

ALS 3133 Test 1 Study Guide

This is a just a guide. Material on the test is not limited to the following information.

**Terms/Acronyms to know**

Erosion	CEC
Leaching	TMDL
Soil	NPDES
Soil texture	BMP
Humus	Eutrophication
Mineralization	Hypoxia
Entisol, Histosol, Spodosol	Limiting nutrient
Soil horizon	Precision agriculture
Water holding capacity	
Surface Area	

- Sources of nutrients (manure, fertilizers, etc)
- Effects of soil texture on water holding capacity, CEC, and nutrient retention
- Information found in a Soil Survey
- Why do a soils test?
- Difference between point and nonpoint source of pollution
- Role of microorganisms important in the soil
- Causes of impaired waters in the state (general)
- Causes of hypoxia
- Problems caused by excess nutrients in the water
- Gulf of Mexico dead zone – causes
- Federal regulation for water quality
- State regulation that deals with water quality
- State agencies in charge of regulating NPS pollutants
- Act which helps fund these agencies
- Criteria for Best Management Practices – Have to be technically feasible, etc.
- How does a producer get into the BMP program
- What benefits does the program bring?
- Things to consider when developing a nutrient management plan
- Optimum versus maximum yield