

## Why choose a Sugar chelated micro nutrient over a non chelated micro nutrient?

Ever take a multi vitamin pill that is chalky and if you bite into it. It will taste like chalk? That more than likely is made from one of the most readily available sources of vitamins on earth. It's a mined source. It's inexpensive and there is plenty of it straight out of the ground. Carbonated vitamins or in other words zinc carbonate, iron carbonate, manganese carbonate, magnesium carbonate, etc. In fact from A to Z there is a carbonate source. Guess what our body can't absorb carbonates in their present form readily. It must be reacted with an acid to make is useable. So in many cases we may take our vitamins but only absorb a fraction of them and the rest we don't absorb is waste. This principle is Similar to fertilizer micro nutrients that are not chelated. The plant can't readily use them and much of them are wasted. Your granular fertilizer may say it has micro nutrients, but if the plant can't uptake them. Then much of what we put in the soil (via granular) will stay in the soil from which it was taken. Why pay extra to leave it in your soil where it may never be used? Chelating a micro nutrient will ensure your plant will have a much better chance to use that micro nutrient. Basically the chelating agent turns the micro nutrient into a readily available form, so the Plant, can use it. Whether you apply it via foliar spray or apply it to the Roots via ground injection. A chelated micro nutrient version will be more available.

Even if your soil test says you have lots of micro nutrient in your soil it may never be used because the plant can't pick them up. Micro-Nutrient levels may be high or sufficient on your soil readings, but are not always available to the roots. Visual inspection or leaf analysis is the best way to determine if you have a micro-nutrient deficiency. The best way to fight a micro-nutrient deficiency is to guard against it by incorporating a micro-nutrient spray into your spray program.

Now that we understand why we need chelated micro nutrients, let's break that down into EDTA (Chemical chelates and Sugar Chelates or Organic acid Chelates).

We chelate our micro-nutrients with a sugar based food product. This chelate helps the plant absorb the material better and more effectively and acts as a sugar source after delivering the micro-nutrient to the plant.

Sugar chelates are extremely useful that when it delivers the chelated nutrient to the plant, the nutrient is absorbed and used by the plant, then the left over carbohydrates molecule energizes the plant and gives it a boost of energy. There is no crash after either due to the fact the plant just absorbed vitamins which will give it strength.

Results should be noticed within days after spraying our sugar chelated micro-nutrients.

UAS of America, Inc has grown to become one of the leading suppliers of Micro and Macro nutrient liquid manufacturers in Florida. We can custom blend many different micro-nutrients variations of your choice and preference and all at a competitive cost. The following pages are just a fraction of what we have available.

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