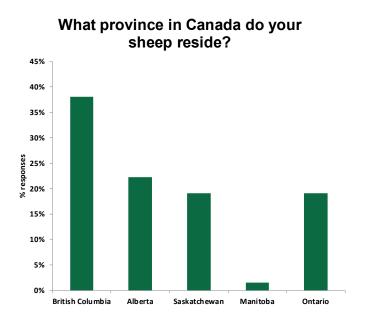
Sheep Producer Survey on Lameness

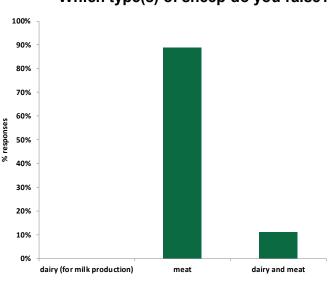
Contagious footrot is a bacterial infection common in sheep and goats that is caused by bacteria that live in the soil. The most commonly associated bacteria with ovine/caprine footrot are *Fusobacterium necrophorum* and *Dichelobacter nodosus*.

With the support of the Alberta Lamb Producers, we conducted a national survey to assess the importance of footrot disease in the sheep and goat livestock industries. We also assessed producer, producer organizations, and veterinarian willingness to support research for a Canadian-based footrot bacterin vaccine that would incorporate recent Canadian *F. necrophorum* and *D. nodosus* isolates.



PRODUCER SURVEY: 63 RESPONDENTS

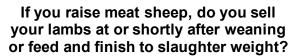


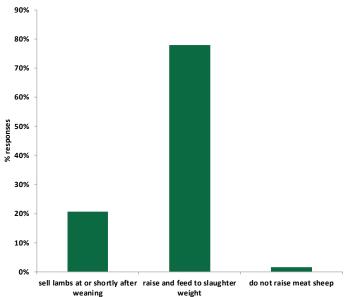


Which type(s) of sheep do you raise?

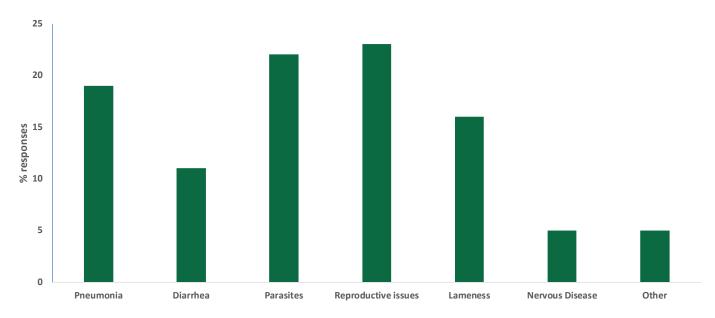






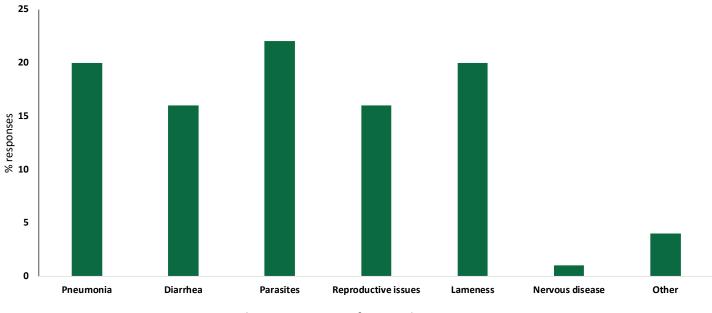


TOP 3 DISEASES OF CONCERN TO SHEEP PRODUCERS:



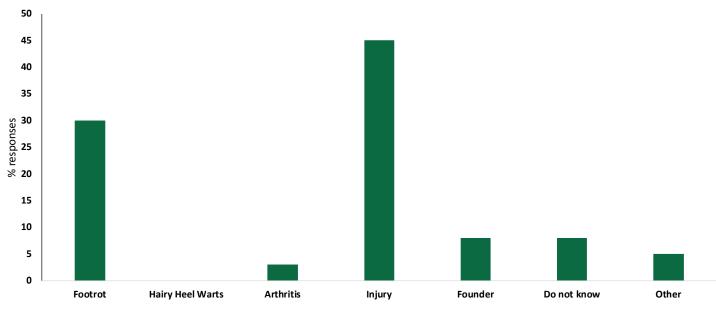
Other = mastitis, injuries, metabolic diseases, mineral deficiencies, caseous lymphadenitis, Orf

