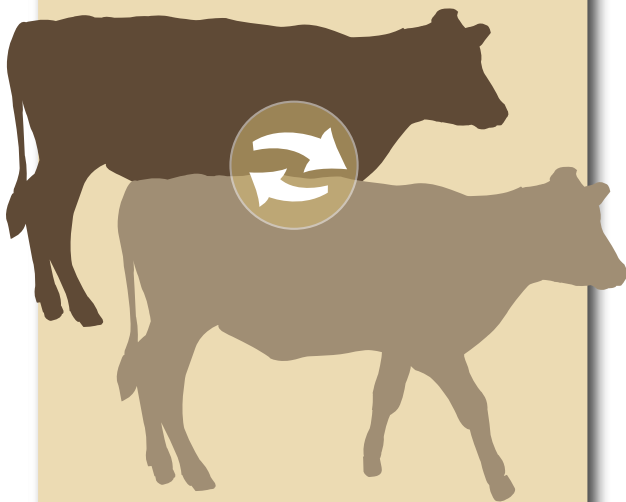


# Bovine—Direct Contact Transmission

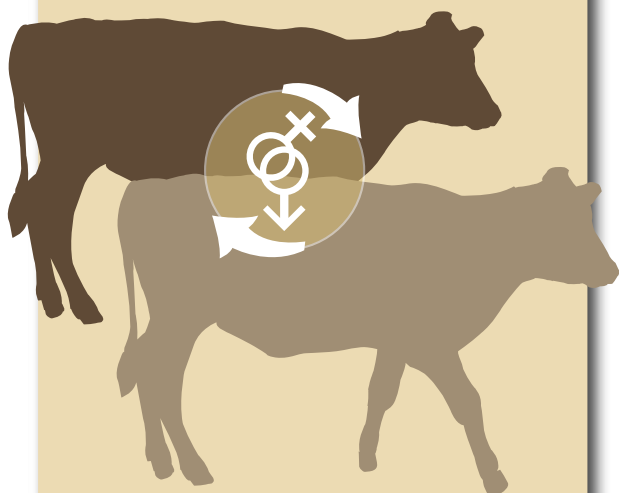


## foreign animal disease

## zoonotic disease

<i>Actinomyces pyogenes</i> (Abscesses)		
Anthrax ( <i>Bacillus anthracis</i> )	●	
Brucellosis ( <i>Brucella abortus</i> )	●	
<i>Corynebacterium pseudotuberculosis</i> (Ulcerative lymphangitis)		
<i>Dermatophilus congolensis</i> (Rainscald, rainrot)	●	
External parasites		
Foot and Mouth Disease (FMD)	●	●
Foot rot ( <i>Fusobacterium necrophorum</i> )		
Hairy heel warts		
Infectious Bovine Rhinotracheitis (IBR, red nose)		
Leptospirosis ( <i>Leptospira spp.</i> )	●	
Lumpy jaw ( <i>Actinomyces bovis</i> )		
Lumpy Skin Disease Virus		●
Malignant Catarrhal Fever-African Form		●
Malignant Catarrhal Fever-North American Form		
Mastitis, coliform		
Mastitis, contagious		
Pinkeye ( <i>Moraxella bovis</i> )		
Pseudo Cowpox Virus	●	
Pseudorabies Virus		
Q Fever ( <i>Coxiella burnetii</i> )	●	
Rabies	●	
Rinderpest		●
Ringworm ( <i>Microsporum spp.</i> , <i>Trichophyton spp.</i> )	●	
Tetanus ( <i>Clostridium tetanii</i> )	●	
Vesicular Stomatitis Virus (Indiana subtype 1; New Jersey subtype)	●	
Vesicular Stomatitis Virus (Indiana subtypes 2,3)	●	●
Warts		
Wooden tongue ( <i>Actinobacillus lignieresii</i> )		

