CHAPTER 11: PESTICIDES AND WATER

- **Point-source** = spill, back-siphoning, improper disposal
- **Non-point-source** = widespread area
Surface vs. Groundwater

Factors affecting runoff vs. leaching

- Slope
- Vegetation (slows down)
- Soil texture (finer soaks slowly) and Organic Matter (holds water)
- Temperature (frozen ground)
- Rainfall and irrigation
- Water table and aquifer depth/geology

Solubility, Persistence, Adsorption
Preservation

• Read the label precautionary statements
• Best management practices and **IPM**
• Identify **vulnerable areas**
• Keep away from **wells**
• Select appropriate **mix/load sites** and containment pads
• Watch **weather** conditions
• Select products **wisely**
• Handle **safely**
Prevention: Mixing/Loading

- Avoid back-siphoning
  - Use a water tank
  - Maintain an air gap
  - Install backflow prevention
- Avoid overflow