

GUIDED NOTES: Micro Minerals

SELENIUM:

- Increased _____ function
- _____ Reproductive Status
- Reduction in _____
- Reduction _____
- Reduction in Alzheimer's
- Helps in treatment of AIDS
- Protective against Viral attacks
- Equine rations are restricted only by _____
- Selenium _____ is effected by _____
- Toxicity includes:
 - Blind staggers
 - _____
 - Abdominal Pain
 - _____
 - Diarrhea
 - ↑ Heart rate and respiration rate
 - _____

MANGANESE:

- Necessary for synthesis of:
 - Chondroitin sulfate and _____
- Requirements _____
- Deficiencies _____
- Found in feed rations in both _____

COPPER:

- Involved in synthesis and maintenance of:
 - _____
 - Mobilization of iron stores
 - Preservation of the _____
 - Melanin synthesis
 - Detoxification of superoxide

ZINC:

- Highest concentrations occur in
 - Choroid and iris of the _____
 - _____
- Intermediate concentrations are present in:
 - Skin, liver, bone, and _____
- Low concentrations are found
 - _____, milk, lungs, and brain

MOLYBDENUM:

- Deficiency and excess _____
- Major concern is excess
 - Interferes with _____

COBALT:

- Interrelated with Fe and Cu in
 - _____
- Requirements have not been studied specifically
- Deficiencies unknown

IODINE:

- Concentrations of feedstuffs range from
 - _____
- Supplements can include _____
- Deficiencies include:
 - Dams have stillborn foals
 - Dams may also have abnormal estrous cycles
 - Usually do not have thyroid enlargement

IRON:

- What's its role?
 - _____
 - Cellular respiration