Year Select all

Medicine

| Name | Batch | Amount | Unit | Date Purchased | Expiry Date | Cost |
|---|-----------|--------|-------------|----------------|-------------|------------|
| Ceftiflex 4gr | FP005-14 | 50 | Millilitres | 6/1/2015 | 5/1/2016 | \$25.00 |
| Ivomec Classic Injection for Cattle and Sheep (Ivermectin) | 1 | 185 | Millilitres | 4/12/2017 | 5/1/2018 | \$1,000.00 |
| LA200 | 191071 | 38.5 | Millilitres | 2/14/2021 | 6/1/2021 | \$55.00 |
| Noromectin 1% w/v Multi Injection Solution for Injection | 600A | 1000 | Millilitres | 8/7/2019 | 11/1/2021 | \$200.00 |
| NuFlor | 220 | 92 | Millilitres | 3/1/2021 | 3/1/2022 | \$75.00 |
| Panacur 10% Oral Suspension | E551A01 | 501.7 | Millilitres | 12/12/2016 | 1/1/2019 | \$300.00 |
| Pen & Strep Suspension for Injection | 2-11-2023 | 184 | Millilitres | 2/11/2023 | 2/1/2024 | \$60.00 |
| Spectam Scour Halt Oral Solution 50 mg/ml | 77650027 | 874 | Millilitres | 1/6/2012 | 10/1/2012 | \$26.00 |
| Zactran 150 mg/ml Solution for Injection for cattle, sheep and pigs | 1-15-2023 | 393.5 | Millilitres | 1/15/2023 | 2/1/2024 | \$1,000.00 |

 **You have no current valid farm assurance scheme membership. Select one from the list below to view the assurance standards of that scheme.**

Total amount per animal - you can use fractions (e.g. 1/3 or 2/3 or 4/3 etc.) if appropriate: 9 Millilitres

Administered by: Darl

Clear data input OK/Save Cancel/Exit

[Purchase More Medicines](#)

Individual Treatment Record

Veterinary Medicine Administration Record for all the animals in the grid
Animals with any number of treatments between 2/1/2023 and 2/28/2023

Owner: Dan Persons
Holding Number: Persons
Holding Name: Rafter P Ranch
Date Printed: 4/2/2023

| Tag Number | Treatment Administered | Dosage Unit | Batch Number | Expiry Date | Treatment Start | Treatment End | Withdrawal Date Meat | Withdrawal Date Milk | Given By | Supplier | Treatment Reason | Cost |
|------------------|---|-------------------|--------------|-------------|-----------------|---------------|----------------------|----------------------|----------|------------|------------------|-------|
| 8400032491 02776 | (Management tag: Y21012) LA200 | 1.00 Millilitres | 191071 | 6/1/2021 | 2/16/2023 | 2/16/2023 | 3/18/2023 | 2/16/2023 | d | Nordic Vet | broken leg | £0.11 |
| 0031346 06417 | (Management tag: 17014) LA200 | 9.00 Millilitres | 191071 | 6/1/2021 | 2/9/2023 | 2/9/2023 | 3/11/2023 | 2/9/2023 | d | Nordic Vet | Foot Scald | £0.99 |
| 0031495 17949 | Zactran 150 mg/ml Solution for Injection for cattle, sheep and pigs | 4.00 Millilitres | 1-15-2023 | 2/1/2024 | 2/12/2023 | 2/12/2023 | 3/13/2023 | 2/12/2023 | d | Nordic Vet | Foot Scald | £8.00 |
| 8400032151 50982 | (Management tag: 20444) LA200 | 10.00 Millilitres | 191071 | 6/1/2021 | 2/10/2023 | 2/10/2023 | 3/12/2023 | 2/10/2023 | d | Nordic Vet | Infection | £1.10 |
| 8400032675 03749 | (Management tag: 21082) Pen & Strep Suspension for Injection | 2.00 Millilitres | 01a | 3/1/2022 | 2/11/2023 | 2/11/2023 | 3/14/2023 | 2/11/2023 | d | Nordic Vet | Infection | £0.40 |
| 8400032675 03783 | (Management tag: 21087) Pen & Strep Suspension for Injection | 2.00 Millilitres | 01a | 3/1/2022 | 2/11/2023 | 2/11/2023 | 3/14/2023 | 2/11/2023 | d | Nordic Vet | Infection | £0.40 |

