

## Commercial Nutrient Handler Topic Review

1. Requirements for Certification
  - Who is affected by the law?
  - Who needs to be certified?
  - What are the levels of certification?
2. Nutrient Management planning
  - Who needs an animal waste management plan?
  - Who needs a nutrient management plan?
  - Who can write an animal waste management plan?
  - Who can write a nutrient management plan?
3. Water Quality
  - How does nitrogen affect water quality?
  - How does phosphorus affect water quality?
  - Why is there concern with P in the environment?
  - Why is there concern with N in the environment?
4. Manure
  - If manure is applied to meet the N demands of a corn crop, what happens to soil P over a long period of time?
5. Soils
  - Structure
  - Components
  - Water movement related to soil type
  - Cation exchange capacity
  - Which soils have higher cation exchange capacity?
  - Organic matter