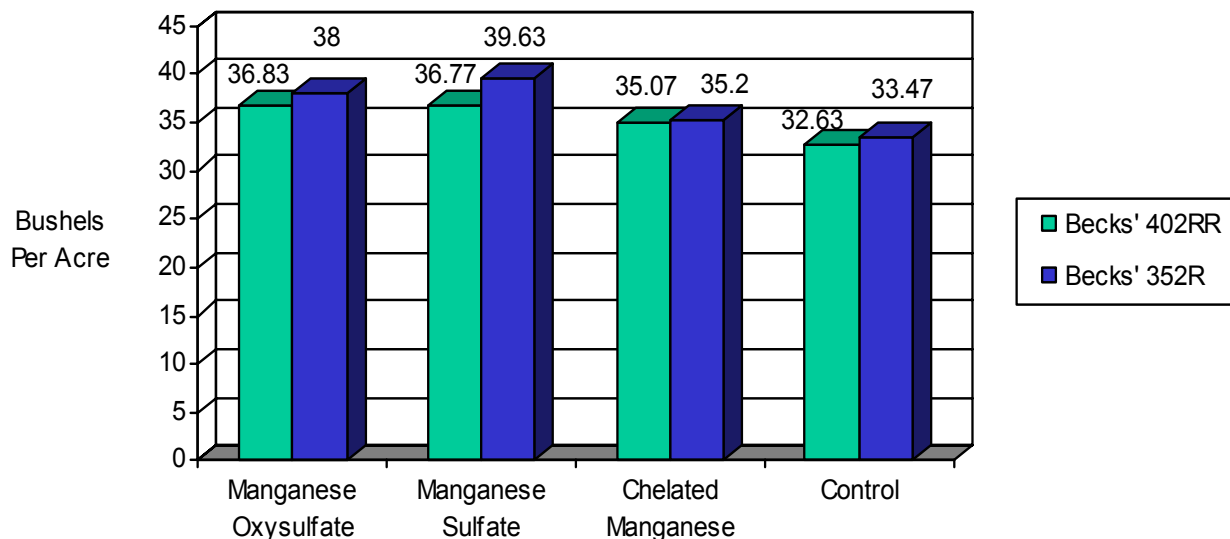


AGRINUTRIENT MANGANESE ON SOYBEANS



Protocol

Test Crop: Soybeans

Treatment: Normal fertility program with Micros versus normal fertility program without micros on silty clay loam soils deficient in Manganese.

Location: Martinsville, IL

Year: 2001

Key Results

- 1) 5 bu/ac yield increase vs. non micronutrient plot.
- 2) Demonstrates Availability not Solubility is key.
- 3) Economically, oxysulfate input cost is significantly lower than sulfate.

Research Conclusions

Manganese is only recognized by the plant in the elemental form. It is apparent that the Oxysulfate, less soluble than a Sulfate, is Available to the plant throughout the growing season. The Oxysulfate formulation reacts with the organic matter and humus in the soil over a period of time.