

CEC: 1.7 | % ORGANIC MATTER: 1.3 | PH: 6.6
 SOIL SOLUTION WEIGHT: 74,475 | SOLUBLE SALTS - EC: 0.0

REPORT SUMMARY

	CHEMICAL EXTRACTION (SOIL PPM)	PASTE EXTRACTION (SOLUTION PPM)	PERCENT BASE SATURATION
CALCIUM	210.80 (low)	3.65 (very low)	63.36% (low)
MAGNESIUM	35.10 (ok)	0.88 (very low)	17.66% (ok)
POTASSIUM	19.47 (low)	1.80 (very low)	3.01% (low)
SODIUM	20.04 (high)	1.64 (high)	5.24% (high)
PHOSPHORUS	78.25 (high)	0.32 (very low)	
SULFUR	8.20 (very low)	0.51 (very low)	
MANGANESE	17.30 (high)	0.07 (very low)	
COPPER	0.76 (very low)	0.02 (very low)	
ZINC	2.31 (ok)	0.01 (very low)	
IRON	137.70 (very high)	0.72 (ok)	
BICARBONATE		24.00 (very low)	
CHLORIDE		6.00 (low)	
BORON	0.46 (very low)	0.04 (very low)	
HYDROGEN			6.00% (ok)
NITROGEN NH₄-N	0.90 (Higher NO ₃ desired)		
NITROGEN NO₃-N	1.50 (Higher K Desired)		
SILICON	2.90		

KEY OPPORTUNITIES

- Optimum Soluble Potassium
- Optimum Soluble Magnesium
- Organic Matter
- Optimum Soluble Calcium
- Soluble Phosphorus

Report generated on: April 01, 2022 12:22 Report ID: 149242

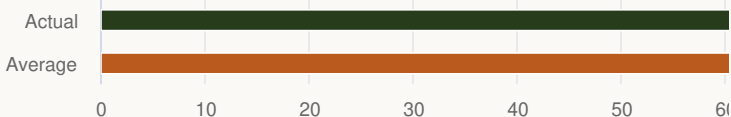
CEC: 1.7 | % ORGANIC MATTER: 1.3 | PH: 6.6
SOIL SOLUTION WEIGHT: 74,475 | SOLUBLE SALTS - EC: 0.0

CHEMICAL EXTRACTION

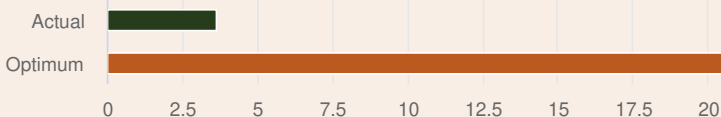
SOLUBLE PASTE EXTRACTION

CALCIUM

SOIL PPM: 210.8 (low) % SOIL CATIONS (CEC) 63.36% (low)

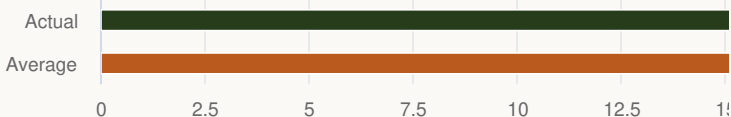


SOLUTION PPM: 3.65 (very low) % SOLUTION CATIONS: 48.81% (ok)



MAGNESIUM

SOIL PPM: 35.1 (ok) % SOIL CATIONS (CEC) 17.66% (ok)

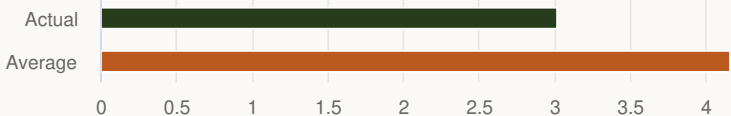


SOLUTION PPM: 0.88 (very low) % SOLUTION CATIONS: 19.63% (ok)

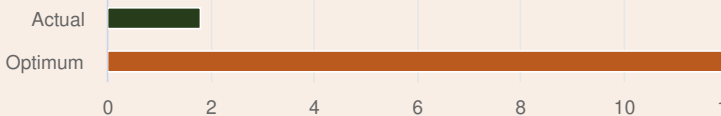


POTASSIUM

SOIL PPM: 19.5 (low) % SOIL CATIONS (CEC) 3.01% (low)

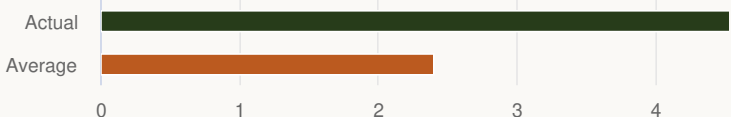


SOLUTION PPM: 1.80 (very low) % SOLUTION CATIONS: 12.46% (ok)

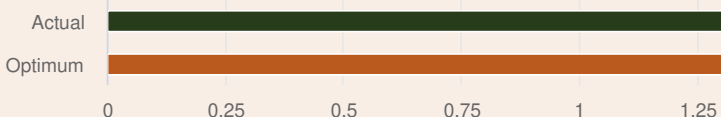


SODIUM

SOIL PPM: 20.0 (high) % SOIL CATIONS (CEC) 5.24% (high)