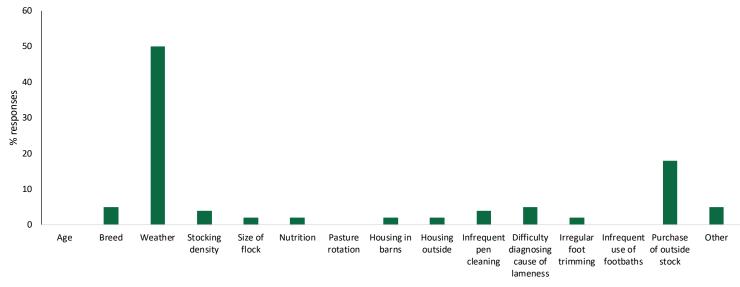
TOP 3 DISEASES WHERE ANTIMICROBIALS MOST COMMONLY USED IN SHEEP FLOCKS:



Other = mastitis, Orf, wounds

MOST COMMON CAUSE OF LAMENESS AS DIAGNOSED BY SHEEP PRODUCERS:



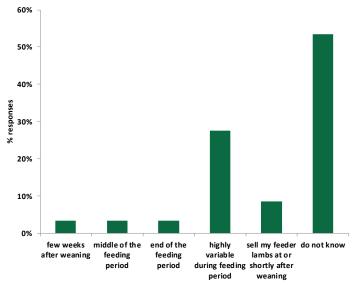


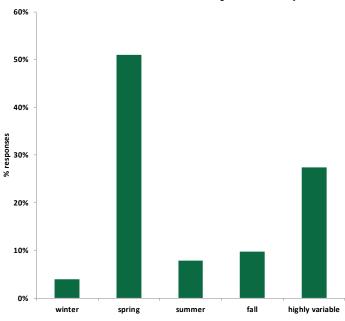
MOST IMPORTANT RISK FACTORS FOR FOOTROT:

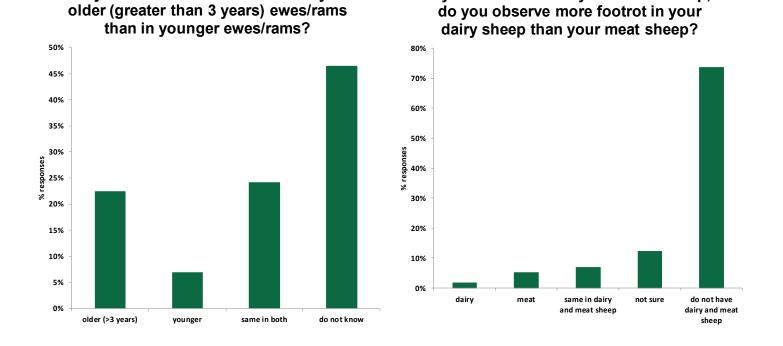


What season do you most commonly observe footrot issues in your sheep?

When after weaning, is footrot most commonly observed in your feeder lambs?



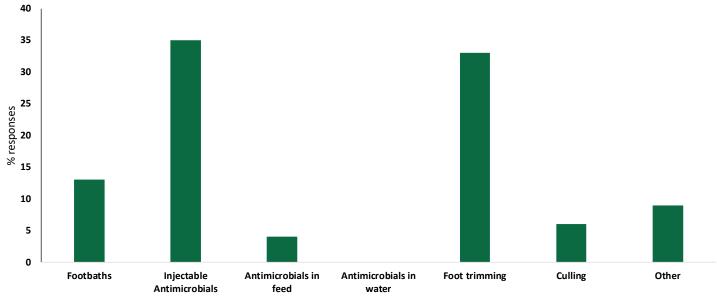




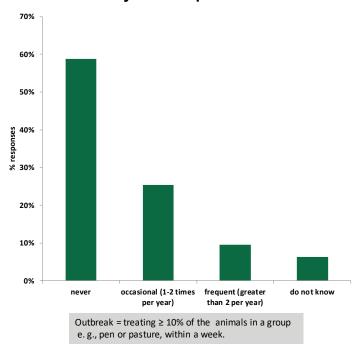
If you have both dairy and meat sheep,

Do you see footrot more commonly in

WHAT IS THE MOST EFFECTIVE TREATMENT FOR FOOTROT IN YOUR HERD?:

