

- ECOL 1000: Ecological Basis of Environmental Issues
- University of Georgia
- Spring 2015



Lecture 5

Ecosystem Services- Ecology of Food

Questions:

- What are some differences globally in the production of food?
- How do we manage resources for sustainable food production?
- What are issues associated with agricultural pest control, and what are potential solutions?

Agricultural Practices

- With ~ 30,000 edible plants, 15 plant & 8 animal species provide 90% of food
- 35% land used for food production
- Traditional: human labor and draft animals used to produce food for the family
 - Shifting cultivation in tropical forests
 - Nomadic livestock herding
- Industrialized: large inputs of energy (fossil fuels, fertilizers, irrigation, and pesticides)
 - Primarily in developed countries