

MicroZorb

Utilizing the latest nanotechnology, MicroZorb provides a highly efficient and effective source of essential micronutrients, coupled with fulvic acid, and vitamin-hormone complexes. These essential nutrients, even though required in very small amounts, can have a significant positive impact, particularly if any deficiency is present. MicroZorb ensures that at critical crop growth stages there is no deficiency.

MicroZorb is designed to be applied as a foliar product. Although using only chelated trace minerals, MicroZorb further encapsulates these minerals with amino acids to provide even more efficient plant absorption. The fulvic acid and vitamin-hormone complexes provide not only even greater plant absorption, but can have a positive impact upon plant metabolic activities. It is designed to both accelerate plant development and to greatly reduce plant "shock" from application of herbicides.

"Herbicides are a type of pesticide toxic to plants specifically, because they inhibit metabolic pathways unique to plants (e.g. photosynthesis). Herbicides are used successfully in weed management systems because they selectively harm sensitive weeds while leaving crops undamaged. Many factors contribute to successful herbicide action (e.g. successful placement or absorption and movement to target sites); however, the major reason herbicides are selective against weeds in crops is because crop plants are able to metabolize the herbicide to a non-toxic form. The basis for herbicide selectivity relies on enzymatic systems used in the plant's normal metabolic processes." (USDA/NIFA; Plant and Soil Science eLibrary, 2017)

It is our contention that even in plants that are able to successfully metabolize herbicidal compounds, the plant can still be "disturbed" for a period of time as this chemical breakdown is taking place. In early trials of product development, where MicroZorb was applied, the crops (corn and soybeans) did not stall in development. Below is a photo of an ear of corn from turn rows where a double application of herbicide was applied. Obviously there was a serious metabolic disturbance during ear development.

Benefits:

- **Highly efficient plant uptake of foliar applied minerals.**
- **Enhances plant uptake of any foliar applied product.**
- **An increase in overall plant metabolism.**
- **Acts somewhat as a "safener" for non-target plants, reducing overall "shock", or "stall" from applied herbicides.**
- **Improved dry weight, and yield increase.**



being "green" when green was simply a color