

Report Number
17-159-0088



2906 W. Clark Rd Champaign, IL 61822
Main 217-359-7680
www.waypointanalytical.com

Lab No:
107566

PLANT ANALYSIS

Customer Account Number :

Send To:

Grower:

Report Date : 6/9/2017

Page 1 of 5

Field id:

Crop : **Corn**

Sample Id : **Harold GDV 720**

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

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

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm	
Analysis	3.35	0.20	0.35	3.26	0.11	0.33	0.02	16	26	28	97	10	18	
Normal Range	3.00	0.15	0.30	2.00	0.15	0.25	0.00	5	20	20	30	5	5	
	4.00	0.40	0.50	3.00	0.60	0.80	0.03	26	71	151	251	26	301	
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg				
Actual Ratio	16.8	1.0	1.8	134.6	29.6	1,164.3	206.3	3.5	0.1	3.0				
Expected Ratio	12.7	1.4	1.5	87.9	6.7	292.4	338.8	1.6	0.2	1.4				
Very High														
High														
Sufficient														
Low														
Deficient														
	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al	

Comments :

02019) These plants are low or deficient in magnesium. This condition may be due to low soil magnesium and/or excess soil potassium, low soil pH, or poor drainage. Magnesium may be foliar applied at 1 to 2 lbs per acre. If a chelated material is used, apply according to manufacturer specifications. Repeated applications may be necessary.

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Report Date : 6/9/2017
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Field id:
Sample Id : **Big House GDV 720**

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

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

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm
Analysis	3.55	0.21	0.27	2.65	0.09	0.35	0.02	16	32	37	120	9	33
Normal Range	3.00	0.15	0.30	2.00	0.15	0.25	0.00	5	20	20	30	5	5
	4.00	0.40	0.50	3.00	0.60	0.80	0.03	26	71	151	251	26	301
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg			
Actual Ratio	16.9	1.3	1.3	84.4	29.4	716.2	218.8	3.2	0.1	3.9			
Expected Ratio	12.7	1.4	1.5	87.9	6.7	292.4	338.8	1.6	0.2	1.4			
Very High													
High													
Sufficient													
Low													
Deficient													
	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al

- Comments :
- 02019) These plants are low or deficient in magnesium. This condition may be due to low soil magnesium and/or excess soil potassium, low soil pH, or poor drainage. Magnesium may be foliar applied at 1 to 2 lbs per acre. If a chelated material is used, apply according to manufacturer specifications. Repeated applications may be necessary.
 - 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.

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107568

PLANT ANALYSIS

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Grower:

Report Date : 6/9/2017
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Field id:
Sample Id : **ROHE 720**

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

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

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm	
Analysis	2.85	0.22	0.35	2.69	0.18	0.35	0.03	14	26	48	106	12	46	
Normal Range	3.00	0.15	0.30	2.00	0.15	0.25	0.00	5	20	20	30	5	5	
	4.00	0.40	0.50	3.00	0.60	0.80	0.03	26	71	151	251	26	301	
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg				
Actual Ratio	13.0	1.1	1.6	134.6	14.9	560.4	250.0	2.2	0.1	1.9				
Expected Ratio	12.7	1.4	1.5	87.9	6.7	292.4	338.8	1.6	0.2	1.4				
Very High														
High														
Sufficient														
Low														
Deficient														
	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al	

Comments :

02015) These plants are low or deficient in nitrogen. This condition could be due to inadequate nitrogen fertilization, poor drainage, excessive rainfall or leaching.

02084) Additional nitrogen may be supplied to the crop with sidedress or topdress applications or in irrigation water. Apply at the rate of 20 to 50 lbs per acre. Repeated applications may be necessary.

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Field id:
Sample Id : **Moss 720**

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

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

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm	
Analysis	4.13	0.29	0.38	2.65	0.11	0.36	0.02	15	35	56	132	13	20	
Normal Range	3.00	0.15	0.30	2.00	0.15	0.25	0.00	5	20	20	30	5	5	
	4.00	0.40	0.50	3.00	0.60	0.80	0.03	26	71	151	251	26	301	
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg				
Actual Ratio	14.2	1.6	1.3	108.6	24.1	473.2	240.0	2.4	0.1	3.3				
Expected Ratio	12.7	1.4	1.5	87.9	6.7	292.4	338.8	1.6	0.2	1.4				
Very High														
High														
Sufficient														
Low														
Deficient														
	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al	

Comments :
02019) These plants are low or deficient in magnesium. This condition may be due to low soil magnesium and/or excess soil potassium, low soil pH, or poor drainage. Magnesium may be foliar applied at 1 to 2 lbs per acre. If a chelated material is used, apply according to manufacturer specifications. Repeated applications may be necessary.

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Lab No:
107570

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Grower:

Report Date : 6/9/2017

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Field id:

Crop : **Corn**

Sample Id : **Walton 5 & 6 GDV 720**

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

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

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm	
Analysis	3.26	0.16	0.31	2.52	0.14	0.39	0.03	15	31	34	119	11	37	
Normal Range	3.00	0.15	0.30	2.00	0.15	0.25	0.00	5	20	20	30	5	5	
	4.00	0.40	0.50	3.00	0.60	0.80	0.03	26	71	151	251	26	301	
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg				
Actual Ratio	20.4	1.3	1.9	100.0	18.0	741.2	260.0	3.5	0.2	2.8				
Expected Ratio	12.7	1.4	1.5	87.9	6.7	292.4	338.8	1.6	0.2	1.4				
Very High														
High														
Sufficient														
Low														
Deficient														
	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al	

Comments :

02019) These plants are low or deficient in magnesium. This condition may be due to low soil magnesium and/or excess soil potassium, low soil pH, or poor drainage. Magnesium may be foliar applied at 1 to 2 lbs per acre. If a chelated material is used, apply according to manufacturer specifications. Repeated applications may be necessary.