

STUKENHOLTZ LABORATORY, INC.

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ECO POINT
225 HUTTON AVE
RIFLE, CO 81650

Tel: 970-213-9207
Report No: 39529
Date Received: 6/9/2020
Date Reported: 6/10/2020

<u>SOIL TEST DATA</u>	<u>Sample 1</u>	<u>Sample 2</u>	<u>Sample 1</u>	<u>Sample 2</u>
pH	8.0	H	Grower	ECO POINT
Salts, mmhos/cm	1.0	L	Sample Identity	COX OFF SITE
Chlorides, ppm	8	VL	Crop	ALFALFA
Sodium, meq/100g	0.20	VL	Yield Goal	6 T
CEC, meq/100g	18.5	H	Acres	
Excess Lime, %	6.6	H	Prev Crop T/Acre	ALFALFA
Organic Matter, %	1.89	M	Manure T/Acre	
Organic N, lb/Acre	75	M	Prev Applied Nut	
Ammonium - N, ppm	7.6	L	<u>RECOMMENDATIONS, lbs Nutrients or Units per Acre</u>	
Nitrate - N, ppm	10	L	Nitrogen	5
Phosphorus, ppm	15	M	P ₂ O ₅ – Phosphate	120
Potassium, ppm	141	L	K ₂ O - Potash	70
Calcium, meq/100g	14.2	VH	Calcium	0
Magnesium, meq/100g	3.6	H	Magnesium	0
Sulfate - S, ppm	10	L	Sulfate - Sulfur	50
Zinc, ppm	0.3	VL	Zinc	7
Iron, ppm	5.2	M	Iron	0
Manganese, ppm	5.3	H	Manganese	0
Copper, ppm	0.3	VL	Copper	2.0
Boron, ppm	0.56	L	Boron	1.5
SAR	0.54		Elemental Sulfur	0
			Gypsum	0
			Lime	0

Base Saturation, %

Potassium (Ideal 3 - 6)	2.4	L
Calcium (Ideal 65 - 80)	76.8	M
Magnesium (Ideal 15 - 25)	19.5	M
Sodium (Ideal < 3)	1.1	M

Relation of CEC to Soil Texture

0-5 Sand	18-24 Silt Loam
5-12 Loamy Sand	24-36 Clay Loam
12-18 Sandy Loam	36+ Clay

Comments

- Crop / Yield 1 Excessively Calcareous soils respond to 100-200 lbs/ac of Elemental Sulfur or Acid forming fertilizers.
- Crop / Yield 1 Examples of acid forming fertilizers are: 21-0-0/Thio-Sul/Nitro-Sul and Disintegrating Sulfurs.
- Crop / Yield 1 Should use a foliar spray containing copper.