



# Change in Tissue Levels Following Foliar Applications

North Central Research Station (Michigan): 2023

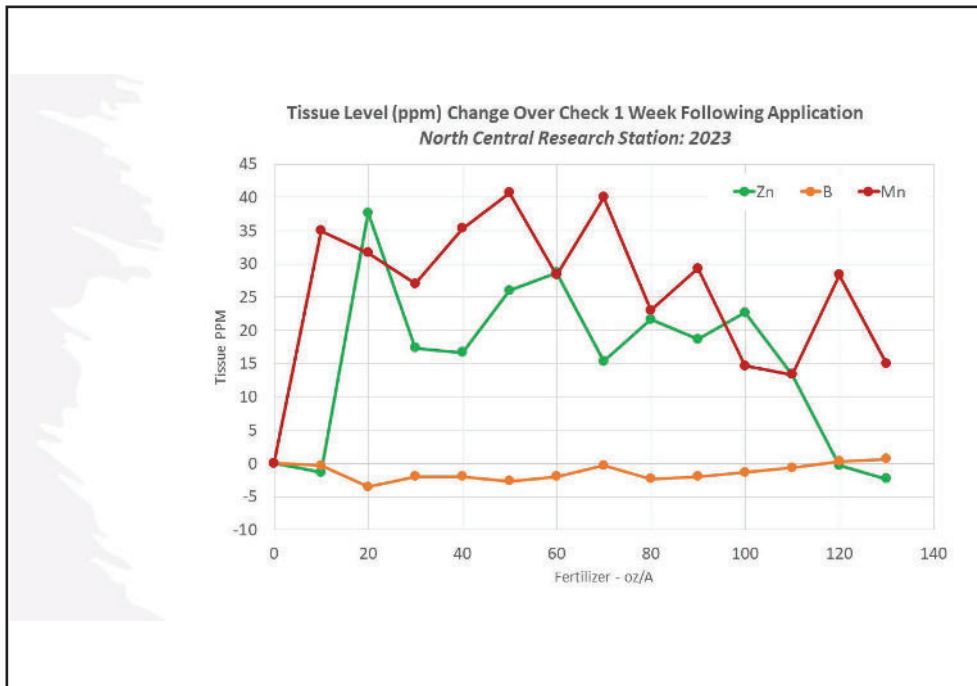
Experiment Info
Planted:
Harvested:
Yield Goal:
Variety:
Pop.:
Row Width:
Prev. Crop:
Plot Size:
Reps:

## Objective:

The question was raised, will a foliar application of a micronutrient increase tissue test exponentially as application rate increases? The goal would be to have data to determine what rate should be applied foliar to increase a tissue test to a desired level.

This trial was established at the North Central Research Station evaluating tissue response to foliar applications of MicroLink Zinc, Boron or Manganese. Each nutrient was applied increasing rates 10 oz/A from 10-130 oz/A. Tissue analysis was done 1 week following application. The chart below shows the response in tissue ppm at each rate over the no foliar check.

Soil Test (ppm)
pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:



## Conclusions:

- There was no exponential response in tissue levels by rate of all three products tested.
- MicroLink Boron did not significantly change tissue levels over the no foliar treatment.
- MicroLink Manganese and Zinc did have higher tissue levels then the check following application, however no trend could be determined with increasing rates.
- Too many factors go into tissue results making them hard to determine fertilizer response in ppm at specific rates of applied nutrients.