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Report To
PLANT LIFE LAWN CARE
RR # 1
ATTICA, OH 44807

Prepared For
Account - 23412
ALBERT BISTNER

Sample Information

Sample ID	MC2N
Lab Number	PL89001
Soil Lab Number	Y18759
Sampled	05-08-2006
Tested	05-11-2006

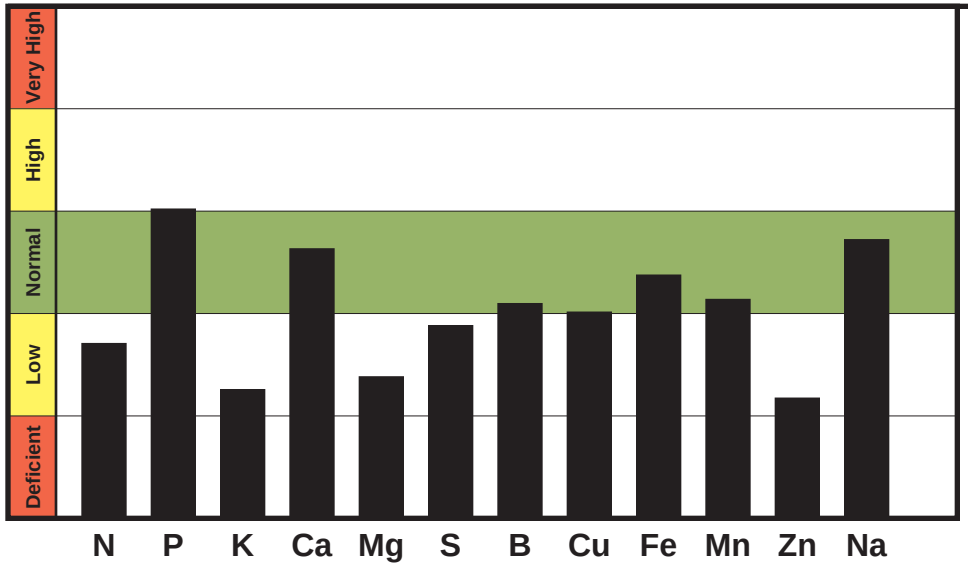
Plant Tissue Analysis Report

Type: Corn *(Zea mays)* **Part:** Ear Leaf **Stage:** Bloom

Plant Test	Result	Normal Range
Nitrogen	2.7 %	3.0 - 4.0
Phosphorus	0.47 %	0.3 - 0.5
Potassium	1.7 %	2.0 - 3.0
Calcium	0.7 %	0.2 - 1.0
Magnesium	0.13 %	0.2 - 0.6
Sulfur	0.17 %	0.2 - 0.4
Boron	6.8 ppm	5 - 25
Copper	5.1 ppm	5 - 20
Iron	111 ppm	30 - 250
Manganese	37 ppm	20 - 150
Zinc	15 ppm	20 - 70
Sodium	2500 ppm	0 - 3500

Soil Test	Result	Normal Range
CEC	10.4	
Soil pH	6.6	6.2 - 6.8
Buffer pH	0	
Organic Matter	1.9 %	
Phosphorus	99 m3-ppm	50 - 80
Potassium	149 m3-ppm	150 - 240
Calcium	1900 m3-ppm	1400 - 1900
Magnesium	122 m3-ppm	160 - 310
Sulfur	30 m3-ppm	20 - 40
Boron	1.38 m3-ppm	1.7 - 2.6
Copper	14.4 m3-ppm	0.1 - 15.4
Iron	78 m3-ppm	9 - 40
Manganese	62 m3-ppm	1 - 147
Zinc	3.9 m3-ppm	4 - 11

Plant Tissue Nutrient Levels



Comments from Agronomist Scott Anderson

This sample is low in N, K, Mg, S, and Zn. The 140 lb N/acre application was not enough to adequately supply the crop. The low plant N has caused a proportional decrease in S uptake, which often happens. Weak N uptake also normally reduces the uptake of other nutrients somewhat. While the soil K is marginally in the Good range, the application of only 8 lb/acre of K2O in the row was not enough to supply the crop adequately. A soil test should be in the upper end of the Good range before we would expect that row fertilizer alone would meet crop needs in a normal season. The Mg is low in the plant for two reasons. First, the weak N uptake probably reduced the uptake of Mg somewhat. However, it is also somewhat common to see the Mg levels in the crop drop as the soil K level begins to exceed the soil Mg level. If you plan to increase the rate of K2O applied on future crops, you should include Mg also. Any additional K uptake is likely to further depress the Mg uptake. It is possible that the weak uptake of both P and Mg was depressed somewhat by the strong soil Ca levels. The low plant Zn is influenced by the low plant N, but the soil test Zn is also only Medium, and no Zn was applied.