SOLUTION PPM: 1.64 (high) % SOLUTION CATIONS: 19.11% (high)



03/30/2022

TOM IRWIN INC
THCC100-PEAK CC (GREEN) 1



CEC: 1.7 | % ORGANIC MATTER: 1.3 | PH: 6.6
SOIL SOLUTION WEIGHT: 74,475 | SOLUBLE SALTS - EC: 0.0

CHEMICAL EXTRACTION

SOLUBLE PASTE EXTRACTION

HYDROGEN

% BASE SAT (CEC): 6.00% (ok)

NITROGEN

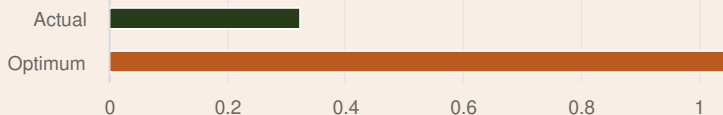
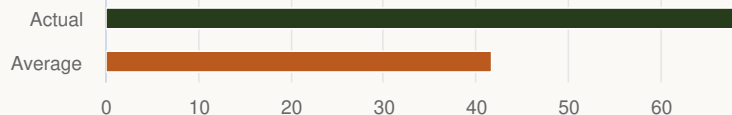
RATIO NO₃: NH₄: Higher NO₃ desired
RATIO K: N Higher K Desired

SOLUBLE NH₄-N PPM: 0.90 (very low)
SOLUBLE NO₃-N PPM: 1.50 (very low)

PHOSPHORUS

SOIL PPM: 78.3 (high)

SOLUTION PPM: 0.32 (very low)



SULFUR

SOIL PPM: 8.2 (very low)

SOLUTION PPM: 0.51 (very low)

MANGANESE

SOIL PPM: 17.3 (high)

SOLUTION PPM: 0.07 (very low)

COPPER

SOIL PPM: 0.8 (very low)

SOLUTION PPM: 0.02 (very low)

ZINC

SOIL PPM: 2.3 (ok)

SOLUTION PPM: 0.01 (very low)

IRON

SOIL PPM: 137.7 (very high)

SOLUTION PPM: 0.72 (ok)

CHEMICAL EXTRACTION

SOLUBLE PASTE EXTRACTION

BICARBONATE

SOLUTION PPM: 24.00 (very low)

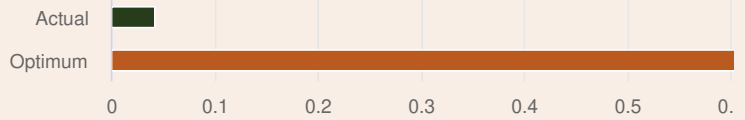
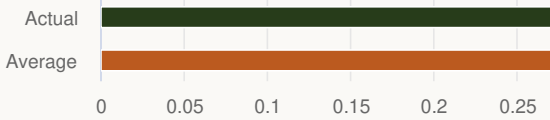
CHLORIDE

SOLUTION PPM: 6.00 (low)

BORON

SOIL PPM: 0.5 (very low)

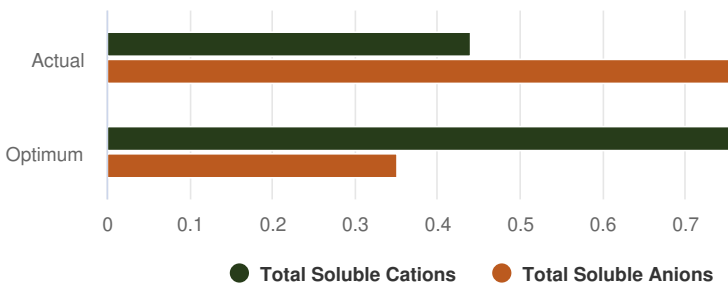
SOLUTION PPM: 0.04 (very low)



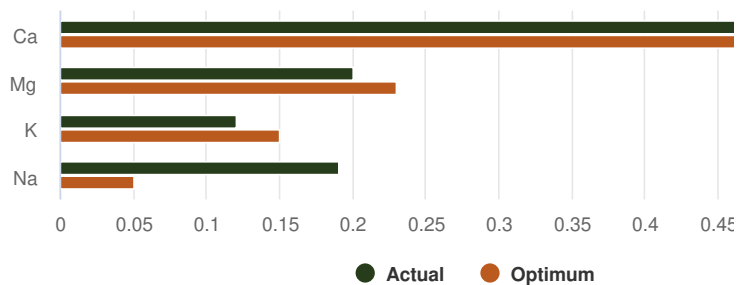
SOLUBLE PASTE EXTRACTION

SOLUBLE CATION/ANION BALANCE

CATION:ANION RATIO: 0.6 1



SOLUBLE CATION RATIO



ION BALANCE INPUT

Ca: 5.6 N: 2.8
Mg: 1.5 P: 0.1
K: 3.3 OA: 3.4

ANION REDUCTION RECOMMENDATION

STATUS: optional
RATE: 35.17%

CEC: 1.7 | % ORGANIC MATTER: 1.3 | PH: 6.6
SOIL SOLUTION WEIGHT: 74,475 | SOLUBLE SALTS - EC: 0.0

SOIL FACTORS – PRIORITIZED

