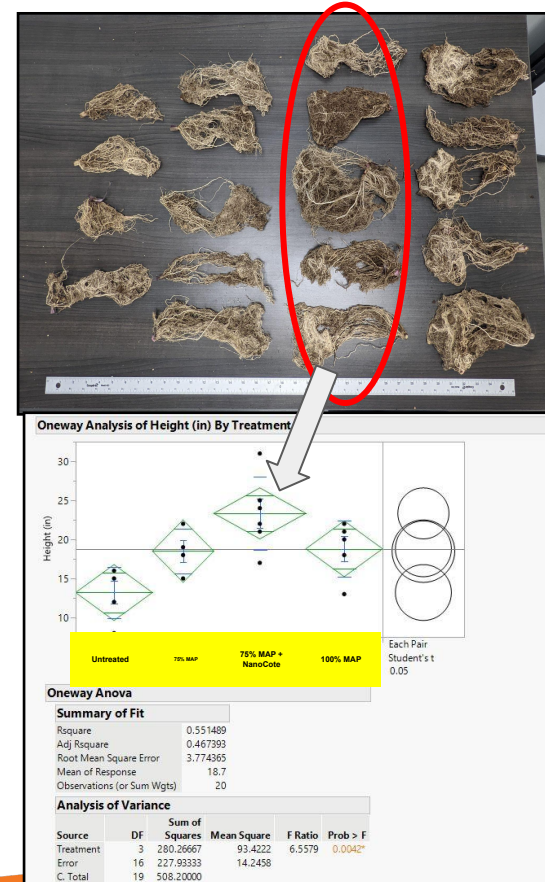
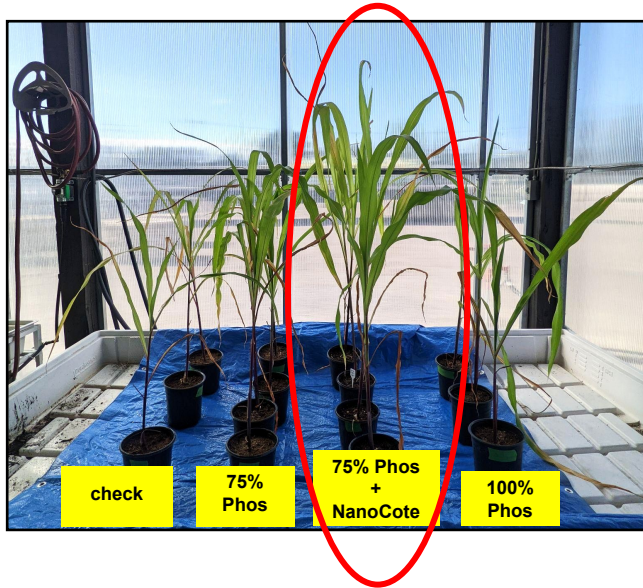


# Greenhouse and Field Data



# Initial Greenhouse Data

## Proof of Concept



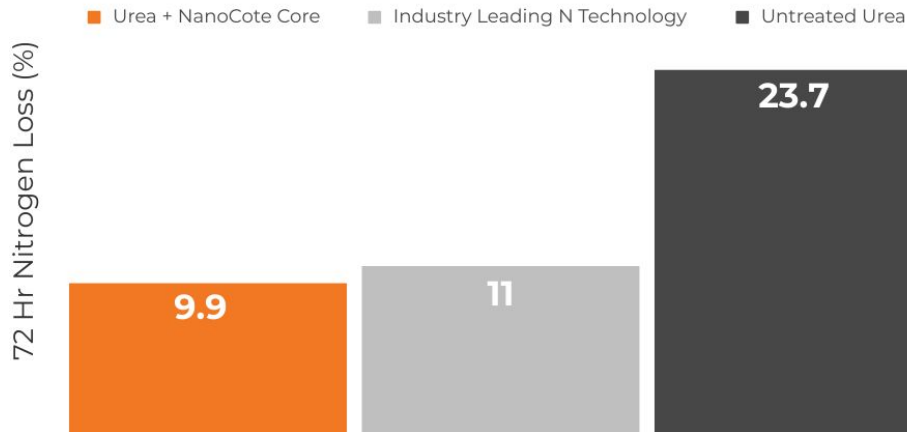
# Preventing Nitrogen Loss vs. Industry Standard



## NanoCote™ Core reduces urea volatile nitrogen losses by over 50%

2023 • Pennsylvania State University • Rate: 0.9 lb 46-0-0 per 1000 sq.ft.

