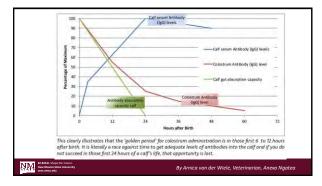


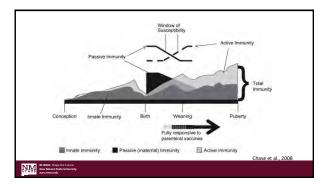
Health Starts at Birth

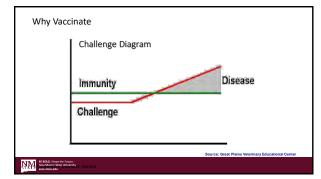


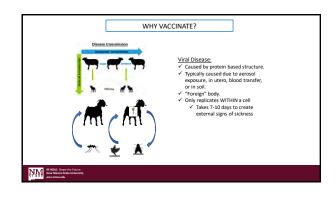
- Colostrum is the first immune defense for new born animals.
- Must be ingested within the first 24 hours of life.
- If calves/lambs do not receive adequate levels of colostrum, survival is unlikely.
- A dam's nutritional status is directly correlated to colostrum quality and quantity.
   Thin animals produce less and lower quality colostrum

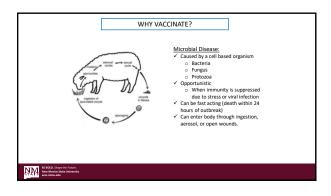
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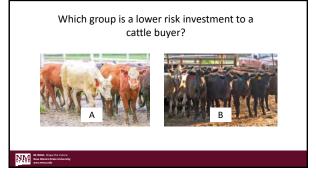
Step 1.

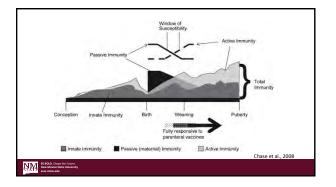


Consult with your veterinarian to see if new/better/more appropriate products are recommended at branding

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# Boost Immunity at the First Opportunity



• A consistent and effective health management program starts when calves are first handled.

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## Viral protection



### Respiratory Disease ✓Typically caused by viruses

✓ Calves – Modified live vaccine (labeled safe for cows) for respiratory disease.





# Animal Handling • Quiet Slow Less people Facilities • Less "tools" ŅМ

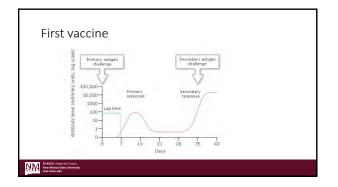
### Weaning



- Most stressful time for a calf
- Increased risk of sickness
- Best opportunity to boost immunity
- Pay day (?)

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# 3



Don't Forget the Cows and Bulls!



- Booster annually with BOTH clostridials and viral vaccines to cows and bulls.
- Establishing immunity in heifers is the first step.
- More and more products are labeled safe for pregnant cows.
- The immune health of the cow can be transferred to the fetus.

 Accinated at branding

 Image: Accinate at branding

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### Sheep vaccine management

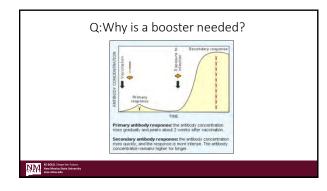


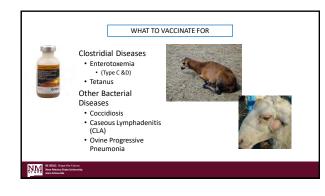
- Different than cattle.
  Different diseases
  - Different stages of productionDifferent timing
- Reasons are the same...

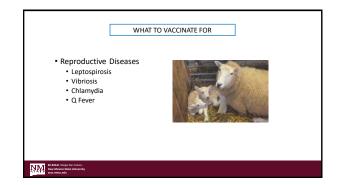
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### Scrapie Disease

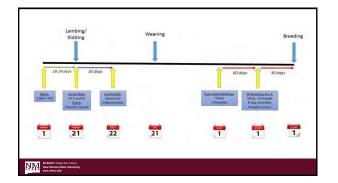
- Prion Disease
- Affects both sheep and goats
- No vaccine
- Testing mandates
- Veterinary issued
- Fatal degenerative neurological disease

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	Pre Breeding (Aug-Sept)	Breeding (Oct – Nov)	Pre-Lambing (Jan-Feb)	Lambing (Feb-Mar)	Lact./Wean (Apr-May)	Post Wean (May-July)
Nutrition	Increase Nutrition		Grain ewes (1/2-1lbs/100lbs BW)	Grain ewes (1-2lbs/100lbs BW)	Creep Feed Lambs Grain ewes as needed	BCS Ewes Feed lambs for market
Wormer	Deworm			Deworm	Deworm Lambs	
Vaccine	Ewes/Rams - Vibrio		Ewes/Rams – Enterotoxemia, Clostridium Perfringes C&D, Tetatnus (8 Way)		Lambs – Enterotoxemia Clostridium Perfringes C&D, Tetatnus (8 Way)	
Reproduction	Breed Soundness of Rams	Breed Ewe Lambs AFTER ewes				
Wormer Tip: Avoid products, to reduce			te regularly with oth e.	er		

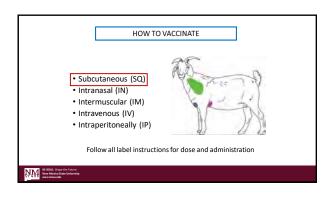














### In Summary

- Immunity starts in utero keep dams current on their vaccinations
- Boosted at birth
  - Calves/lambs can't survive without colostrum
  - Dam's body condition impact both colostrum quality and quantity
- Modified live vaccines should be used for calves (at branding) for optimal protection against viral disease.
- The boosters given at weaning further the immune response for the calf.
- · Stress can have a negative impact on health and vaccine effectiveness

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### In Summary

- Sheep are susceptible to other diseases not covered by tradition cattle vaccines.
- Sheep vaccine protocols are tied to stage of production.
- All vaccines must be managed properly in order to be effective.
   Consistent cool temperatures, darkness
- Smallest dose vaccine options and smaller gauge needle to reduce injection site blemishes.
- Consult with your veterinarian at least once a year to get the most up to date information on vaccine protocols.



THANK YOU! Marcy Ward, Extension Livestock Specialist <u>maward@nmsu.edu</u> 575-644-3379

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