Withdrawal Dates

Report for Sheep in Meat Withdrawal on 4/2/2023

Owner: Dan Persons
Holding Number: Persons
Holding Name: Rafter P Ranch
Date Printed: 4/2/2023

| Tag Number | Mgt. Tag | Sex | Age | Medicine Used | Withdrawal Date for Meat |
|------------------|----------|----------|--------|--------------------------------------|--------------------------|
| 8400032491 02818 | | Wether | 52d | Pen & Strep Suspension for Injection | 4/4/2023 |
| 8400032698 04801 | | Wether | 26d | LA200 | 4/6/2023 |
| 0031362 37188 | 17663 | Ewe | 2,006d | LA200 | 4/6/2023 |
| 8400032698 04806 | | Wether | 25d | Pen & Strep Suspension for Injection | 4/9/2023 |
| 0031495 17603 | 19074 | Ewe | 1,534d | LA200 | 4/11/2023 |
| 8400032698 04816 | | Wether | 28d | LA200 | 4/13/2023 |
| 8400032698 04639 | | Ewe lamb | 8d | LA200 | 4/25/2023 |

Total animals: 7

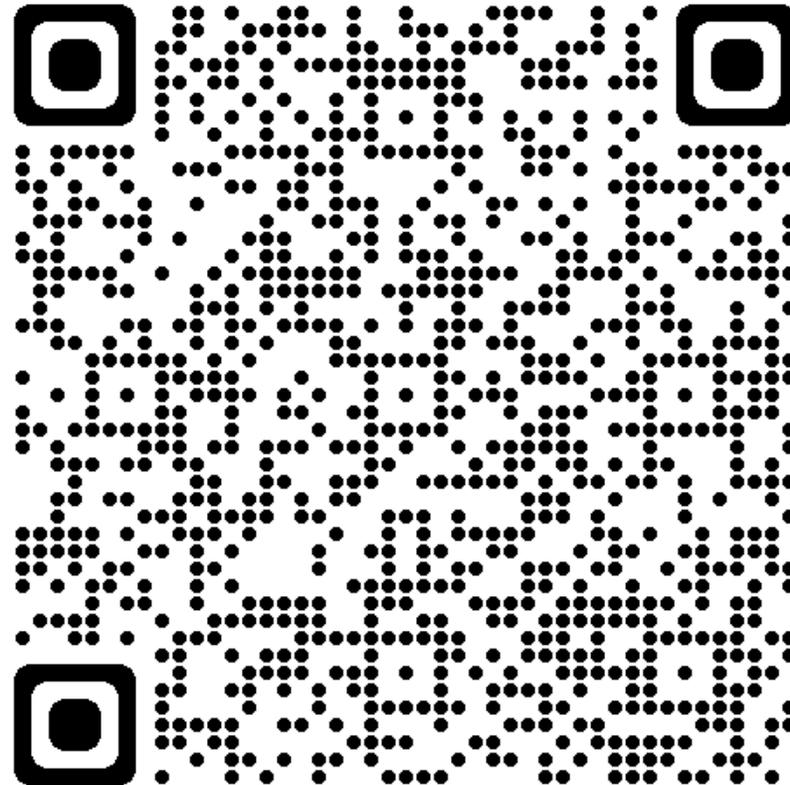
RFID Scrapie approved

- Also Referred to as RFID 840 tag
- Must have a Scrapie Flock Number
- Must have a National Premise Number
- The 840 Scrapie tag will have the 15 digit RFID number printed on it
- The RFID number must start with 840
- The RFID number will be linked to your Scrapie Flock Number in USDA
- Producer cannot choose what RFID numbers they get.



Purchasing 840 RFID tags

- ▶ Must order through an approved vendor
- ▶ QR to the right will lead you to the USDA
- ▶ Must supply your Scrapie Flock Number
- ▶ Must supply your national Premise Number
- ▶ The Flock Number and Premise Number must be linked together by the USDA databases - can take some time
- ▶ Several colors possible but generally not Blue



Moving Forward

- ▶ Regulations may dictate what we have to do but management determines the value of the records we keep.
- ▶ Make the records more than a historical document and use them to improve management, profit and risk profile.



Thank You

- ▶ This project was made possible, in part, by a Cooperative Agreement from the USDA's Animal and Plant Health Inspection Service (APHIS). It may not necessarily express APHIS' views