

CEC: 4.7 | % ORGANIC MATTER: 7.1 | PH: 6.5
SOIL SOLUTION WEIGHT: 86,889 | SOLUBLE SALTS - EC: 0.1

REPORT SUMMARY

	CHEMICAL EXTRACTION (SOIL PPM)	PASTE EXTRACTION (SOLUTION PPM)	PERCENT BASE SATURATION
CALCIUM	556.60 (low)	3.75 (very low)	59.61% (low)
MAGNESIUM	126.10 (high)	1.62 (very low)	22.49% (high)
POTASSIUM	74.39 (low)	5.40 (very low)	4.08% (low)
SODIUM	14.84 (low)	2.46 (low)	1.38% (low)
PHOSPHORUS	47.52 (ok)	0.33 (very low)	
SULFUR	6.78 (very low)	1.39 (very low)	
MANGANESE	9.03 (ok)	0.06 (very low)	
COPPER	0.90 (very low)	0.09 (low)	
ZINC	1.61 (low)	0.03 (very low)	
IRON	106.10 (very high)	3.48 (ok)	
BICARBONATE		33.00 (very low)	
CHLORIDE		34.00 (ok)	
BORON	0.33 (very low)	0.02 (very low)	
HYDROGEN			7.50% (ok)
NITROGEN NH₄ N	1.60 (Higher NO ₃ desired)		
NITROGEN NO₃-N	7.60 (Higher K Desired)		
SILICON	3.80		

KEY OPPORTUNITIES

- Optimum Soluble Potassium
- Optimum Soluble Magnesium
- Optimum Soluble Calcium
- Soluble Phosphorus
- Base Saturation Calcium

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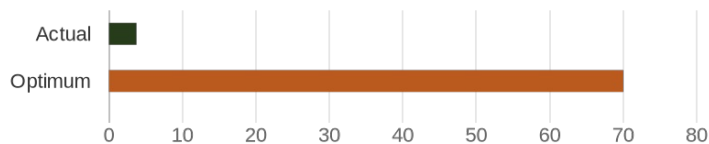
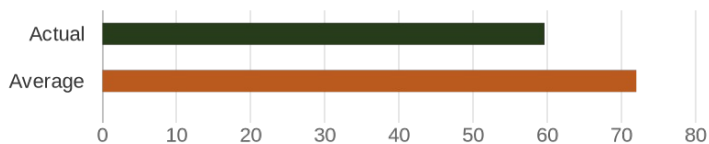
CHEMICAL EXTRACTION

SOLUBLE PASTE EXTRACTION

CALCIUM

SOIL PPM: 556.6 (low) % SOIL CATIONS (CEC) 59.61% (low)

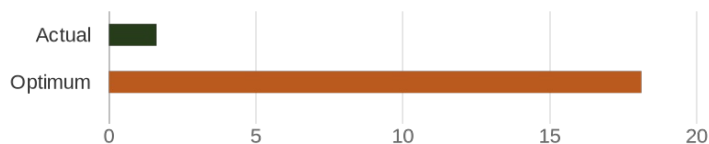
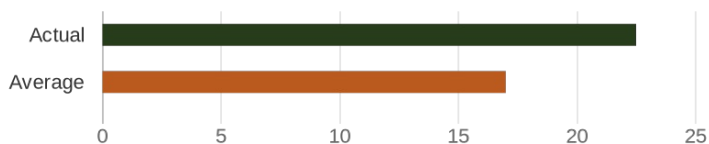
SOLUTION PPM: 3.75 (very low) % SOLUTION CATIONS: 32.95% (low)



MAGNESIUM

SOIL PPM: 126.1 (high) % SOIL CATIONS (CEC) 22.49% (high)

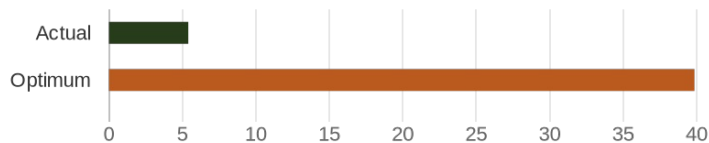
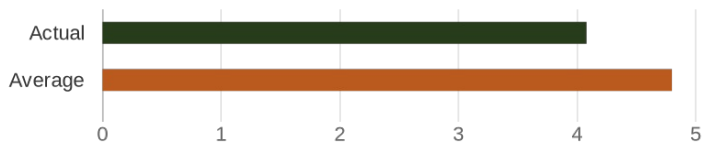
SOLUTION PPM: 1.62 (very low) % SOLUTION CATIONS: 23.67% (ok)



POTASSIUM

SOIL PPM: 74.4 (low) % SOIL CATIONS (CEC) 4.08% (low)

