

JUK role in preventing BSE preventing

"Read Before You Feed"



Consequences of feeding prohibited material to ruminants:

- Possibility of spreading BSE-infected material among cattle
- Potential negative effects on our cattle industry
- Regulatory action under the Federal Food, Drug and Cosmetic Act. Regulatory action could include: Seizure of inventory, injunction against feeding prohibited material to ruminants, or prosecution

For more information:

Contact the Nebraska Department of Agriculture to find out more about BSE feeding regulations. 402.471.2394

prevent the spread of this disease. cattle producers must do their part to to help protect humans and cattle from BSE, Although other regulations are in place

elk, and deer.

stomach including, but not limited to, cattle, sheep, goats, buffalo, Ruminant animals are any animals with a four-chambered

meat and bone meal, derived from ruminants. Prohibited materials are protein-based materials, including

feeding prohibited materials to ruminants.

Protein Ban" in place since 1997 prevents livestock producers from BSE, and actively tests cattle for the disease. FDA's "Mammalian The AQV regulates the importation of animals from countries with

TRANSMISSION IN CATTLE? WHAT IS THE USA DOING TO PREVENT BSE

of infectivity is rendered proteins derived from ruminants. contaminated with BSE-infective material. The suspected source It is widely believed cattle become infected by eating feed

Additional Resources:

USDA - Animal and Plant Health Inspection Service

http://www.aphis.usda.gov/

Food and Drug Administration http://www.fda.gov/

Nebraska Department of <u>Agriculture</u>

http://www.agr.ne.gov/

Animal Health http://www.oie.int/eng/oie/en oie.htm

OIE World Organization for

Centers for Disease **Control and Prevention**

http://www.cdc.gov/



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> > death.

tissue, causing changes in behavior that progress to dementia and transmissible prion protein. These proteins accumulate in brain The causative agent of BSE is believed to be an unconventional

BECOME INFECTED? WHAT CAUSES BSE AND HOW DO CATTLE

vaccines available.

safeguard available because there are no treatments and no PREVENTING transmission of the BSE agent is the ONLY Diagnosis of BSE is difficult because there are no live animal tests.

disease called variant Creutzfeldt-Jakob disease (VCJD). Scientific evidence suggests BSE is associated with a rare human older. BSE has been found in cattle native to the USA and Canada. system of cattle. It typically occurs in cattle 5 years of age or cow disease," is a slow, progressive, fatal disease of the nervous Bovine spongiform encephalopathy (BSE), also known as "mad

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SE Your Actions Matter

Do the FDA's feed regulations apply to you? If you feed ruminants, YES!

What do I need to do to comply with the FDA's feed regulations?

- You **CANNOT** feed ruminants prohibited animal proteins
- You **MUST** keep copies of labels and invoices for all purchased feeds that contain animal proteins, whether they contain prohibited material or not, for at least one year





"Read Before You Feed!"

- READ your feed labels and invoices to ensure feeds for ruminants do not contain prohibited materials
- IF you only feed ruminants, TELL your supplier that you require feeds that are approved for use in ruminants
- **BE SURE** feeds containing prohibited materials are labeled with the warning: DO NOT FEED TO **CATTLE OR OTHER RUMINANTS**
- **Store and handle feeds** intended for ruminants **SEPARATELY** from feeds for non-ruminants to avoid confusion and cross-contamination

MIXING FEED ON THE FARM



Use separate equipment to mix and deliver ruminant feeds and non-ruminant feeds containing **PROHIBITED MATERIAL**. If this is not possible, then thoroughly clean the equipment between feeds to avoid crosscontamination.

RECORD



Purchased feeds containing ANIMAL PROTEIN, prohibited or not, should include the supplier's name and address, the date of purchase or delivery, and identification of the product and amount. Keep these records for at least **ONEYEAR**

■ When mixing feeds containing **PROHIBITED** MATERIAL for non-ruminants, keep records of the procedures used, date of manufacture, the formulations and batches mixed for all feeds, and the actions adopted for cleaning equipment





The clinical signs of BSE are variable and may not include typical "mad cow" behavior. Most cattle with BSE show a GRADUAL DEVELOPMENT OF **SIGNS** over weeks or months, although some can deteriorate very rapidly.

Call your veterinarian if you observe cattle showing:

- Changes in behavior (e.g. nervousness or aggression)
- Abnormal posture or incoordinated movement
- Progressive loss of condition or milk yield