# Bovine—Reproductive Transmission



## foreign animal disease

## zoonotic disease

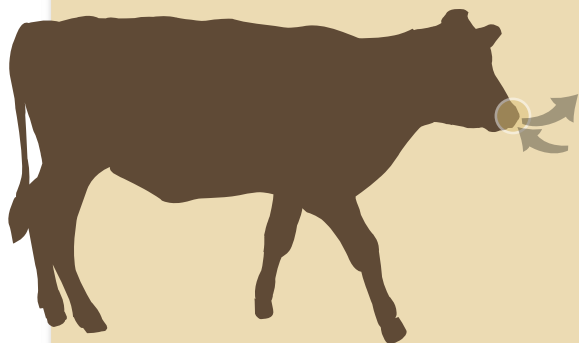
Bluetongue Virus	
Bovine Leukemia Virus (BLV)	
Bovine Viral Diarrhea (BVD)	
Brucellosis ( <i>Brucella abortus</i> )	•
Contagious Bovine Pleuropneumonia	•
Infectious Bovine Rhinotracheitis (IBR, red nose)	
Johne's disease ( <i>Mycobacterium paratuberculosis</i> )	
<i>Neospora caninum</i>	
Trichomoniasis ( <i>Tritrichomonas fetus</i> )	
Tuberculosis ( <i>Mycobacterium bovis</i> )	•
Vibrio ( <i>Campylobacter spp.</i> )	

# Bovine—Aerosol Transmission

## foreign animal disease

## zoonotic disease

Anthrax ( <i>Bacillus anthracis</i> )	●	
<i>Aspergillus spp.</i>		
Bovine Respiratory Syncytial Virus (BRSV)		
Bovine Viral Diarrhea (BVD)		
Contagious Bovine Pleuropneumonia		●
Foot and Mouth Disease (FMD)	●	●
<i>Haemophilus somnus</i> (TEME)		
Infectious Bovine Rhinotracheitis (IBR, red nose)		
Malignant Catarrhal Fever—African Form		●
Malignant Catarrhal Fever—North American Form		
<i>Mannheimia (Pasteurella) haemolytica</i>		
Melioidosis ( <i>Burkholderia pseudomallei</i> )	●	
<i>Mycoplasma bovis</i>		
Parainfluenza Virus (PI3)		
Q Fever ( <i>Coxiella burnetii</i> )	●	
Tuberculosis ( <i>Mycobacterium bovis</i> )	●	
Vesicular Stomatitis Virus (Indiana subtype 1; New Jersey subtype)	●	
Vesicular Stomatitis Virus (Indiana subtypes 2,3)	●	●

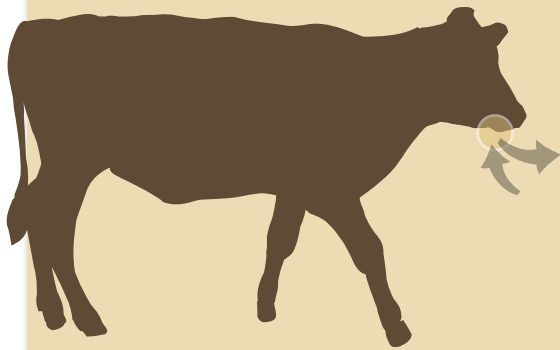


# Bovine—Oral Transmission

## foreign animal disease

## zoonotic disease

Anthrax ( <i>Bacillus anthracis</i> )	●
Blackleg ( <i>Clostridium spp.</i> )	
Botulism ( <i>Clostridium botulinum</i> )	
Bovine Spongiform Encephalopathy	●
Bovine Viral Diarrhea (BVD)	
Brucellosis ( <i>Brucella abortus</i> )	●
Circling disease ( <i>Listeria monocytogenes</i> )	●
Clostridial Enterotoxemia	
Coccidiosis ( <i>Eimeria spp.</i> , <i>Isospora spp.</i> )	
Coronavirus	
<i>Cryptosporidium parvum</i>	●
<i>Escherichia coli</i> ( <i>E. coli</i> )	●
Foot and Mouth Disease (FMD)	● ●
<i>Giardia spp.</i>	●
Internal parasites	
Johne's disease ( <i>Mycobacterium paratuberculosis</i> )	
Leptospirosis ( <i>Leptospira spp.</i> )	●
Lumpy jaw ( <i>Actinomyces bovis</i> )	
Melioidosis ( <i>Burkholderia pseudomallei</i> )	●
<i>Mycoplasma bovis</i>	
<i>Neospora caninum</i>	
Rotavirus	
<i>Salmonella spp.</i>	●
Tuberculosis ( <i>Mycobacterium bovis</i> )	●
Wooden tongue ( <i>Actinobacillus lignieresii</i> )	