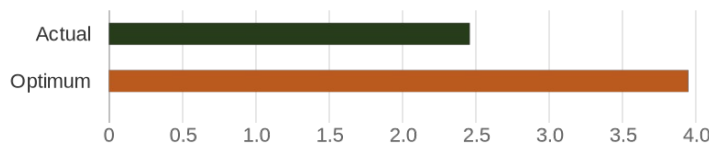
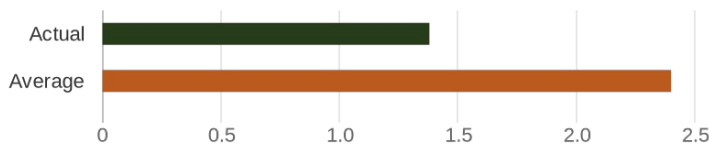
SOLUTION PPM: 5.40 (very low) % SOLUTION CATIONS: 24.53% (ok)



SODIUM

SOIL PPM: 14.8 (low) % SOIL CATIONS (CEC) 1.38% (low)

SOLUTION PPM: 2.46 (low) % SOLUTION CATIONS: 18.85% (low)



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CHEMICAL EXTRACTION

SOLUBLE PASTE EXTRACTION

HYDROGEN

% BASE SAT (CEC): 7.50% (ok)

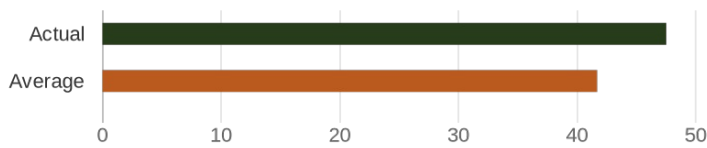
NITROGEN

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

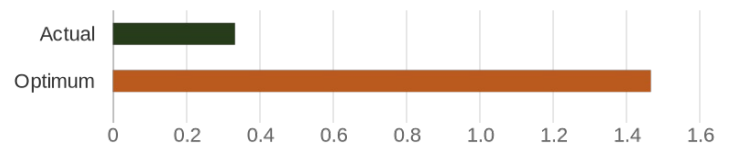
SOLUBLE NH₄-N PPM: 1.60 (very low)
SOLUBLE NO₃-N PPM: 7.60 (very low)

PHOSPHORUS

SOIL PPM: 47.5 (ok)



SOLUTION PPM: 0.33 (very low)



SULFUR

SOIL PPM: 6.8 (very low)

SOLUTION PPM: 1.39 (very low)

MANGANESE

SOIL PPM: 9.0 (ok)

SOLUTION PPM: 0.06 (very low)

COPPER

SOIL PPM: 0.9 (very low)

SOLUTION PPM: 0.09 (low)

ZINC

SOIL PPM: 1.6 (low)

SOLUTION PPM: 0.03 (very low)

IRON

SOIL PPM: 106.1 (very high)

SOLUTION PPM: 3.48 (ok)

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CHEMICAL EXTRACTION

SOLUBLE PASTE EXTRACTION

BICARBONATE

SOLUTION PPM: 33.00 (very low)

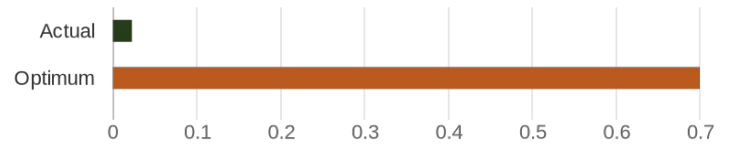
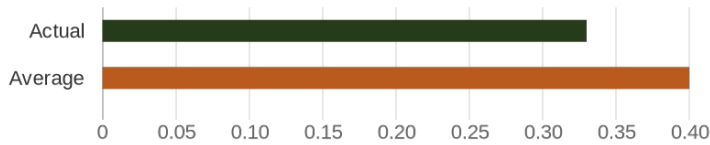
CHLORIDE

SOLUTION PPM: 34.00 (ok)

BORON

SOIL PPM: 0.3 (very low)

SOLUTION PPM: 0.02 (very low)

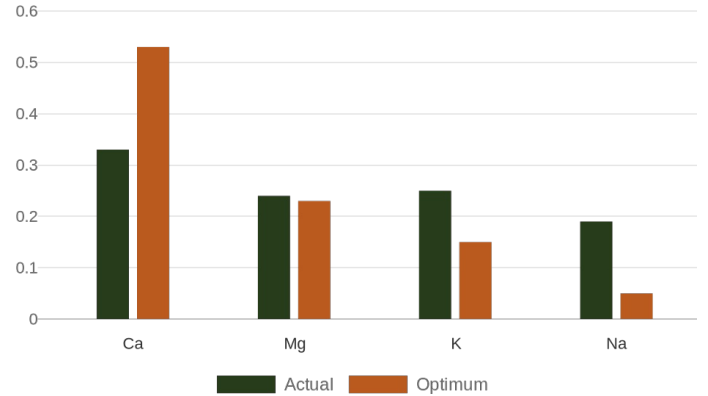
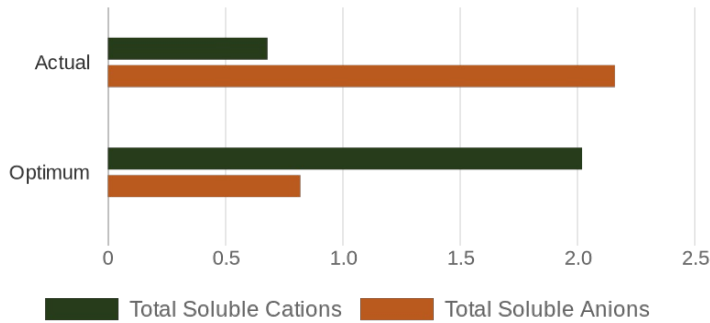


