



## ***Fine-Tuning Foliar Feeding***

*7/3/2013*

At our January 2013 seminar Dr. Roch Gaussoin of the University of Nebraska-Lincoln shared lots of information and data on foliar feeding. Some of the expertise he shared was published in our mid-April **Ground Work** articles.

By incorporating Dr. Gaussoin's research and experience, we've been able to put even more pieces of the foliar-feeding puzzle together and fine-tune our foliar feeding products and recommendations.

**How do we determine which products and nutrients you want/need to foliar feed?** We look at background data – soil tests, tissue tests, farm/yield history, this season's information, etc. Then we count on some wisdom to interpret all of the above, because there are no straight lines in agronomy.

**New piece #1. BIOMIN product line.** We have added the BIOMIN amino acid chelate product line for organic producers this year. The BIOMIN chelates are available with zinc, manganese, copper, iron and calcium. Also available: boron and calcium/boron together.

**New piece #2. Accelerator.** We introduced Accelerator in the May 31st **Ground Work**. Accelerator is a clear solution for stressed crops, or for "putting the icing on the cake" (making a good crop even better)!

**New piece #3. Foliar research plots.** We are watching and creating plots in a field here at Princeton. It is high quality soil capable of 200+ bushel continuous corn.

- Applied with the planter was a liquid starter with an analysis of 82-38-5-6S, one-half gallon Trace Pak and 3 gallons SP-1™. Dry potash was fall applied.
- Prior to sidedressing, soil samples were taken for nitrate testing and whole plants were clipped and tissue tested. Tissue test results:
  - Sufficient-to-high: nitrogen, phosphorus, potassium, calcium, sulfur, sodium, iron, boron, copper
  - Low (on well drained soil): magnesium, zinc. This soil is abundant in magnesium but yet tested short in the tissue. This is a common occurrence. We have found nice yield increases over the years adding magnesium into starters and sidedress mixes. Because a sidedress application was planned we added our Magnesium L product into strips for testing as well as additional zinc as called for with the tissue test.
- We also have applied our new Accelerator foliar product with checks. Accelerator will provide NPK (nitrogen, phosphorus and potassium), magnesium and traces. We will do further tissue testing to observe if we can correct the deficiencies of magnesium and zinc.



**New piece #4. WakeUp Summer.** As Dr. Gaussoin stressed at our meeting, the right tank mix partners in foliar fertilizers are “important-to-critical”. We now have on hand one of the most tested surfactants we know of. WakeUp Summer made an observable difference in how our Accelerator foliar “layed down” and spread out on the upright waxy corn leaves. Try some on your forages or row crops and observe for yourself. See more WakeUp Summer information at [www.renewablefarming.com](http://www.renewablefarming.com).

***Whether your crops are stressed, or you are in one of the few garden spots this year, AgriEnergy Resources has products and principles to help you implement and fine-tune your foliar feeding program. Foliar feeding can make a BIG difference! Call your AgriEnergy representative today.***