

## ART: AMMONIUM RECOVERY TECHNOLOGY



### ART IS THE FUTURE OF ORGANIC AGRICULTURE

PureGreen's highly innovative and disruptive fertilizer production technology advances organic agriculture and helps sustain the environment. ART: Ammonium Recovery Technology is an innovative reclamation process that generates high value, direct inject, organic liquid fertilizer, while mitigating greenhouse gas emissions (GHGs) from concentrated animal feeding operations (CAFOs). Commercial pig operations, for example, have endless opportunities for improving their environmental footprint as it relates to their waste and greenhouse gas emissions.

### PURE GREEN MITIGATES GHGS, ELIMINATES THE YIELD GAP AND INCREASES PROFITABILITY

#### THE BEAUTY OF ART

ART allows for capturing, concentrating, transporting and processing organic ammonia, providing a complete solution for ammonia emissions removal and reutilization as a high value plant available fertilizer source for organic farming.

#### MICROBIAL ACTIVITY

In transforming free ammonium, naturally occurring microbial activity is leveraged to create high value organic fertilizers in multiple forms that can be applied directly to crops and are available for immediate uptake by plants.

#### MULTI-SOURCE RECOVERY

With ART, agricultural residuals are processed from multiple sources using natural elements and scalable equipment, capturing available free Ammonium so it can be transformed into high value organic fertilizers.





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## STATE OF THE ART BENEFITS

ART: Ammonium Recovery Technology is clean and sustainable technology solutions for the benefit of generations

### EASE OF IMPLEMENTATION

Hardware can be seamlessly integrated into livestock farming operations as well as manure processing operations such as composting, drying and other processes that emit ammonia utilizing existing operational implementations with minimal modifications and often low or no out of pocket costs

### PROPRIETARY TECHNOLOGY

The proprietary ART process is focused on fully utilizing the naturally occurring organic cycle to achieve sustainability. The capture and processing of organic ammonia directly benefits the farm and the manure processing facility's bottom line and the environment. That's why we say ART is truly State of the ART technology

### GLOBAL AVAILABILITY

PureGreen's patented technology and ART installation is available globally to support the future of organic farming, with implementation focus in areas of high density CAFO's

### INCREASED REVENUE FOR FARMERS

The capture of ammonia from farming operations not only reduces harmful emissions, it makes regulatory compliance easier and more affordable while also creating a new direct revenue stream from the recovered product



REDUCES YIELD GAP  
VS. CONVENTIONAL  
FERTILIZERS



MITIGATES 100% OF  
GREENHOUSE GASSES  
AND ELIMINATES ODOR



CERTIFIED ORGANIC  
FERTILIZER FOR THE  
FUTURE OF FARMING



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