Report Number: F09201-5024
Account Number: 33022

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
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QUALITY ANALYSES FOR INFORMED DECISIONS

PLANT ANALYSIS REPORT

To: GREEN VALLEY AGRICULTURAL
3957 108TH STREET SE
CALEDONIA, MI 49316-9425

Attn: JOHN CHRISTIAN

For: WALNUTDALE

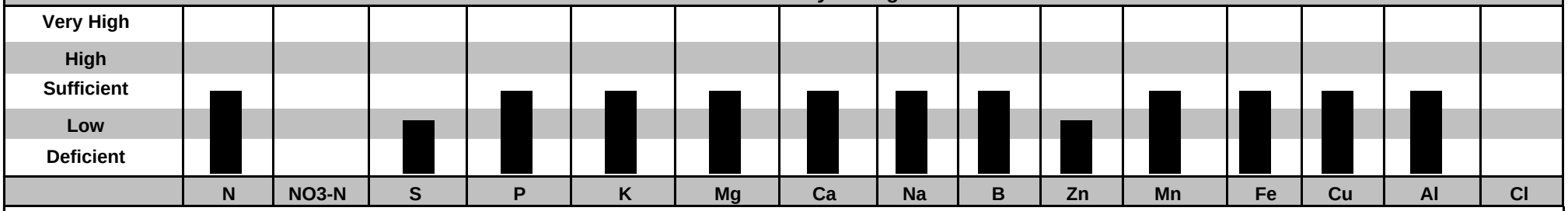
Field: J50

Sample ID: GOOD
Plant Type: CORN
Growth Stage: SILKING
Plant Part: LEAF
Date Received: 07/20/2009 **Date Reported:** 07/21/2009

Date Sampled	Lab Number	Nitrogen (%)	Nitrate Nitrogen (%)	Sulfur (%)	Phosphorus (%)	Potassium (%)	Magnesium (%)	Calcium (%)	Sodium (%)	Boron (ppm)	Zinc (ppm)	Manganese (ppm)	Iron (ppm)	Copper (ppm)	Aluminum (ppm)	Chloride (%)
	201068	2.89		0.17	0.30	2.46	0.21	0.51	0.01	6	21	65	221	9	95	
Normal Range		2.70 4.00		0.21 0.50	0.25 0.50	1.70 3.00	0.20 1.00	0.21 1.00	0.03	5 25	25 100	20 200	20 250	6 20	1 300	

	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Fe/Mn	Ca/B							
Actual Ratio	16.5	1.2	1.7	141	11.7	377	3.4	806							
Expected Ratio	15.0	1.3	1.2	75	8.3	415	1.5	330							

Nutrient Sufficiency Ratings



- These plants are low in SULFUR. This could possibly be a result of low soil sulfur, poor root development or inadequate drainage.
- These plants are low in ZINC. Possible causes include low soil zinc availability, high pH or high soil phosphorus levels.

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PLANT ANALYSIS REPORT

To: GREEN VALLEY AGRICULTURAL
3957 108TH STREET SE
CALEDONIA, MI 49316-9425

Attn: JOHN CHRISTIAN

For: WALNUTDALE

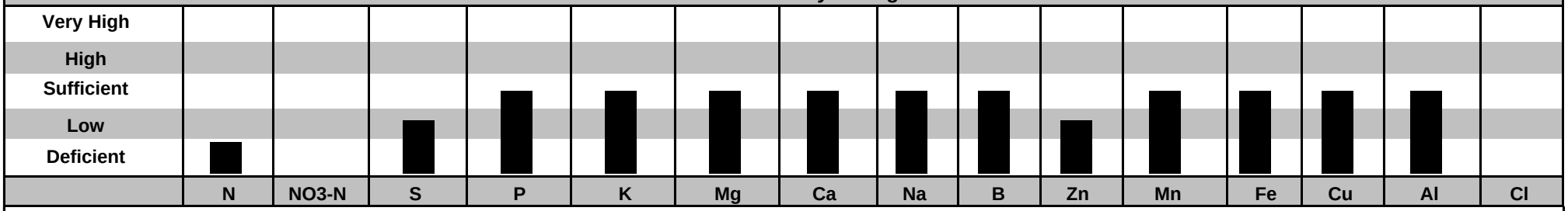
Field: J50

Sample ID: BAD
Plant Type: CORN
Growth Stage: SILKING
Plant Part: LEAF
Date Received: 07/20/2009 **Date Reported:** 07/21/2009

Date Sampled	Lab Number	Nitrogen (%)	Nitrate Nitrogen (%)	Sulfur (%)	Phosphorus (%)	Potassium (%)	Magnesium (%)	Calcium (%)	Sodium (%)	Boron (ppm)	Zinc (ppm)	Manganese (ppm)	Iron (ppm)	Copper (ppm)	Aluminum (ppm)	Chloride (%)
	201069	2.19		0.14	0.26	2.15	0.22	0.36	0.01	9	21	66	159	6	77	
Normal Range		2.70 4.00		0.21 0.50	0.25 0.50	1.70 3.00	0.20 1.00	0.21 1.00	0.03	5 25	25 100	20 200	20 250	6 20	1 300	

	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Fe/Mn	Ca/B							
Actual Ratio	15.8	1.0	1.9	126	9.8	325	2.4	394							
Expected Ratio	15.0	1.3	1.2	75	8.3	415	1.5	330							

Nutrient Sufficiency Ratings



- These plants are deficient in NITROGEN. This condition could be due to inadequate nitrogen fertilization, poor drainage, excessive rainfall or leaching.
- These plants are low in SULFUR. This could possibly be a result of low soil sulfur, poor root development or inadequate drainage.
- These plants are low in ZINC. Possible causes include low soil zinc availability, high pH or high soil phosphorus levels.