NanoCote reduced urea volatile losses by over 50%



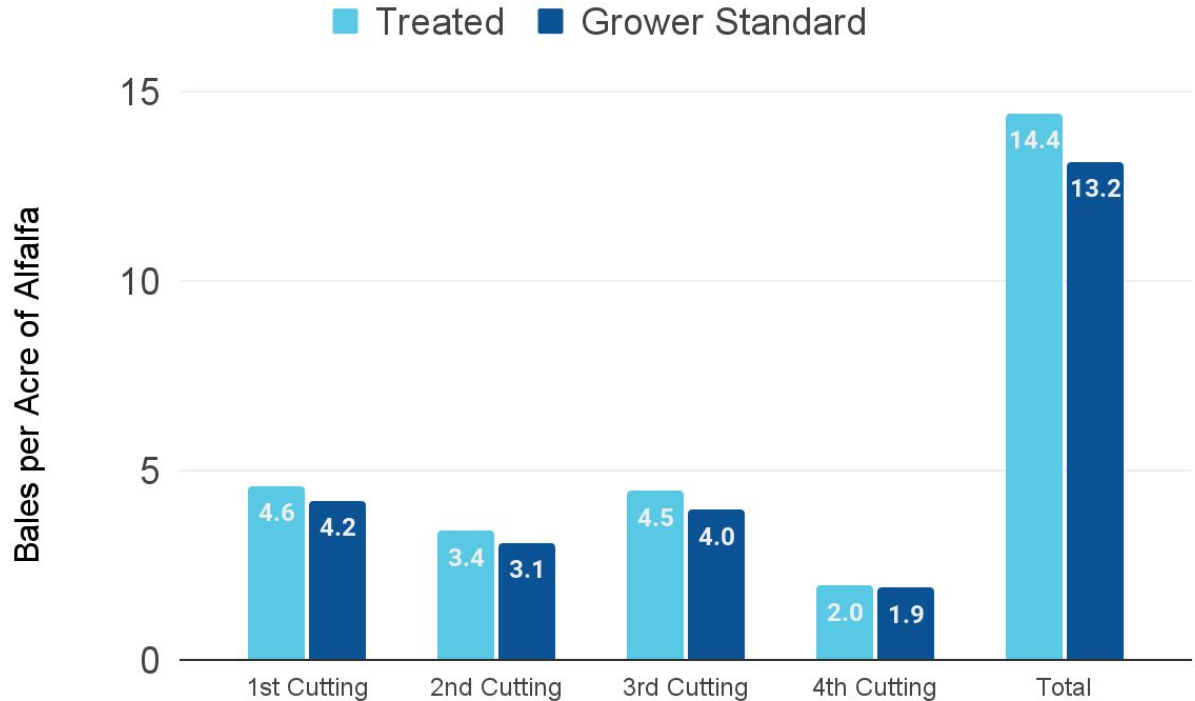
Research conducted at Penn State University

# NanoCote Alfalfa Production



## Improved crop yield and protein content

- Yield increase of 1.2 bales and 0.9 tons/acre
- Protein increase of 17%
- ROI =\$144/acre or 11:1



