**Our Vision: To Create Industry-Leading Solutions for...**

**Agricultural Efficiency & Production**

**Return on Investment**
Drainage systems can return the cost of investment in 3-10 years and are one of the most effective methods of increasing agricultural efficiency and productivity.

**Standing Water**
Standing water directly affects yield and interrupts traffic patterns by creating non-uniform field conditions.

**Total Field Access**
Prinsco Drainage
Planting Timeline
Inadequate Drainage

**Soil Compaction**
Vehicle traffic on wet soil can cause soil compaction, limiting root growth and adding to plant stress.

**Saturated Roots**
Over saturated soil condition limits oxygen to the root zone resulting in shallow root growth. Crops with shallow roots are less durable, less productive and have trouble reaching water tables in the dry season.

**Peak Flow Rates**
Surface drainage increases peak surface runoff flow rates, which is what causes flooding. Because tile drainage tends to decrease peak runoff rates, it should not increase, and may even decrease, the incidence of flooding.

**HEALTHY ROOTS**
Subsurface drainage promotes deeper, healthier root systems by decreasing plant stress and allowing for more oxygen in the root zone.

**Higher Yields**
Subsurface drainage systems can significantly improve crop yields on poorly drained soils. Typical increases might be 10-30 bushels/acre for corn and 5-10 bushels/acre for soybeans.

**Protein Consumption**
World consumption of animal protein is on the rise, and about 35% of the world’s grain harvest is used to produce animal protein. It takes 7 lbs of grain for 1 lb of gain in grain-fed beef.

**Controlled Drainage**
The emerging trend towards controlled drainage allows farmers to manage water tables while reducing nitrate loss.

**Demands of Population Growth**
As the global population grows from 7 billion to almost 9 billion by 2050, the demand for resources will rise exponentially. By 2030, the world will need at least 50 percent more food, 45 percent more energy, and 30 percent more water.

**Subsurface Drainage**
Drainage systems can decrease surface runoff, thereby reducing sediment losses by 16-65% and phosphorus losses by up to 45%.

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