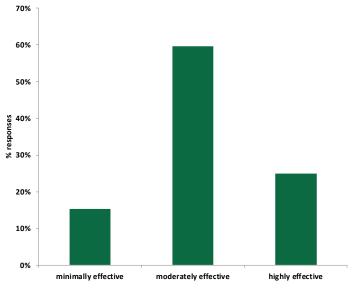


Other = anti-inflammatories, foot wrap, segregation, clean facilities, weather < 10C



How common are outbreaks of footrot in your sheep flock?

How effective do you think antimicrobials are to treat footrot in your sheep?



FOOTROT DISEASE INCIDENCE:

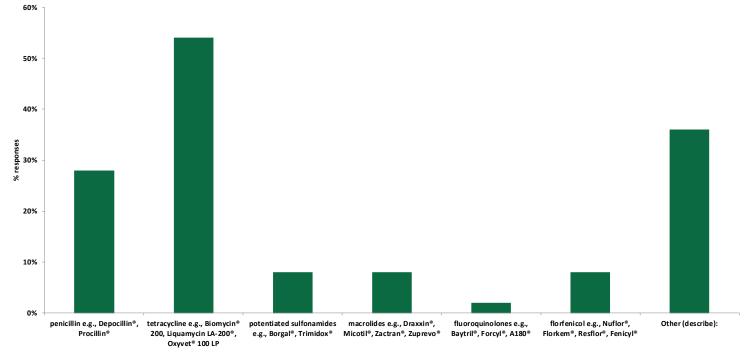
- Breeding ewes: 7% (max: 90%)
- Breeding rams: 7% (max: 100%)
- Pre-weaned lambs: 1% (max: 15%)
- Post-weaned lambs: 5% (max: 100%)
- 6% of producers did not know

AVERAGE CULLING RATE: 1%; although 8% of flocks culled 1% to 20% of ewes/rams for footrot; 14% of producers did not know

MORTALITY RATE (median): 0% (10% of producers did not know)

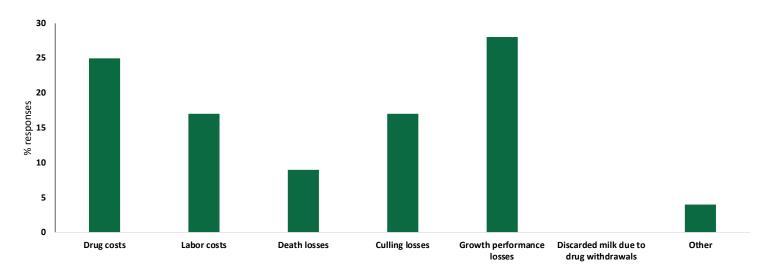


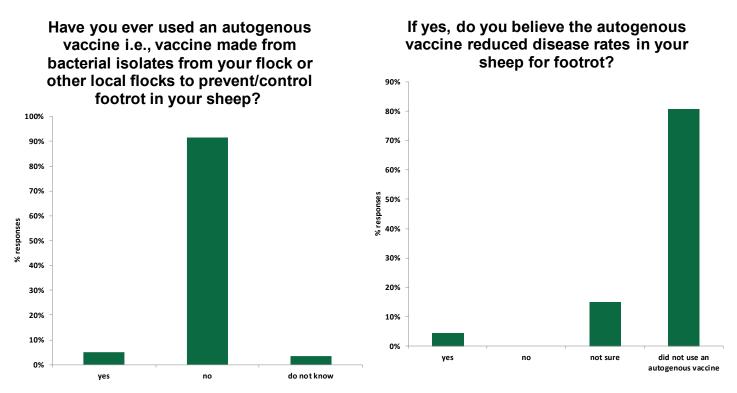
DURING THE LAST YEAR, WHAT ANTIMICROBIALS DID YOU USE TO TREAT FOOTROT IN YOUR SHEEP?:



