



# Foliar Chemistry FROM DELTAG

**DeltAg's** formulations involve three critical factors to efficient uptake and translocation of nutrients. This approach was developed over many years of working on farms with formulations and tissue analysis before and after applications.

## **DeltAg's Mid to Late Season Foliar - Product Development History**

**Initial Fruiting Formula:** As far back as the Mid-80's, here at **DeltAg** we were formulating what we referred to as our **K-Foliar**. This formula was applied, primarily on cotton, rice and soybeans. This formula was a 10-0-10 analysis with 0.15% boron. It was formulated with feed-grade urea and white KCL with each gallon containing the standard foliar **Boron Plus** rate of 4 ounces as well as 8 ounces of **PercPlus**. With a slightly low pH (5.8), this formula was being applied at one gallon per acre in as little as two gallon total volume on a weekly schedule for up to five weeks with great success in holding and sizing fruit and was generating yield increases ranging from 5 to 15%. With quick absorption, there was no salting out of the N or K and therefore, no burn.

**Fruiting Tank-Mix Combo:** The **K-Foliar** formula worked very well, but was cumbersome for **DeltAg** at a bulk one gallon per acre application rate. We handled this issue with the use of 275 gallon totes and occasional tanker orders. In the mid 90's, we developed our **Potassium Plus** as a low rate K source. With that, we began to recommend a tank mix of **Potassium Plus** @ 32 Oz, **PercPlus** @ 8 Oz and **Boron Plus** @ 4 Oz. This Combo was used on cotton, soybeans and rice with results that were better but more importantly, more consistent than the **K-Foliar**. In more recent years, this foliar combo was being used on everything from tobacco to vegetables and watermelons. This combo foliar soon became **DeltAg's** standard '**Fruiting-Bulking**' Foliar and on many crops was primarily applied with fungicides. The down side to this original Tank-Mix Combo was that, even though we got away from a bulk product and to a jugged product, we were using three different products at three different rates that had to be tank mixed along with pesticides. Another mixing issue was that we had to recommend that growers ALWAYS dilute **Potassium Plus** in bulk water before adding other ingredients to control possible excess foaming.

**Finally One Product-One Rate:** After several years of formulating and field testing, in 2008, we finally introduced our Combo Fruiting-Bulking product **CropKarb**. This formula delivers the same three **DeltAg** products, but in one formula in one jug and all at a total application rate of 32 ounces per acre. Since 2008, **CropKarb** has proven to be superior in performance and ease of application to the three-way combination and the bulk formula. **CropKarb** is now being utilized on many crops at the heavy fruiting or bulk-up sizing phase of crop development with exceptional results.

Johnny McRight, *Foliar Chemistry Article*; August 7, 2007. **Fruiting Foliar Article**; Updated March, 2012