



# THE "UDDER" DIFFERENCE

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USDA STUDY STATED THAT 30% OF  
EWES HAVE HAD AN UDDER INFECTION



# OPTIMAL LIVESTOCK MASTITIS SURVEY\*

- 49 Responses from 20 states
  - By state
    - Colorado: 9 responses
    - California: 7 responses
  - By flock
    - Farm flock: 37 (76%)
    - Range flock: 12 (24%)
  - Do any of your ewes get mastitis?
    - Yes: 43 (88%)
    - No: 6 (12%)



\*Spring 2010

# Positive Mastitis Responses

- Flock type
  - Farm flock: 31 (84%)
  - Range flock: 12 (100%)
- Flock size
  - 1-49: 13 out of 18 (72%)
  - 50-99: 7 out of 7 (100%)
  - 100-499: 14 out of 15 (93%)
  - 500-4999: 6 out of 6 (100%)
  - 5000+: 3 out of 3 (100%)



# Mastitis Survey Results

- On average, 18 ewes/flock/year with mastitis
- On average, 70% are treated at an average cost of \$10 per ewe
- On average, 78% are “lost from production”
- On average, 83% are culled
- On average, 17% die
- Annual treatment expenses: \$131/producer
- Death loss expense: \$510/producer

# Mastitis Impact on Lamb Crop Value

(Assumptions: 125% Weaning; 75 lb. lambs)

Q15: Estimate the impact mastitis has on your lamb crop in terms of pounds weaned/year.	1-49	50-99	100-499	500-4,999	5000+
No impact	2	0	2	0	0
0.1% to 1.99% decrease	7	4	7	3	1
2.0% to 4.99% decrease	4	2	3	2	2
5.0% to 9.99% decrease	1	1	1	0	0
10% + decrease	1	0	2	1	0
Total pounds lost	1020	1301	15469	64453	56250
Total value (@ \$2/cwt.)	\$2,039	\$2,602	\$30,938	\$128,906	\$112,500
Average value lost per producer	\$136	\$372	\$2,063	\$21,484	\$37,500



## INFECTIOUS AGENTS

*Mannheimia haemolytica*

*Staphylococcus aureus*

*Streptococcus species*

*E. coli*

*Ovine Progressive  
Pneumonia Virus*

# TYPES OF MASTITIS

SUBACUTE

ACUTE

GANGRENOUS

HARD BAG

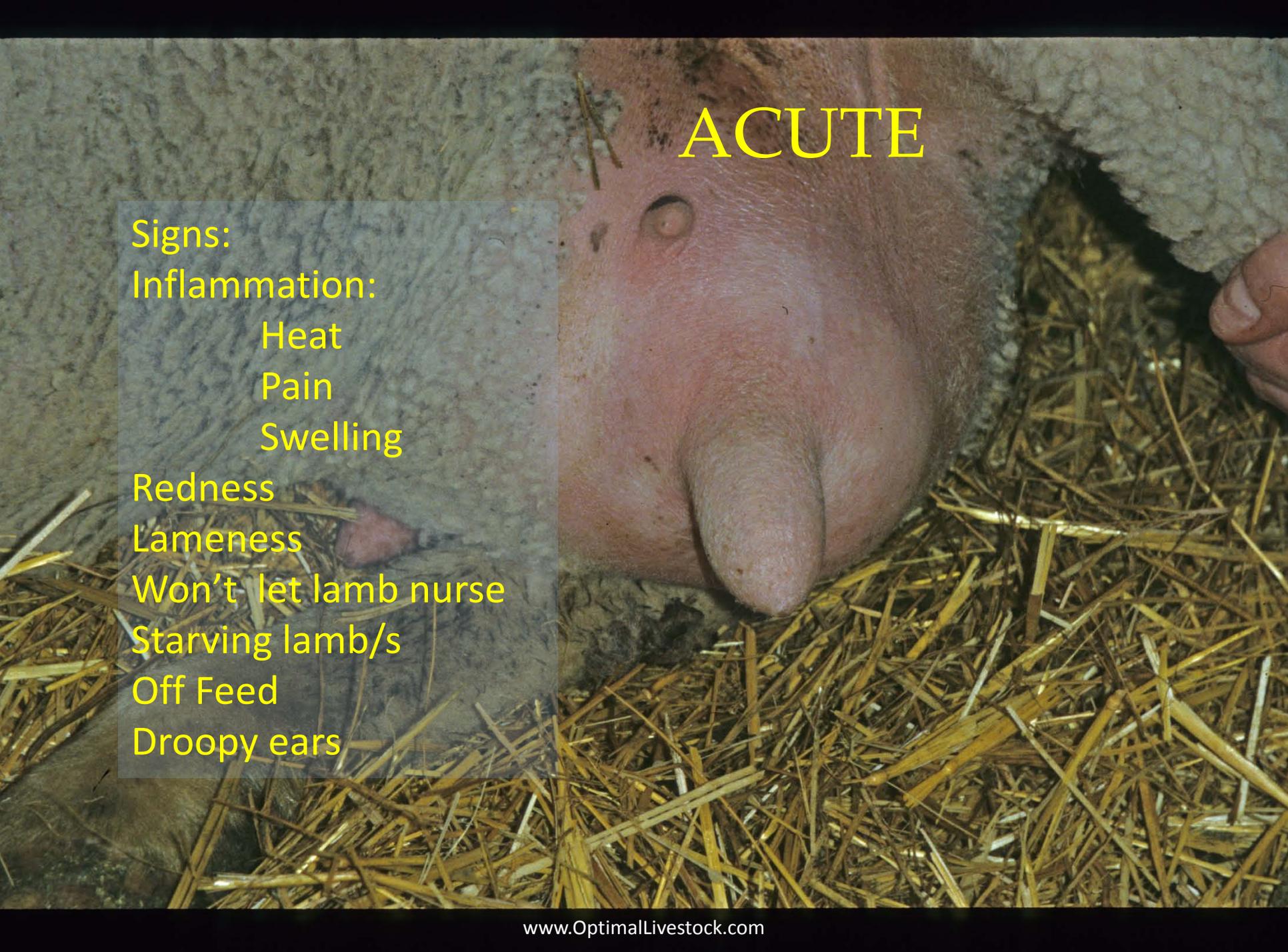
TRAUMATIC

# SUBACUTE / NON-CLINICAL / SUBCLINICAL



Changes in milk  
Healthy appearing ewe

# ACUTE



Signs:

