



DeltAg Product Brief
April 25, 2013

Cold Weather Stress and Crop Delays

Somehow it's hard to believe that across the southern states, with just a few dry days, we managed to get a corn crop planted and up within the proper window. A month later we still have seedling corn just sitting there, waiting on warmer weather.

There are many chlorotic symptoms interfering with proper development of these crops. This chlorosis has been identified as deficient zinc, magnesium, sulfur and even manganese, while other symptoms are from frost damage, sand blasting and more. While there are some good folks out there that would say these symptoms are cosmetic and will not hurt yield, at **DeltAg** we believe "**Time is Money**" and any significant delay in crop development delays maturity and will most likely cause yield loss. Our focus is "Crop Health". A healthy plant always has better yield and quality.

These observed deficiencies, while identified as zinc, magnesium or whatever, in most cases, are not caused by soil deficiencies, but are caused by cold weather and slowed growth. This is a situation that can and has been remedied many times over the years. While we wait for warmer and dryer weather, there is no reason to continue to watch this crop just sit there.

With these conditions, at **DeltAg**, we have for years, recommended either foliar **Zinc Plus** or **Magnesium Plus** at a quart or when applied together, a pint each. This combo has worked to help get these cold weather corn fields over the hump. Today, our standard recommendation is to apply **MicroVite** at a quart. This quart of **MicroVite** contains the equivalent of one pint each of **DeltAg's** Zinc, Magnesium and Sulfur and a smaller amount of Manganese and Copper. As a foliar, **MicroVite** was developed for this very situation and has proven itself over time. When these crops are severely chlorotic, we will recommend **PercPlus** @ 12-16 oz per acre in addition to the **MicroVite**.

"An Ounce of Prevention is worth a Pound of Cure" For folks that have not yet planted, consider **DeltAg Seed Coat** (a dry hopper box treatment). We also use **PercPlus** @ 8 oz per acre in-furrow with or without starter fertilizer to help young seedling crops to the next stage of development. When these crops stick their head up after emergence, we foliar apply **PercPlus**. All of this is to help these crops to not get set-back by situations like we are experiencing right now. During these cold wet days we have heard from and observed many fields that were treated with these products in advance that are looking good with very few issues.