WHAT IS BSE AND WHY IS IT SUCH A CONCERN?

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

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 Agriculture
http://www.agr.ne.gov/
OIE World Organization for Animal Health
http://www.oie.int/eng/oie/en_oie.htm
Centers for Disease Control and Prevention
http://www.cdc.gov/

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WHAT IS THE USA DOING TO PREVENT BSE?
The USDA regulates the importation of animals from countries with BSE, and actively tests cattle for the disease. FDA’s “Mammalian Protein Ban” in place since 1997 prevents livestock producers from feeding prohibited materials to ruminants.

WHAT IS THE USA DOING TO PREVENT BSE?

WHAT IS BSE FEEDING REGULATIONS?

WHAT CAUSES BSE AND HOW DO CATTLE BECOME INFECTED?
The causative agent of BSE is believed to be an unconventional transmissible prion protein. These proteins accumulate in brain tissue, causing changes in behavior that progress to dementia and death.

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Preventing transmission of the BSE agent is the ONLY safeguard available because there are no treatments and no vaccines available.

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WHAT IS BSE FEEDING REGULATIONS?
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

**FEEDING**

“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 cross-contamination.

**RECORD KEEPING**

- 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 ONE YEAR
- 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

**REPORTING**

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