Mission Statement

Maintaining our way of life through conservation, protection, and preservation of our groundwater resources.
Conservation Steps

• Gradually reduced allowable production limits from 2 AF/Acre to 1.5 AF/Acre (25% reduction)
• Develop agriculture conservation education programs
• Continue to promote water conservation across all water user groups
Conservation Education

- 200-12 Reduced Irrigation Corn Demonstration Project
- The Texas High Plains Initiative For Strategic and Innovative Irrigation Management and Conservation
- Efficient Profitable Irrigation In Corn
- 3-4-5 GPM Gallon Production Maximization Corn Demonstration Project
- Master Irrigator

- 4th Grade Water Conservation Festivals
- 5th Grade Water Wise
- In-class programs
- Summer Showers
- Civic group and Industry presentations.
- North Plains Water Conservation Center.
Irrigation Math

Irrigated Acres
1,000,000

Reduced Irrigation
X 3” or 0.25’

Irrigation Savings
= 250,000 AF
Agriculture Conservation Demonstrations
Master Irrigator Project Advisory Committee

• Agronomics
• Irrigation Scheduling
• Systems
• Special Topics (Cool Stuff)
Agronomics

• Soil Health, Infiltration and Residue Management
• Economics of Soil Health and Residue Management
• Fertility Management
• Using Cover Crops to Improve Soil Health
• Producer Panel: Soil Health and Residue Management
Importance of cover crops and crop rotation
Irrigation Scheduling

• Economics of Irrigation Scheduling
• Pre-Water and Planting Dates
• Monitoring Moisture Stress and Plant Growth in Irrigated Crops
• Irrigation Scheduling with Aquaplanner
• Measuring Crop Water Use
• Data Interpretation & Strategic Irrigation Management
• Producer Panel: Irrigation Scheduling
Soil moisture probes & Crop stress monitors
Weather stations and custom irrigation scheduling
Systems

• Economics of Irrigation Systems
• Systems and Application Efficiency
• Genset: A potential alternative for converting natural gas to electric powered irrigation
• Pivot Shutoff, Track Management, Variable Rate Irrigation and Remote Monitoring
• Producer Panel: Center Pivot Irrigation
Subsurface drip irrigation

Center pivot systems and monitoring
LEPA – low energy precision application

PMDI – precision mobile drip irrigation
Systems & Special Topics

• 2018 Crop Profitability Analyzer
• Variable Frequency Drives Benefits in Agriculture
• Remote Sensing uses in Agriculture
• How I use Satellite Imagery & Drones in Our Operation
• Subsurface Drip Irrigation Systems
• Producer Panel: SDI and Remote Sensing
Drones and remote sensing
2018 Master Irrigator Graduates

Dustin Borden
Clinton Born
Paul Breland
Ann Burton
Dorland Burton
Glen Green
Dennis Holubec
Mark Howard
Ridgel Koehn
Kenton Laubhan

Janet Reinart
Colt Reynolds
Eddy Riggins
Justin Ritchey
Dustin Sargent
Everett Timmons
Nathan Webb
Willie Wieck
Linda Williams
Misty Williams
Nongovernmental Contributors and Sponsors
(That Public-Private-Partnership Thing)

- Growers
- AquaSpy
- METOS
- Servi-Tech
- Better Harvest, Inc
- PivoTrac Monitoring, LLC
- Lindsay Corporation
- Yaskawa America Inc.
- Crop Quest
- Professional Water Management Associates
Discussion

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