

2023 South Dakota Corn Trial Free Phos 24 v. On Target

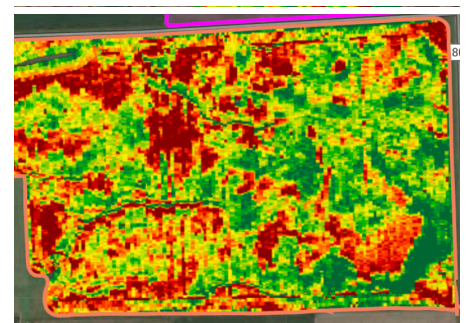
In a side by side corn trial conducted in Platte, South Dakota, the objective was to evaluate the performance of two distinct treatments, Free Phos 24 and On Target, on crop yield. The trial involved the planting of two varieties, B01V22AM and P0404AM, on May 12th, with the harvest occurring on September 16th.

For this study, both treatments were applied with uniformity. All sections of the field received a 2X2 application of 32% nitrogen. Specifically, 40 acres of the field were treated with 3 gallons per acre of Free Phos 24, applied in-furrow, while the remaining portion of the field received an equivalent application rate of 3 gallons per acre of On Target, also applied in-furrow. It's noteworthy that post-fertilizer and herbicide applications were consistent throughout the entire field, ensuring that the only variable considered was the choice of nutrient treatment.

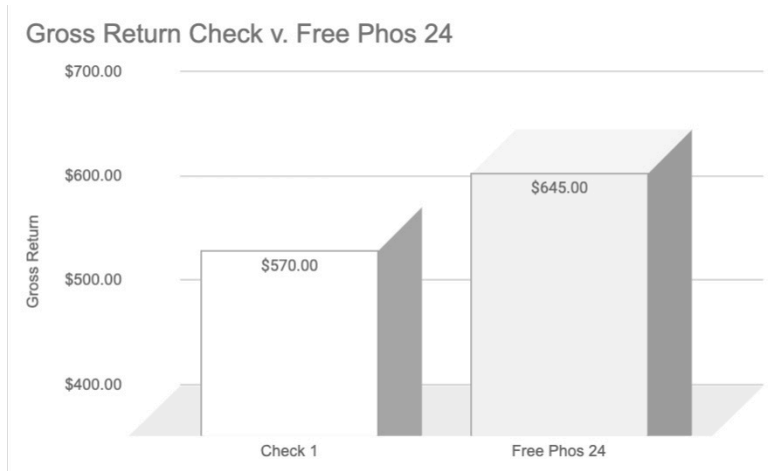
Upon harvest, the results indicated that the Free Phos plot **yielded an average of 129 bushels per acre**, while the On Target treatment yielded an average of 114 bushels per acre. These findings highlight the advantage of the Free Phos 24 treatment, showcasing its potential to enhance crop yield in this specific agricultural context.

TRIAL DETAILS

Crop: Corn
Location: Platte, South Dakota
Plant Date: 5/12/2023
Harvest Date: 9/16/2023
Tillage: Conventional
Varieties: B01V22AM, P0404AM



Yield Map of Whole Field



GROSS RETURN

Silage Price: \$55/ton
Check Gross Return: \$570/acre
Free Phos 24 Gross Return: \$645/acre

CHECK

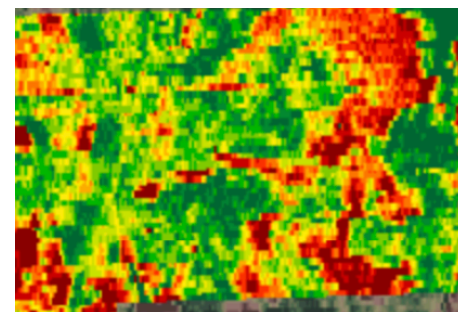
3 gal/acre - On Target - in furrow

TREATED

3 gal/acre - Free Phos 24 - in furrow

AVERAGE YIELD

Check Average Yield: 114 bu/acre
Free Phos 24 Yield: 129 bu/acre



Yield Map of Free Phos 24 Treatment