NITROGEN PRODUCTS . . . WHAT'S THE DIFFERENCE?
"NITRO PLUS"

Nitro Plus was developed in 1988 … 10 years ago. The percentage of growth exceeds any other commercial form of nitrogen. Due to its cost (twice the cost of nitrogen solution), the major use has been on horticultural and potato crops. Use is beginning to grow on corn, wheat, and soybeans.

Nitro Plus is a liquid form of nitrogen. It contains amine nitrogen, calcium, and magnesium. The amine nitrogen is inhibited from changing to ammonia.

There are three nutritional ingredients

- Nitrogen
- Calcium
- Magnesium

The amine complex acts like a cytokinin hormone. This is indicated by the growth characteristics of the plants … massive roots and lateral branching. The plants normally have shorter internodes and resist "early dying".

The calcium is a big ingredient. It protects plant against stress ethylene (caused by nitrogen). It also makes strong cell walls which increases quality and lessens problems of post harvest storage and shelf-life. The above function makes the plants more disease resistant.

Magnesium is added because it is often a limiting nutrient when high rates of calcium are used. Also, no till farming is increasing K in the upper levels of soil which "competes" with calcium and magnesium.

There has been university research that shows 100 lbs. of N from **Nitro Plus** will give yield increases (corn) almost equal to 200 lbs. of N from other sources … urea, ammonium nitrate, nitrogen solution.

This may sound strange. For many "traditional thinkers" it is hard to accept. How can we understand it?

Nitrogen increases all hormones. This will increase yields during good growing conditions.

When the plant experiences "stress", the hormone balance will drastically change and yields can be reduced.

Amine nitrogen does not cause this high hormone increase … for all hormones.

Nitro Plus will protect the plant against hormone imbalance during stress periods.

There will be significant yield increases during "stress years." During non-stress years, yield increases will be less. During all years, the quality of the crop and post-harvest conditions will always be better. It appears that the energy level for feed grain and silage is increased.

"WE CAN ONLY LEARN BY UNDERSTANDING THE LANGUAGE OF THE PLANT."

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