

Zinc fertilizer response on soybean

Summary: NDSU applied zinc fertilizer on sites with soil zinc tests below 0.5 ppm. If soil tests show zinc levels below 0.5 ppm, application of zinc is often recommended. However, when we evaluated yield, we found no response to either soil applied or foliar applied zinc. Leaf tissue tests showed that the soybean plants were able to get enough zinc into the plants without the application of zinc fertilizer. We never found a yield response to zinc fertilizer, even on sites where soil zinc was very low.