



675 Central Drive Skyway Industrial Park Presque Isle Maine 04769 207-768-0781

MKP PLUS FOLIAR PHOSPHORUS AND POTASSIUM RESEARCH BRIEF

Background

The last few years there has been seasonal conditions that has resulted in lower than desired phosphorus levels

This is difficult to correct during the season because there are limited sources of phosphorus to apply phosphorus.

CCC developed a product called MKP Plus which contains soluble phosphorus potassium zinc boron and magnesium.

Experimental protocol

When tissue analysis on a field of russet Burbank showed deficient levels of phosphorus, we began to apply MKP Plus at 2 quarts per acre 3 times 5-10 apart

Results

Tissue analysis showed an increase in phosphorus and potassium with the application of MKP Plus.

Phosphorus increases with the application of MKP Plus and the seasonal decrease in phosphorus is less when MKP Plus is applied. It is critical in tissue phosphorus is keep phosphorus levels as high as possible for as long as possible to get the highest yields

Potassium increases with the application of MKP Plus and continues to stay at or above initial levels. A higher level of potassium will allow with the plant to pump water and phosphorus is the energy to pump water and nutrients.

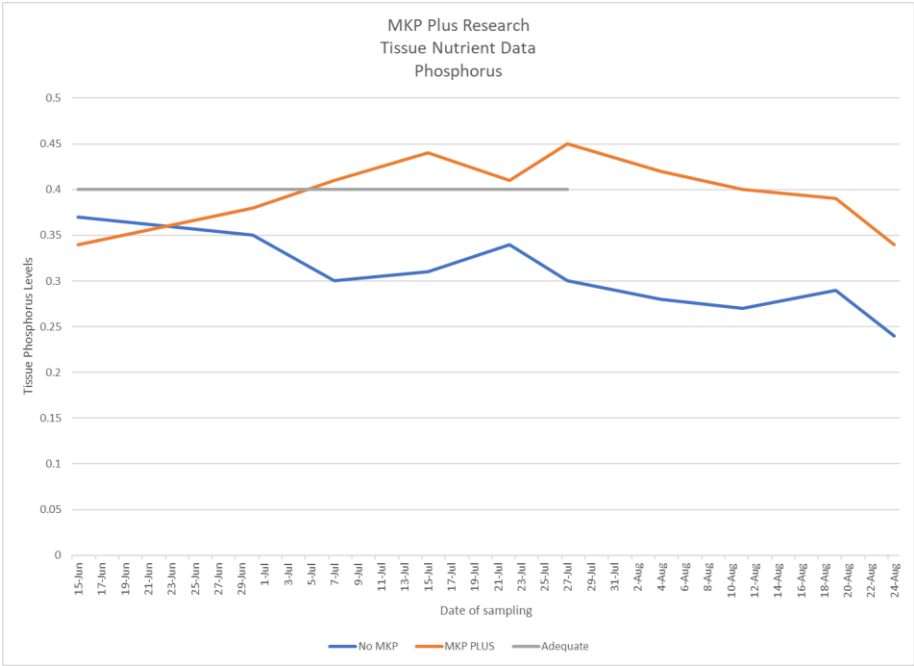
There was a 4% increase in yield

4% increase on a 350 cwt yield results in 14 cwt at \$10.00 per cwt is a \$140.00 per acre increase in yield for a \$14.00 cost.

