

Iron Deficiency Chlorosis (IDC), what is it, how do you solve it?



Farmers, The symptoms of IDC are interveinal chlorosis of the leaves with the leaf veins remaining dark green. The enzymes involved in chlorophyll formation need iron, so when active iron (Fe) is low in leaves, chlorosis occurs. The soil usually has a large amount of iron but it is not in the soluble form needed by the plant. The most soluble form in oxidize soils is $\text{Fe}(\text{OH})_3$. Plants prefer to take up the reduced form of iron (Fe II). Type I plants, such as soybean excrete acids (exudates) from their roots to help extract iron from the soil. The acids make the $\text{Fe}(\text{OH})_3$ more soluble by solubilizing it into more soluble Fe (II). With high pH soils this process is not always as efficient as needed so the plants show IDC.

Aqua Yield NanoPack, when applied at spraying, over the top of the plant increases the plants ability to mobilize iron. With the balanced formula of micronutrients, specifically, Iron, Manganese and Zinc. These micronutrients increase plant health and root exudates. This allows the plant to mobilize more iron from the soil and convert this to the iron (Fe II) form. This reduces the IDC in the plant, creating the stronger plant, increasing root exudates for other nutrients and yield potential. This is the most economical form of iron on the market to reduce IDC.



Aqua Yield products can be tanked mix with herbicides during the same time and anytime during the season.

BEEF COW Management Monthly Checklist – June



Rancher here are a few tips for the Month of June

1. **Nutrition:** For maximum carrying capacity, rotate pastures if possible, Do not overgraze pastures.
2. **Health:** Control Flies in herd, Cows not coming into heat are probably due to nutritional deficiencies.
3. **Reproduction:** Turning bulls in with cows herd for March-April calves. Check bulls daily for condition and breeding capacity.
4. **Marketing:** Continue to study August and September 700- 800 pound feeders cattle prices.
5. **Business Planning:** Decide if contracting your selling price now would be profitable or if it would be profitable to continue absorbing all of the of price risk.

