2014 Georgia Grazing School: Irrigation Principles in Action

REID BROS IRRIGATION & EQUIPMENT CO. LLC.
TWO LOCATIONS
AMERICUS UNADILLA
229-924-2485 478-627-9730

QUALIFICATIONS

- CERTIFIED IRRIGATION DESIGNER
  - Irrigation Association
  - Minimum Three Years Experience
  - Knowledge of soil and crop relationships
  - Knowledge of Equipment
  - Knowledge of Design Standards
  - Competency of design

- CERTIFIED AG IRRIGATION SPECIALIST
  - Irrigation Association
  - Pass One Four Test
  - Crop and soil relationships
  - Crop water requirements
  - Scheduling

- CERTIFIED NUTRIENT PLAN MANAGEMENT SPECIALIST
  - Georgia Department of Agriculture
  - Pass a Competency Test of Waste Management application Standards

REPRESENTED COMPANIES

- VALLEY
- AGPRO
- AMADAS
- ARTEX
- BAMBANER
- BERKELEY PUMPS
- CORNELL PUMPS
- GEA HOULE
- HURRICANE DITCHER
- KIFCO
- KUHN KNIGHT
- OTECO
- PRONGHORN
- RIVERSCREEN
- RHINO GATOR

SERVICES

- IRRIGATION
  - Design
    - Center Pivot
    - Pivots
    - Sprinkler
    - Hard Hose
    - Pumps
    - Pipeline
    - Electrical
  - Installation & Service
    - Install our equipment
    - Factory Trained Personal
    - Licensed Electrician
  - Management
    - Scheduling
    - [ ]
    - [ ]

- WASTE MANAGEMENT
  - Design
    - SWIMMING POOL
    - SEWERS
    - PUMPS
    - PIPELINE
  - Disposal
    - Center Pivot
    - Hard Hose
    - Sprinkler
    - Sludgers
    - Spreaders
  - Installation & Service
    - Install our equipment
    - Factory Trained Personal
    - Licensed Electrician

IRRIGATION

- IS NOT A LUXURY
  - MUST PRODUCE NET POSITIVE CASH FLOW
  - RETURN TO MANAGEMENT MUST EXCEED
    - ANNUALIZED CAPITAL COST
    - ANNUAL OPERATION COST
    - LABOR COST

- IS A RISK MANAGEMENT TOOL
  - NEGATES THE EFFECTS OF DROUGHT
    - Supplies water based on crop demand
  - MAXIMIZES ANNUAL PRODUCTION
    - Confidence to apply inputs
    - Multiple crops per year
    - Timely harvest intervals

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IRRIGATION DESIGN GOALS

• PROVIDE FOR CROP WATER REQUIREMENT IN A TIMELY MANNER

• UNIFORM APPLICATION

• MINIMAL ENERGY CONSUMPTION

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DieSEL Pump

RiverScreen

Floating Pump

Floating Pump on RiverScreen

Remote Pump Panel Installation

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AGPRO SLOPED SCREEN

SLOPED SCREEN PUMP & ELECTRICAL
GEA HOULE PUMP & AGITATOR
VFD PUMP CONTROL

GEA HOULE AGI-POMPE

ARTEX SPREADER
450 CF TO 1200 CF

KUHN KNIGHT 8132 SLINGER

KUHN KNIGHT VERTICAL MIXER
270 CF TO 1200 CF

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PRONGHORN TRACK FILLER

OTECO TRACK FILLER

HURRICANE DITCHER
500 LINEAR FEET PER HOUR
NINETEEN CENTS PER LF