Disease, Symptoms and Onset	<ul> <li>Listeriosis, clinically characterized as meningitis, meningoencephalitis, septicemia, abortion, perinatal infection, and gastroenteritis</li> <li>Presents as lateral deviation of head and neck, fever, vomiting, loss of balance, nausea, confusion, convulsions, diarrhea, gastrointestinal septicemia, and abortions</li> <li>Incubation period is 1 to 2 days</li> </ul>
Source	Poor quality silage, plant matter
Transmission	Transmission to animals occurs through feed.
Characteristics	<ul> <li>Non-sporforming, Gram-positive rods</li> <li>Grows under aerobic conditions. Grows in a temperature range of 4 to 37°C</li> <li>Low pH prevents growth; optimum pH for growth is 6.5 to 7.5</li> <li>Survives well in frozen or dry state</li> <li>Only <i>Listeria monocytogenes</i> causes disease</li> <li>Not highly contagious; large numbers of Listeria are required for disease</li> </ul>
Control	<ul> <li>Prevention of Listeria growth by keeping feed at low pH (less than 4.5)</li> <li>Pellet form keeps moisture levels low enough to prevent Listeria growth</li> <li>Heat treatment will also kill enough Listeria to keep the numbers at levels below disease threshold</li> </ul>