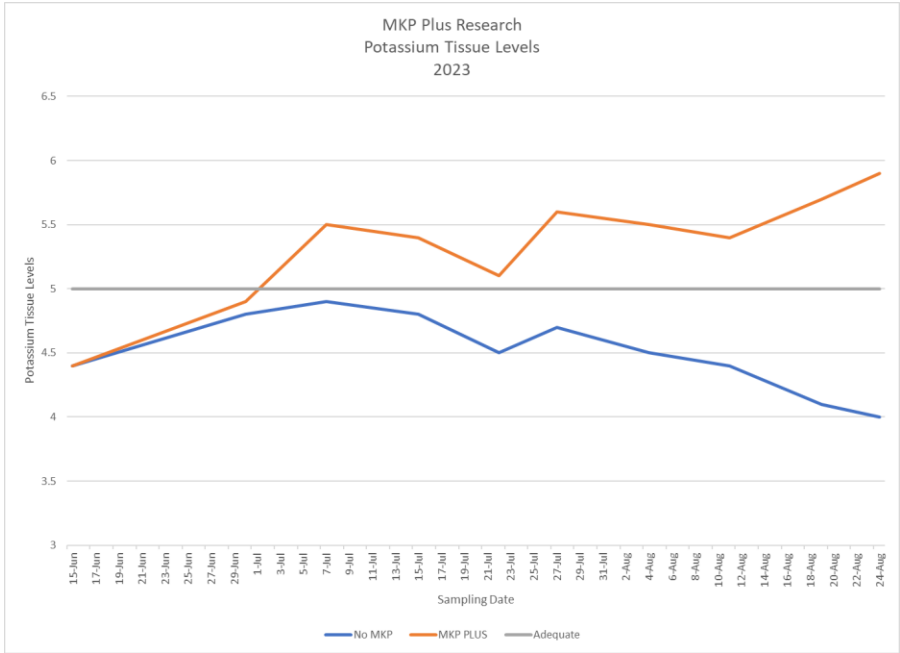


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Tissue Phosphorus Data



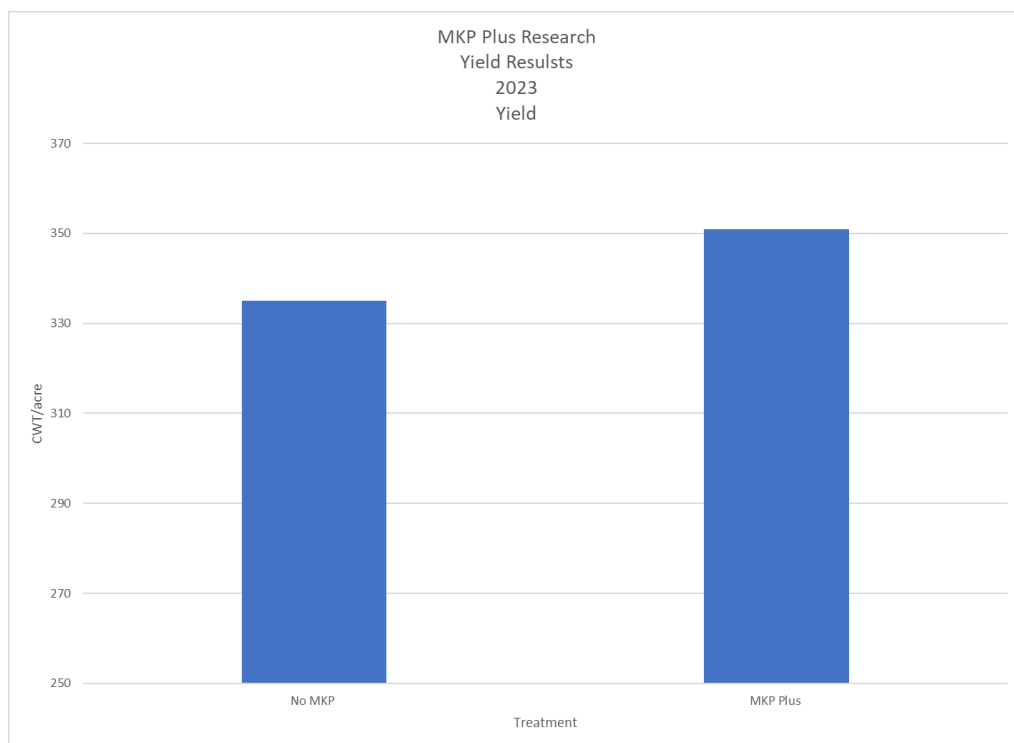
Tissue Potassium Data





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Yield Data



Conclusion:

When there are tissue levels that indicate the need for increased phosphorus or potassium levels you should use MKP Plus

The addition of MKP Plus

1. Improves tissue phosphorus levels
2. Improves tissue potassium levels
3. Increases yield by 4%
4. Increases revenue by \$140 per acre for a \$14 per acre investment.

This data is only for a crop that is showing a tissue nutrient levels that are deficient

Future Research

Research will be conducted on crop that is not deficient in tissue phosphorus levels