



Updated November 17, 2008
(September 20, 2002)

DeltAg Product Brief

Establish Winter Wheat

Prepare Your Soil for Next Year

Life in the Soil: In agriculture we have known for over 100 years, that our soils are alive with what we know as *micro flora*. This is all of the micro-organisms that **MUST** be present for our soils to function and allow plants to grow. Bacteria, algae, and yes, even nematodes, are not only present, but necessary for your soils to be healthy and productive. Certain strains of *micro flora* are required in order for specific nutrients to convert to forms that your crop can use. The growth and activity of these bacteria are the only source for oxygen in your soil. Without oxygen, your soils become compacted, tight, hard and dry.

At *DeltAg Formulations*, we have a product, *Soil Solution*, designed to stimulate the *micro flora* in your soils and more specifically to stimulate the breakdown, or composting, of post harvest crop residue. This is done by way of stimulating the bacteria, as well as introducing specific enzymes to allow these bacteria to more easily feed on crop residue. In other words, we are “**feeding**” your bacteria. Many products have come and gone that attempt to apply more bacteria to your soils. *Soil Solution* feeds the existing *micro flora* that have already adapted to the environment of a cultivated soil and have survived the many practices that hurt their natural processes. To enhance bacterial activity is to improve the overall health of your crop fields. More bacterial activity means more Oxygen, more nutrient availability, more water holding capacity, and better yields.

Soil Solution has been formulated and marketed (as Nutrilase) by *DeltAg* since 1988 and has many years of proven success in the field.

Soil Solution may be applied at 24 ounces per acre broadcast and incorporated. In no-till situations, a rate of 32 ounces is preferred and rain incorporation is necessary for activation to be successful. Fall or Spring application, but remember, ‘It Takes Time’!

“True wealth comes from the soil.”

Germination: We all know the best wheat crop has to have a healthy, vigorous start, good tillering, and be well established before Winter cold hits.

DeltAg has a dry, flowable biostimulant formulation designed for hopper box treatment of seed in the field at planting.

DeltAg Seed Coat, applied at 4 ounces per acre, contains the *DeltAg* “active” chemistry containing *vitamins, amino acids, enzymes* and nutrients required to enhance the bacterial activity in the rizosphere surrounding the seed as it is laid in the soil at planting. The healthy activity of bacteria immediately adjacent to the seed is critical for good germination and emergence. Research has shown *Seed Coat* to enhance seed germination by 10% to 20% in row crop agriculture.

Root Development: The physiology of plants is such that a better start with more vigor lends itself to proper root development and a continued advantage in further crop development.

Seed Coat applied to wheat seed has shown better germination, better emergence, a better survival rate, quicker growth, and more tillering. All of this is because of a healthier environment surrounding the seed itself.

Improve Fall Tillering Proper tillering is the next phase of crop development that poses a threat to final yield potential. Many growers have found that a follow up application of *Percplus* at 24 ounces per acre broadcast at first tillering will enhance the wheat crop’s ability to continue to tiller at a healthy rate. We all know that more tillers equals more yield, but we at *DeltAg* believe more natural tillering due to a higher level of vigor will be very beneficial to final yield.

Start your wheat crop with *Seed Coat* at planting and follow with foliar *Percplus* and establish good yield potential in the Fall.

No catch up in the Spring!

DeltAg Product Brief: *DeltAg* dealers receive this series of Product Briefs. If other members of your staff would like to receive a Brief, we will gladly add them to our list of recipients. **Call DeltAg Today! 662 332 3555**