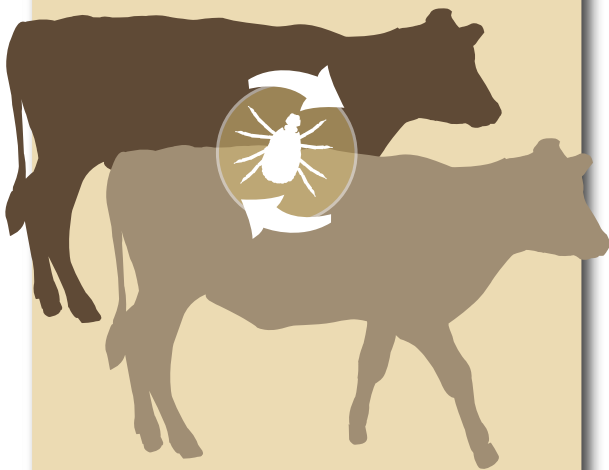


# Bovine—Vector Transmission

## foreign animal disease

## zoonotic disease

Akabane—Mosquitoes	●	●
Anaplasmosis ( <i>Anaplasma marginale</i> )—Ticks		
<i>Babesia</i> spp. (Texas cattle fever, tick fever, redwater)—Ticks		●
Bluetongue Virus—Midges		
<i>Corynebacterium pseudotuberculosis</i> (Ulcerative lymphangitis)—Flies		
<i>Dermatophilus congolensis</i> (Rainscald, rainrot)—Flies, ticks	●	
Grubs ( <i>Hypoderma</i> spp.)—Flies		
Heartwater ( <i>Cowdria ruminatum</i> )—Ticks		●
Lumpy Skin Disease Virus—Mosquitoes, Flies		●
Mastitis, contagious—Flies		
Pinkeye ( <i>Moraxella bovis</i> )—Flies		
Q Fever ( <i>Coxiella burnetii</i> )—Ticks		●
Rift Valley Fever—Mosquitoes	●	●
Screwworm myiasis—Fly larvae		●
Vesicular Stomatitis Virus		
(Indiana subtype 1; New Jersey subtype)—Mosquitoes	●	
Vesicular Stomatitis Virus (Indiana subtypes 2,3) —Mosquitoes	●	●



# Bovine—Fomite Transmission

## foreign animal disease

## zoonotic disease

Anaplasmosis ( <i>Anaplasma marginale</i> )		
Anthrax ( <i>Bacillus anthracis</i> )	●	
Bluetongue Virus		
Bovine Leukemia Virus (BLV)		
Bovine Viral Diarrhea (BVD)		
Coccidiosis ( <i>Eimeria spp.</i> , <i>Isospora spp.</i> )		
Coronavirus		
<i>Corynebacterium pseudotuberculosis</i> (Ulcerative lymphangitis)		
<i>Dermatophilus congolensis</i> (Rain scald, rain rot)	●	
Foot and Mouth Disease (FMD)	●	●
Hairy heel warts		
Lumpy jaw ( <i>Actinomyces bovis</i> )		
Mastitis, coliform		
Mastitis, contagious		
Ringworm ( <i>Microsporium spp.</i> , <i>Trichophyton spp.</i> )	●	
Rotavirus		
<i>Salmonella spp.</i>	●	
Tetanus ( <i>Clostridium tetanii</i> )	●	
Vesicular Stomatitis Virus (Indiana subtype 1; New Jersey subtype)	●	
Vesicular Stomatitis Virus (Indiana subtypes 2,3)	●	●
Warts		

