



P.O. Box 4812 Greenville, MS 38704
Office: 662-332-3555 www.deltagformulations.com

DeltAg Product Brief
April 28, 2010 by Email

Cold Nights and Seedling Stress

Wow! It seems only a week ago, we could ride the highways and see lush-green, fast growing seedling corn seemingly reaching for the sky, rice emerging to a green tent across fields and rows of green soybeans. Ten days later, after another cold front slams the Southeast, we see stunted purple/yellow corn that has all but quit growing, white suffering rice and yellow soybeans. Yes, cold nights after a great start seem to always set our crops back.

Already, growers have applied a combination of *Percplus* @ 12-16 ounces and *MicroVite* at 24-32 ounces. The results have been very good and more importantly, the more recent very cold nights, while really stomping some crops, does not appear to have bothered these treated fields. If we can get out of this cool weather cycle, our crops will recover and begin to develop normally. The question very simply is when will it green-up and begin to grow normally? Some fields will green up quicker than others while some will sit for one or two weeks before recovery begins. I wish we knew how long the cool weather will last and which fields will recover quickly. Not knowing, we should certainly focus on those areas that are showing the worst stress. Obviously, fields with severe chlorosis and stunting should receive the higher application rates.

This cold weather impact on fast growing lush crops, continues to create slowed growth and additional stress. Do not look at this chlorosis and convince yourself that the purple is phosphates anymore than the yellow/white is zinc or the purple striping is magnesium. This chlorosis, in most cases is not a soil deficiency, but the inability to metabolize available nutrients.

Applying *Percplus* is the first step in getting these plants “over the hump” and growing again. The *MicroVite* is a great combo formula containing as well as significant amounts of magnesium, copper, manganese, zinc and sulfate sulfur. Efficient use of phosphates and nitrogen require these other nutrients.

On a final note, we often apply *Percplus* and *MicroVite* with glyphosate or other herbicides with great success. Remember, a stressed crop is better served if it is treated and allowed to recover from stress before herbicides are applied, possibly creating additional stress. RR crops are more tolerant than resistant to glyphosate and that tolerance is becoming more and more questionable.

Apply *Percplus* & *MicroVite* Today!

For more information call **DeltAg** or you local supplier today!
DeltAg Product Brief: For more information or to receive a copy, Email info@deltagformulations.com