Other = hydrogen peroxide, copper spray, poultice clay wrap, didn't treat any

MOST IMPORTANT ECONOMIC LOSSES FROM FOOTROT:

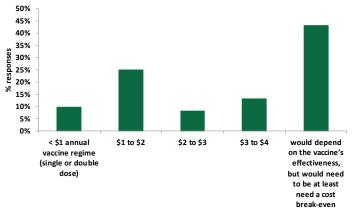




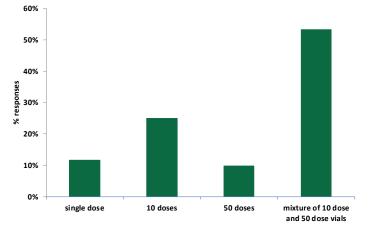
4% of producers used the bovine footrot vaccine (Fusogard™) and thought it helped reduce footrot

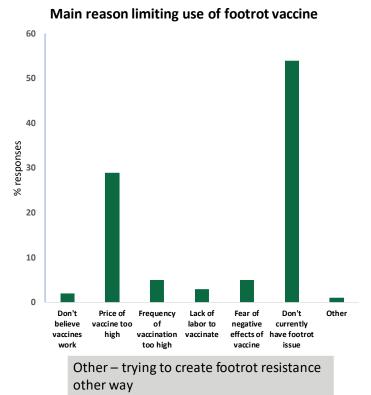
VACCINE PRODUCTION:

What is the maximum annual price per head that would be cost-effective for you to pay for a footrot vaccine for your sheep?

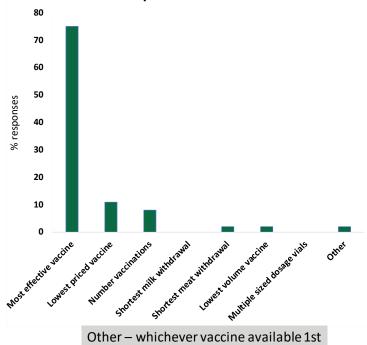


What size of dosage vials of footrot vaccine would work best for your sheep operation based on the size of your flock?

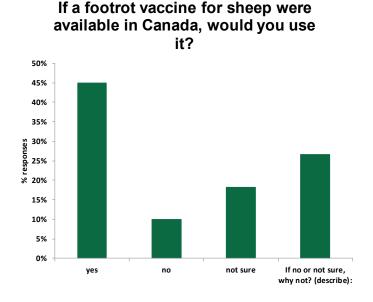




If a choice between imported footrot vaccine or Canadian footrot vaccine, what would you base your decision on?



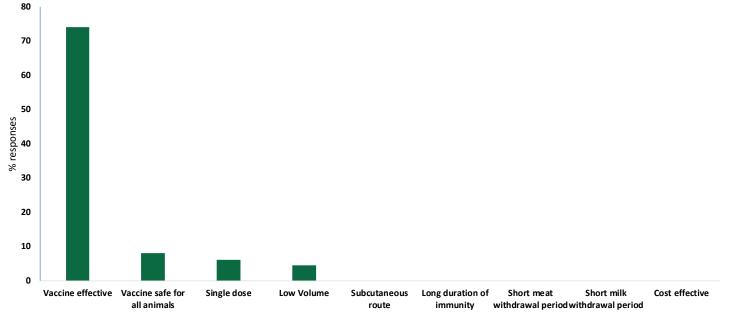
CANADIAN FOOTROT VACCINE:



REASONS IF NO OR NOT SURE:

- Don't have a footrot issue
- Would use it if I got a footrot problem
- Would depend on the cost of the vaccine
- Would depend if literature indicates vaccine effective
- We cull heavily for footrot, so our flock has good feet
- Only have a few cases

CANADIAN FOOTROT VACCINE ATTRIBUTES VALUED BY SHEEP PRODUCERS:



PROJECT TEAM:

- Dr. Jose Perez-Casal
- Dr. Joyce Van Donkersgoed
- Dr. Karen Schwartzkopf-Genswein

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- Participating sheep producers
- Canadian Animal Health Surveillance System
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