Inflammation:

Heat

Pain

Swelling

Redness

Lameness

Won't let lamb nurse

Starving lamb/s

Off Feed

Droopy ears



**GANGRENOUS  
MASTITIS  
OR  
BLUE BAG**

# HARDBAG

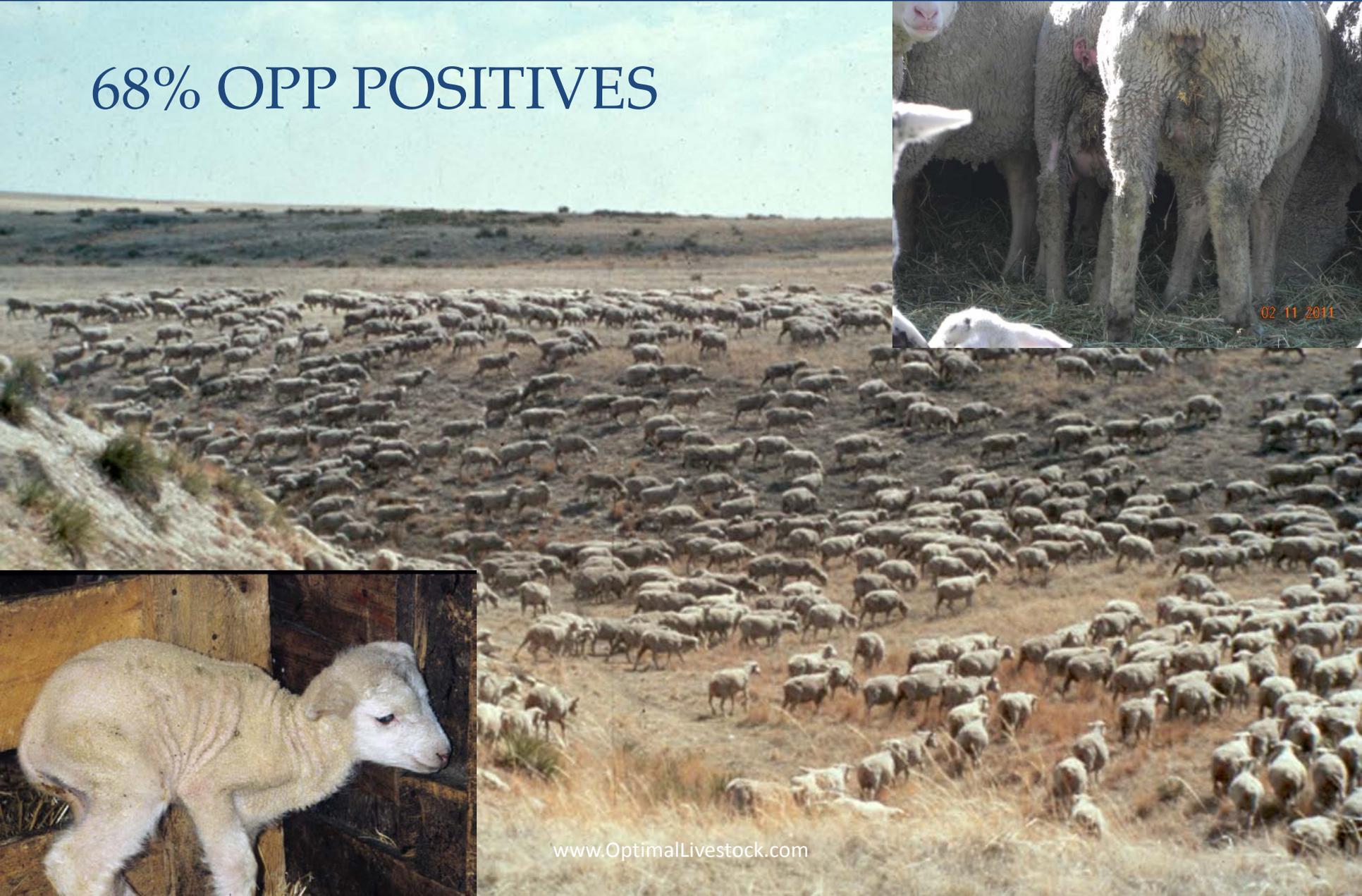


NO INFLAMMATION



# Ovine Progressive Pneumonia (OPP)

68% OPP POSITIVES



# SANITATION & TRANSMISSION



# PREVENTION



LOAD OUT LAMBS  
CHECK EVERY UDDER  
CULL IMMEDIATELY



# TREATMENT

## Systemics:

Penicillin

Naxel

Excenel

Nuflor

Draxxin

Tetracyclines

Excede – behind ear

\*off label – vet prescribed

\*do not get intravenous

Strip teat

- Dilution is the solution to pollution!

Must be immediate to be effective!



## Pain Meds:

Banamine (Flunixin)

# Trailermycin



**THANK YOU!**

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for their wisdom, insight and support:

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Charlie Davis

Joan Bowen





Old Town  
Festival  
Bastrop, TX  
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IF YOU FIND ANY ABNORMALITIES ARE YOU GOING TO DO ANYTHING?