

It's the Pits

Direction without Doubt... Regarding Your Manure Crop Nutrient Management

In life, consequences always follow any decisions that are made. A manure crop nutrient program is no exception. The decisions made on the what, when and how to manage manure and crop nutrition definitely impacts yields, quality and ROI.

Many growers, today, with swine finishing barns have access to the manure for crop production. Others that have livestock, realize now, more than ever, the value of manure in their crop nutrient program, especially with the increasing cost of commercial fertilizer.

ProfitPro has designed two programs to help livestock producers maximize the nutritional value of their manure. The first is the **Manure Master™ Program**, a three-step process, that includes proper manure bioaugmentation, manure enhancement at-application and improved manure nutrient efficiency in-season.

The objective of the Manure Master Program is to reduce the negative attributes and enhance manure value. The Manure Master Program offers the following improvements and advantages: manure utilization; nutrient retention and balance; application ease and uniformity; facility longevity; agronomic efficiency; and economic improvement. In-field research shows a 5 to 15 percent yield improvement the first year with the Manure Master Program (refer to 2012 September Newsletter for more details of the program).

The second program is the **Crop AdvantagePlus™ Program**. The objective of the program is to evaluate the

nutrient status of soils to achieve optimum soil nutrient balance and crop productivity. By matching up the current soil nutrient analysis, the manure nutritional analysis to be applied and any supplemental nutrient applications, a higher ROI with overall crop nutrient program can be achieved. The Crop AdvantagePlus Program puts the operator in control of their crop nutrient investment. These two programs are designed to enhance and leverage manure nutrient value in the following ways:

- Improves nutrient value and retention by biological cellular nutrient storage
- Consistent nutrient uniformity from start to finish
- Triggers an explosion of beneficial soil microbes
- Breaks down manure and soil salts
- Pre-digested “no lag phase in field”
- More in-field application uniformity

The key objective is to balance soils for an optimum return on a total crop nutrient program.

A tailored and decisive crop nutrient plan that will spell out the what, when and how can be provided. The plan will reduce fertility input cost and improve yield the first year.

The **Crop AdvantagePlus Program** includes the **Soil Mineral Balancer**, **Crop Nutrient Calculator** and the **Crop AdvantagePlus Program planner**.



Crop AdvantagePlus Program:

The Crop AdvantagePlus program is about achieving maximum economical output, controlled input cost, and improved consistence and productivity on your crop base. The key is to grow our asset base and improve profitability. The focus should be profitability and not just yield per acre. This includes a focused crop production and marketing strategy. The Crop AdvantagePlus program achieves its maximum potential when nutrient availability, including all trace elements that are often forgotten about, are balanced and enhanced. To accomplish this, beneficial microbial activity must be promoted throughout the crop system.

The Crop AdvantagePlus Program is designed to:

- Enhance the value received from manure and plant nutrient investment
- Increase quality and quantity of output
- Improve return on investment/profitability

- Increase Brix levels (12 or higher)
- Improve the health of the soil-ecosystem
- Improve the sustained energy level of the soil
- Lower input cost
- Reduce dependency on pest control agents
- Reduce plant nutrient input cost
- Enhance the natural self-sustaining system
- Create a healthy working environment
- Pass on a renewable farming strategy to the next generation
- This will be accomplished by balancing soil nutrients, reducing toxicity, building soil microbial diversity and increasing soil carbon and oxygen levels.

“Take care of the soil and the soil will take care of you.”

—Dr. Jim Ladlie