# NanoCote - Corn Production



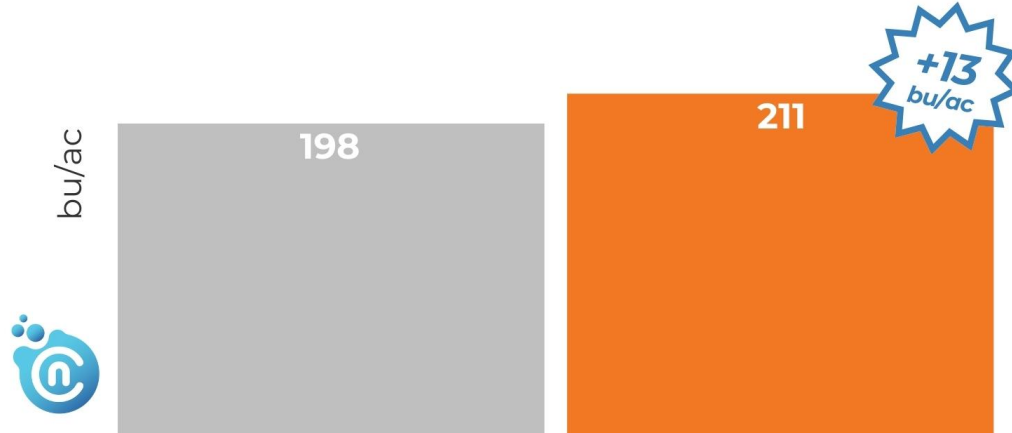
nanoCOTE™  
CORE

## NanoCote™ Core increases corn yield with reduction of phosphorus

2023 · 3rd Party Trial · Carroll, IA

Grower Standard: Spring Application of MAP @ 200 lb/ac

■ Grower Standard   ■ NanoCote™ Core + 25% Reduced P



# NanoCote - Corn Production



nanoCOTE™  
CORE

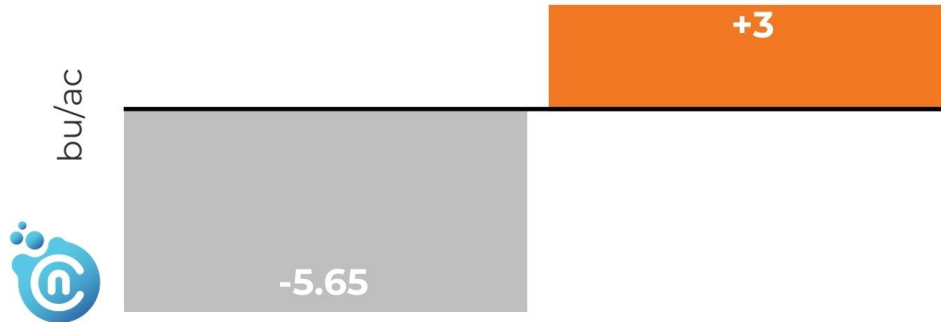
## NanoCote™ Core helps increase corn yield despite severe drought

This data is associated with severe drought stricken corn, resulting in very low yield. This trial displays yield relative to the grower standard.

