

Irrigation Water Quality

Use the Slides or the “Irrigation Water Quality Standards and Salinity Management Strategies” publication to answer the following questions

1. In water analysis, the salinity is typically measured by the _____ and _____ values
2. _____ and _____ are the two common types of salt problems
3. Soils with high levels of total salinity are called _____ soils
4. Irrigation Water with high salinity is toxic to plants and poses a _____ hazard.
5. SAR water values greater than _____ are considered a high sodium hazard and generally unsuitable for continuous use.
6. Hard water is generally classified as having a pH _____ than 7.
7. _____ is the maximum salinity concentration in irrigation water that can be used while still achieving 100% yield potential.
8. Boron is an essential nutrient for grapes, but it becomes toxic at Boron levels equal to or greater than _____.
9. Na or Cl concentrations greater than _____ may cause foliar injury of grapevines in sprinkler irrigation.