

## PLANT ANALYSIS

<b>Send To:</b>	<b>Grower:</b>	Report No.: <b>18-094-0003</b> Cust No.: Lab No: <b>276634</b> Report Date : 4/5/2018 Page : 1 of 1
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Sample Id : **22105**

Growth Stage : **Prior to tasseling (V4-VT)**

Farm: Harper

Crop : **Corn**

Field id: **Field 9**

Plant Part: **Leaf below whorl (10+)**

Test	Analysis	Plant Test Ratings					Normal Range	Actual Ratio		Expected Ratio	
		Deficient	Low	Sufficient	High	Very High					
Nitrogen	%	3.31						3.00	N/S	15.0	12.7
								4.00			
Sulfur	%	0.22						0.15	N/K	1.5	1.4
								0.40			
Phosphorus	%	0.24						0.30	P/S	1.1	1.5
								0.50			
Potassium	%	2.24						2.00	P/Zn	82.8	87.9
								3.00			
Magnesium	%	0.16						0.15	K/Mg	14.0	6.7
								0.60			
Calcium	%	0.35						0.25	K/Mn	700.0	292.4
								0.80			
Sodium	%	0.06						0.00	Ca/B	500.0	338.8
								0.03			
Boron	ppm	7						5	Fe/Mn	5.3	1.6
								26			
Zinc	ppm	29						20	Ca/K	0.2	0.2
								71			
Manganese	ppm	32						20	Ca/Mg	2.2	1.4
								151			
Iron	ppm	171						30			
								251			
Copper	ppm	9						5			
								26			
Aluminum	ppm	119						5			
								301			

**Comments:**

02017) These plants are low or deficient in phosphorus. Possible causes included low soil phosphorus level, high soil pH, low soil pH, poor drainage, root damage or cool soil temperature. In season surface application of phosphorus on row crops is, generally, not recommended because phosphorus moves very little in the soil. However, for severe deficiencies, sidedress and incorporate 30 to 40 lbs of P2O5 per acre as early in the season as possible.