

# 2023 Eastern Kansas Cost Reduction Corn Trial with Free Phos

In Sedgwick, Kansas, the grower embarked on a trial on April 20, 2023, planting a 10-acre irrigated field with Free Phos 24, applying 3 gallons per acre in-furrow. Additional acres were planted with the standard practice, involving 4.5 gallons of Pro-Germinator, 1.5 gallons of Kalibrate, 1 quart of Micro 500, and 1 pint of Mn EDTA per acre in-furrow, while all other pre-plant and post-plant nutrition remained consistent across treatments.

The harvest on September 19, 2023, revealed an estimated yield of 202.9 for both the grower standard and Free Phos 24 treatments. Remarkably, despite the identical yields, the Free Phos 24 treatment proved to be significantly more cost-effective, utilizing half the total product volume at a lower per acre cost. This trial highlights the potential for substantial savings while maintaining yield consistency.



Grower Standard on Left | Free Phos 24 on Right

## TRIAL DETAILS

Crop: Corn  
Location: Sedgwick, Kansas  
Planting Date: 4/20/2023  
Harvest Date: 9/19/2023  
Tillage method: No tillage  
Variety: DKC 65-95

## GROWER STANDARD

4.5 gal/acre - Pro Germinator (in furrow)  
1.5 gal/acre - Kalibrate (in furrow)  
1 qt/acre - Micro 500 (in furrow)  
1 pint Mn EDTA per acre (in furrow)

## TREATED

3 gal/acre - Free Phos 24 (in furrow)

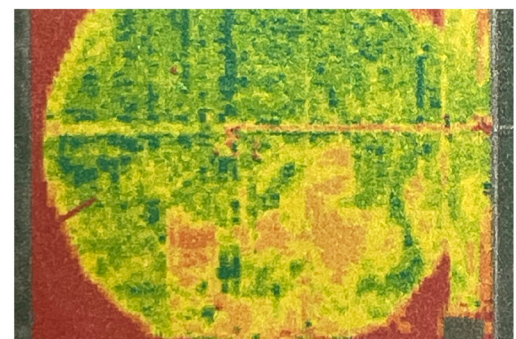
## AVERAGE YIELD

Grower Standard Average Yield: 202.9 bu/acre  
Free Phos 24 Average Yield: 202.9 bu/acre

## GROSS RETURN

Corn Price: \$4  
Grower Standard Gross Return: \$1,014.50/acre  
Treated Gross Return: \$1,014.50/acre

## Gross Return Check v. Free Phos 24



Yield Map of Whole Field