THIN CATTLE
• Malnutrition/Starvation
• Range Ketosis – Hypoglycemia
  – Thin, nursing cows/stress
• Grain Aflatoxin Poisoning
  – Corn, Sorghum Stressed
  – > 400 PPB
• Lumpy Jaw/Woody Tongue
  – Irritated Mouth/Tongue

DEHYDRATED CATTLE
• High Salinity Tanks
  – > 10,000 PPM
  – Reduced Water Intake
  – High Salt Intake (Neurological Signs)

STRESSED CATTLE
• Heat, Malnutrition, Dehydration
  – Low Fertility
  – Low Milk Production
  – Abortion
  – Dystocia
  – Retained Afterbirth
  – Uterine Prolapse
  – Immunosuppressed

SICK CATTLE
• Stress
  – Immunosuppressed
  – Germ Recrudescence
  – Germ Shedding
  – Low Immunity
  – Low Response to Vaccines
  – Contact Exposures
DOWNER/DEAD CATTLE

- Malnutrition
- Foot Founder (Laminitis)
  - Front Feet
- Polio (Polioencephalomalacia)
  - Low protein, low roughage, and high sulfate diet
  - Confined and fed a grain diet without roughage
  - Downer cow attempts to stand
  - Ankles remain flexed or knuckled over
- Grain Aflatoxin Poisoning
  - Corn, Sorghum Stressed
  - > 600 PPB
- Plant Nitrate Poisoning
  - Corn, Sorghum, Johnson Stressed
  - > 1%
- Plant Cyanide Poisoning
  - Sorghum, Johnson Stressed
- Poisonous Plants
- Blackleg Group (Soil-Borne/Recrudescence)
- Anthrax (Soil-Borne)

DEAD CATTLE AFTER RAINS

- Plant Cyanide Poisoning
  - Sorghum, Johnson New Growth
- Fog Fever (Pulmonary Emphysema and Edema)
  - Toxic reaction in the lungs
  - Lush, green grass in spring or fall
- Blackleg Group (Soil-Borne/Recrudescence)
- Anthrax (Soil-Borne)

PURCHASED CATTLE/CARRIERS FOR RESTOCKING

- Johne’s Disease (Cow/Bull)
- Neosporosis (Cow)
- Vibriosis (Bull)
- Trich (Bull)