2023 · 3rd Party Trial · Vernon, MO

Grower Standard: Spring Application of DAP @ 150 lb/ac

■ 25% Reduced P   ■ 25% Reduced P + NanoCote™ Core



# NanoCote - Soybean Production



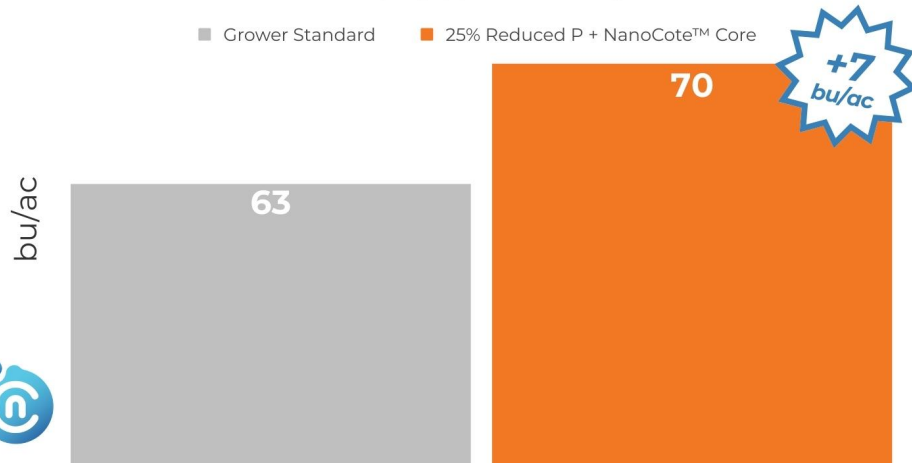
nanoCOTE™  
CORE

## NanoCote™ Core increases soybean yield with reduction of phosphorus

2023 · 3rd Party Trial · St. Charles, MO

Grower Standard: Spring Application of DAP @ 60 lb/ac

■ Grower Standard ■ 25% Reduced P + NanoCote™ Core



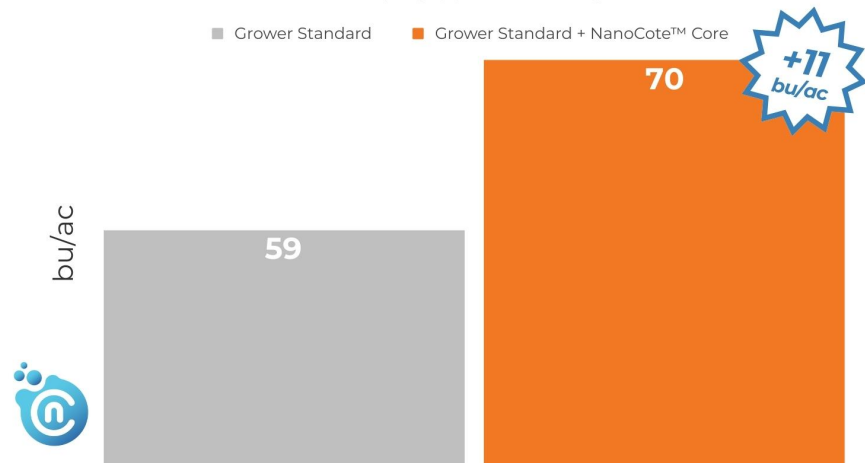
nanoCOTE™  
CORE

## NanoCote™ Core increases soybean yield

2023 · 3rd Party Trial · St. Charles, MO

Grower Standard: Spring Application of DAP @ 60 lb/ac

■ Grower Standard ■ Grower Standard + NanoCote™ Core



# NanoCote - Soybean Production



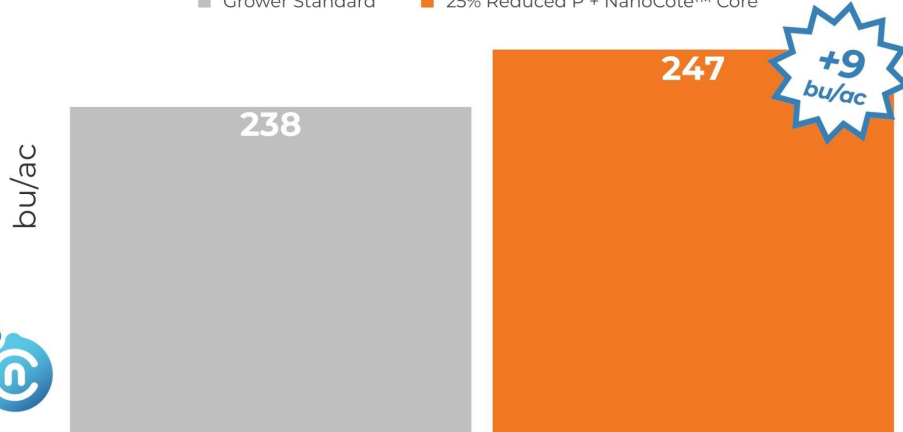
nanoCOTE™  
CORE

## NanoCote™ Core increases corn yield with 25% reduction of phosphorus

2023 · 3rd Party Trial · Brown, OH

Grower Standard: Spring Application of DAP @ 100 lb/ac