SOLUBLE PASTE EXTRACTION

SOLUBLE CATION/ANION BALANCE

CATION:ANION RATIO: 0.3 1

SOLUBLE CATION RATIO



ION BALANCE INPUT

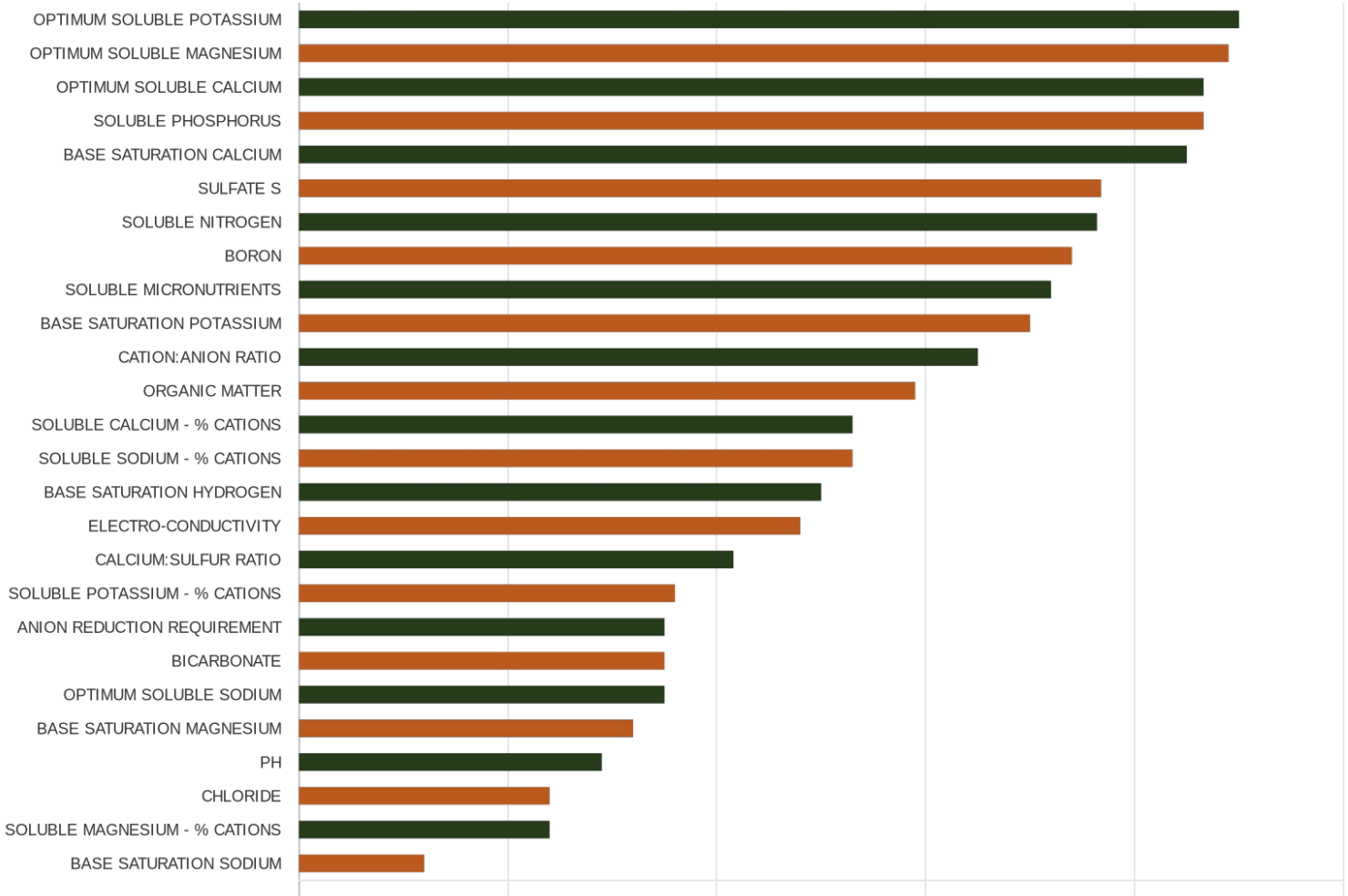
ANION REDUCTION RECOMMENDATION

Ca: 36.4 **N:** 2.7
Mg: 9.1 **P:** 0.1
K: 18.9 **OA:** 0.2

STATUS: optional
RATE: 47.40%

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SOIL FACTORS - PRIORITIZED



← LOW PRIORITY - HIGH PRIORITY →