

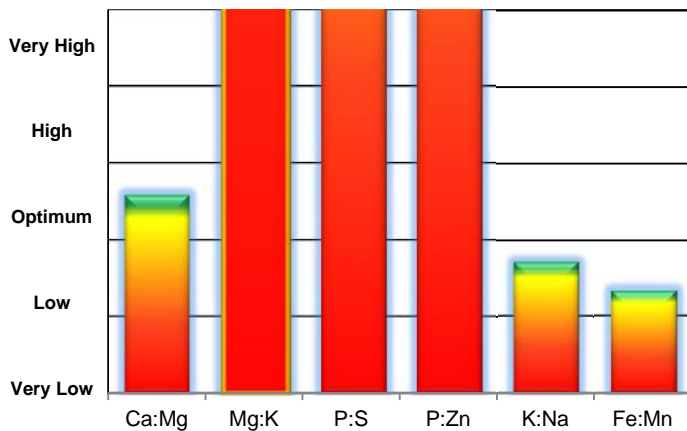


Soil Health and Fertility Report

Submitted by Home Office
 Client: QC
 Sample ID: QC
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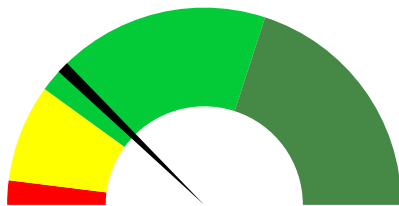
File Number 80033
 Sample Date: 2/19/2016
 Intended Crop: Corn
 Crop Yield (bu/a): 180

Soil Health Factors		Ranking:	Value of Available Nutrients per acre		
Solvita-CO ₂ Burst	71.6	Medium	N + P ₂ O ₅ + K ₂ O = \$135.93		
*WEOC (ppm)	323.6	High	Available Nutrients (lbs/acre)		
*WEON (ppm)	17.6	Medium	N	P ₂ O ₅	K ₂ O
C:N ratio	18.4	Optimum	42	99	96



*NUTRIENT ANALYSIS

Analysis	Units	Level Found
Nitrate-N	ppm	3.1
Ammonium-N	ppm	2.3
Total Inorganic N	ppm	5
Estimated Biological N	lb/a	31
Estimated N for Crops	lb/a	42
Phosphorus as P	ppm	22
Potassium as K	ppm	80
Calcium	lb/a	3066
Magnesium	lb/a	496
Sodium	lb/a	22
Sulfur as S	ppm	8
Boron	ppm	1.19
Iron	ppm	35
Manganese	ppm	7
Copper	ppm	0.60
Zinc	ppm	0.63
*PECEC		10.27



12.1

Soil Health Score

Notes and Recommendations

USDA Cover Crop Recommendation

Suggested Cover Crop Blend:
 40% Legume 60% Grass

Ca:Mg	Ca+Mg:Al	Ca %	Mg %
6.18	16.96	74.7	12.1
4.5 to 8	>1.7		
Estimated Calcium Need (lb/a)			0
Nutrient Required (estimated) lbs per acre			
180	90	72	N-P ₂ O ₅ -K ₂ O
Additional Nutrient Need lbs per acre			
138	0	0	N-P ₂ O ₅ -K ₂ O

*Notes: WEOC is water extractable organic carbon and WEON is water extractable organic nitrogen
 All nutrients extracted using H3A organic acid extract. PECEC is plant effective CEC calculated using H3A