

List of Research Fact Sheets

Water Quality and Environmental Microbiology

1. Protecting Our Water: Tracking Sources of Bacterial Contamination
2. Genotyping Cryptosporidium Recovered From Water Regulatory Slides
3. Detection of Infectious Cryptosporidium in Drinking Water
4. Pathogens in Rio Grande River Water
5. Molecular Detection of Infectious Viruses in Water
6. Human Health Risks from Contaminants in Reclaimed Juarez Wastewater
7. Solutes and Viruses in Soil Subirrigated with Reclaimed Wastewater

Water and Soil Salinity Assessment, Plant Tolerance and Management

8. Rio Grande Salinity Management: Preliminary Economic Impact Assessment
9. Soil Salinity Assessment Using Electromagnetic Induction
10. Soil Salinity Management Using Synthetic Organic Polymer
11. Salinity Impacts on Pecan Trees
12. Managing Pecan Orchards Under Water Quality Constraint
13. Evaluation of Salt Tolerance of Chile Peppers
14. Pecan Rootstock Selection for Saline Areas
15. Establishing the Guidelines for Landscape Uses of Reclaimed or Saline Water
16. Soil Suitability for Development and Maintenance of Urban Turf Areas
17. Salt Tolerance of Herbaceous Perennials and Groundcovers
18. Evaluation of Salt Tolerance of Garden Roses
19. Evaluation of Salt Tolerance of Bedding Plants
20. Drought Tolerance and Minimum Water Use of Landscape Plants
21. Determining Water Use and Crop Coefficient of Landscape Plants

Aquifer Water Use, Geologic Assessment and Management

22. United States-Mexico Transboundary Aquifer Assessment
23. A Hydro-Econometric Analysis of Producer Water Use and Aquifer Hydrology in the Texas High Plains

Bioenergy Crop Production and Use of Alternative Water Supplies

24. Evaluation of Salt and Water Stress Tolerance of Oil Seed Crops
25. Treated Wastewater Irrigation for Sustainable Switchgrass Production
26. Beneficial Effects of Cellulosic Bioenergy Crops on Soil Salinity

Hydrologic Modeling, Analysis, Monitoring and Geographic Information Systems

27. Development of RiverWare Model of the Rio Grande Flow for Flood Control and Water Operations Planning
28. Coordinated Water Resources Databases & GIS for Watershed Management
29. Installation of Rio Grande Project Area Monitoring Network
30. Salinity Simulation of the Rio Grande Above Amistad
31. Identification of Salt Sources Entering the Pecos River
32. Fate of Salvaging Water with Saltcedar Control on the Pecos River
33. Alternate Water Source and Route Benefit Ascarate Park

Irrigation Efficiency and Water Delivery Improvements and Use of Reclaimed Water

34. Evaluation of Irrigation Efficiency Strategies for Far West Texas
35. On-Farm Irrigation Scheduling Tools to Improve Water Use Efficiency
36. TAMU and NMSU Scientists Help Irrigation Districts in Water Conservation
37. Use of Reclaimed Effluent and Salty Groundwater for Cotton Production
38. Water Conservation Through Reuse of Graywater
39. Beneficial Uses of Reject Water from Electric Cooling Towers