■ Grower Standard ■ 25% Reduced P + NanoCote™ Core



nanoCOTE™  
CORE

## NanoCote™ Core increases soybean yield with 25% reduction of phosphorus

2023 · 3rd Party Trial · Brown, OH

Grower Standard: Spring Application of DAP @ 100 lb/ac

■ Grower Standard ■ 25% Reduced P + NanoCote™ Core



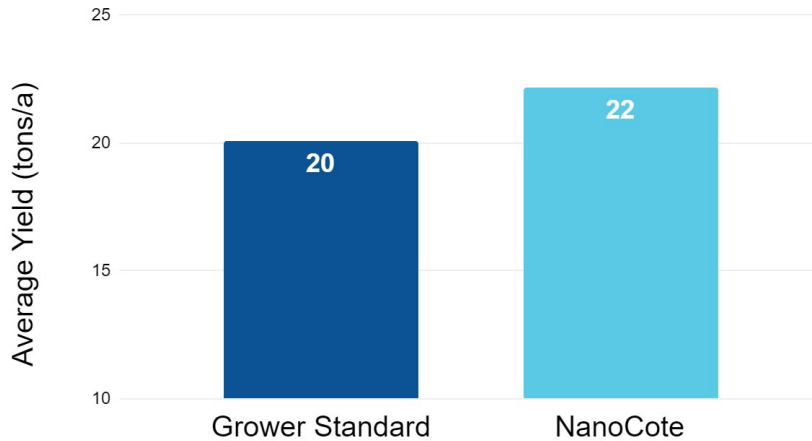


# NanoCote Potato Production

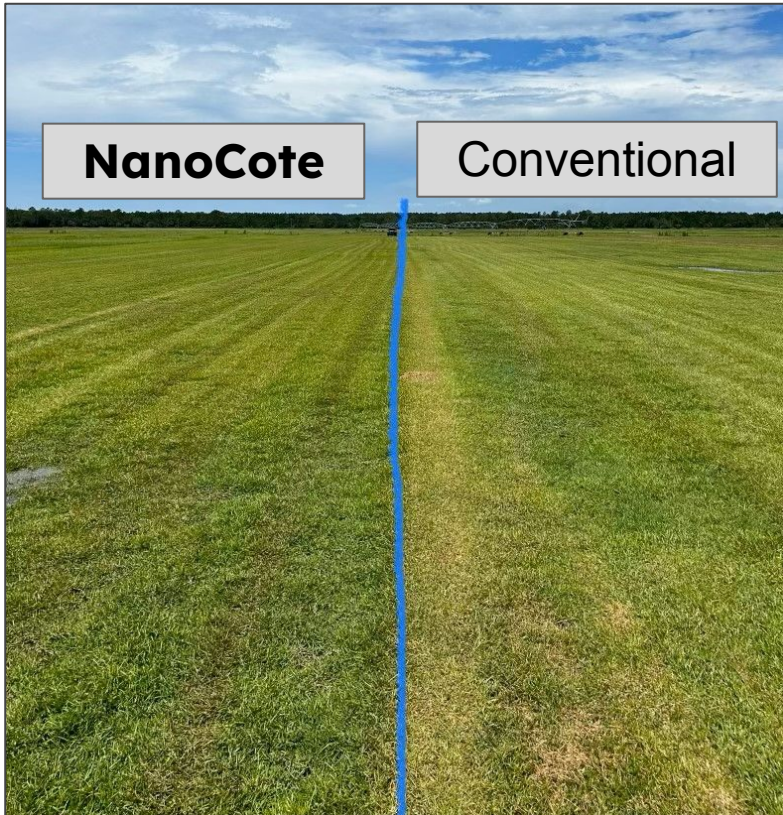


Average of **2 tons more potatoes/acre** - over 3 trials

Increased potato yield with NanoCote



# Data - Sod Production



## NanoCote Grower Granular Fert Demo

Same rate of 21-0-21 with (+) vs. without (-) NanoCote

- Ocala, FL **sod farm** shown at week 4
- **Centipedegrass**, established from ribbons
- Differences were seen by grower as follows
  - 3wks = visible differences emerging
  - 4wks = strong differences in color & density
- TriYield: sod farms seeing 3 weeks longer performance

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