| S<br>l<br>i<br>d      | Diskeyed  | Rinderpest is a contagious disease of cattle, sheep, and goats that has also been called cattle plague.   |
|-----------------------|---|---|
| e<br>1                | Cattle Plague   |   |
|                       |   |   |
| S<br>1<br>d<br>e<br>2 | Overview<br>• Cause<br>• Economic impact<br>• Distribution<br>• Transmission<br>• Disease in animals<br>• Prevention and control  | In today's presentation we will cover information regarding the virus<br>that causes rinderpest and its characteristics. We will also talk about the<br>economic impact the disease has had in the past and could have in the<br>future. Additionally, we will talk about how it is transmitted or spread,<br>the types of animals it affects and the disease in animals (clinical signs).<br>Finally, we will address prevention and control measures for the disease<br>as well as actions to take if rinderpest is suspected.                      |
| S<br>1<br>d<br>e<br>3 | The Cause   | Let's begin by discussing the cause of rinderpest.  |
| S<br>1<br>d<br>e<br>4 | <b>Rinderpest</b><br>• Rinderpest virus (RPV)<br>• Other members of the family include<br>- Human measles virus<br>• Canine distemper virus<br>• Disease caused by one<br>type of virus<br>• Field strains vary<br>• Canine distemper virus<br>• Disease caused by one<br>type of virus<br>• Field strains vary | This disease is caused by the rinderpest virus (RPV) which is very<br>similar to canine distemper virus and human measles virus, two very<br>contagious diseases. There is only one type of rinderpest virus, but field<br>strains vary widely in severity of the disease they cause, how easily they<br>spread between animals and what type of animals they infect. Photo<br>(Electron photomicrograph of the rinderpest virus) from The Big Picture<br>Book of Viruses: Paramyxoviridae accessed at<br>www.virology.net/Big_Virology/ EM/rpv1.JPG. |
| S<br>1<br>d<br>e<br>5 | Importance  | Rinderpest is a threat to the U.S. because American livestock are naïve<br>and it could have a huge economic impact.  |









| S<br>l<br>i<br>d<br>e           | Additional Resources  |  |
|---------------------------------|---|--|
| 2<br>5                          |   |  |
| S<br>1<br>d<br>e<br>2<br>6      | <ul> <li>Internet Resources</li> <li>Center for Food Security and Public Health<br/>- www.csph.iastate.edu</li> <li>World Organization for Animal Health<br/>(DE) website         - www.iei.mit</li> <li>SAHA Foreign Animal Diseases -<br/>"The Gray Book"         - www.vec.uga.edu/vpp/gray_book</li> <li>Food and Agriculture Organization of the<br/>United Nations         - www.fao.org</li> </ul> |  |
| S<br>1<br>d<br>e<br>2<br>7      | <section-header><text><text><image/></text></text></section-header>   |  |
| S<br>1<br>i<br>d<br>e<br>2<br>8 | Acknowledgments         Authors:       Jamie Snow, DVM, MPH         Katie Steneroden, DVM         Co-author:       Bryan F. Buss, DVM, MPH         Reviewer:       Danelle Bickett-Weddle, DVM, MPH   |  |