



AGRI-TECH PRODUCERS, LLC

"Meeting Tomorrow's Needs Today"

Joseph J. James, President



Challenges & Opportunities

Challenges:

- ❖ **Need/Cost of Remediating Soil and Water**
- ❖ **High Cost of Bio-Coal & Bio-Products**

Opportunities:

- ❖ **Growing Demand for Bio-Based Products**
- ❖ **Lower Costs for Remediation, Biomass & Bio-Products, Due to the CRBBP Process**

ATP's **CRBBP** Process

ATP plants and then sequentially multi-tasks bio-crops and their biomass, to do good things, for people and the planet, less expensively.

Bio-Crops Are Bred to Grow Fast, Big and to Do Good Things!!!



Standard Sorghum



Biomass Sorghum

ATP's **CRBBP** Process

Remediation

Plant Bio-Crops

**Harvest/Shred
Bio-Crops**

**Make
Bio-Products**



- 1. Fillers***
 - 2. Bio-Coal***
 - 3. Biochar***
- * Torrefaction

Sequential Multi-Tasking Shares & Reduces Costs



For 1 Task Cost = $\$C/\text{Task 1}$

For 3 Tasks Cost = $\$C/(\text{T1}+\text{T2}+\text{T3})$

For ∞ Tasks Cost = $\$C/(\text{T1}...\text{T}\infty) = \0

Production Costs = $\$C$

ATP's 2017-18 Demo Project: The Chesapeake Bay Watershed





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