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Dealer: STMY
 Reported: 5-28-2013
 Test #: 1
 Grower: Myron Steward
 Field ID: Rich Robinsons North Field



Lab #:
 40060

AGRICULTURAL SOIL REPORT

ELEMENT	ANSWER	INTERP	SHOULD BE	ELEMENT	ANSWER	INTERP	SHOULD BE
pH-Soil	6.2	Slightly Acidic		Potassium Bicarb	654	High	250 +
pH-SMP	6.5	Slightly Acidic		Sulfur-ppm	12	Low	20 +
Soluble Salts	0.33	Normal	< 1.5	Calcium-ppm	1779	Low	1,800 +
% Lime	0	No lime		Magnesium-ppm	376	Adequate	250 +
% Organic Matter	2.09	Low		Sodium-ppm	147	OK	< 225
Nitrates-ppm	9	Low	10 - 35	Zinc-ppm	0.7	Low	1.0 - 3.0
Ammonium-ppm	3	Low	5 +	Copper-ppm	1.0	Adequate	0.8 - 2.5
Phosphorus-ppm	23	Low	25 - 40	Manganese-ppm	6	Low	6 - 30
Phos-ppm-Bray			50 - 100	Iron-ppm	37	Adequate	25 +
Potassium-ppm	844	Very High	300 +	Boron-ppm	0.4	Low	0.7 - 1.5

Texture	Loam			TBS%		P INDEX		Fertilizer Suggestions in Pounds per Acre for the whole season		
Cation Exchange Capacity - CEC		16		0				Crop	Alfalfa	Alfalfa
Percent Base Saturation		93						Yield Goal	7 Tons	10 Tons
BASES		IDEAL	YOURS		NO3 ppm	NH4 ppm	Past Crop	Fallow		
Calcium-% of CEC		65-80	55	1 Ft	9	3	Acres			
Magnesium-% of CEC		10-20	20	2 Ft			Nitrogen	118	184	
Potassium-% of CEC		2-6	13.5	3 Ft			Phosphate	105	219	
Sodium-% of CEC (ESP)		< 5	4	Total N PPM		12	Add Phos for P INDEX			
Hydrogen-% of CEC		< 15	7	Lbs N / Acre		36	Potash			
Ratio	Ideal	Yours	Evaluation	Recommendations			P.F. Sulfur	19	37	
Ca:Mg	6-20:1	5:1	Low	Watch Ca			Elemental Sulfur			
Ca:P pH >7	100:1	:1					Gypsum			
Ca:P pH <7	40:1	77:1	High	Watch P						
P:Zn	15:1	33:1	High	Watch Zn						

Methods: www.westernlaboratories.com/methods.htm

Remarks:

Lime recs are for a 3 yr period

Add 40# Phosphate as starter if soil temps < 50F at planting

Split apply Nitrogen. Tissue and soil test in-season gives the best results
 P.F. Sulfur = Plant Food Sulfur Elemental Sulfur = Reclamation Sulfur

Magnesium		
Zinc	8	12
Manganese		4
Copper		
Boron	2	3

"Always practice the laws of Agronomy."

John P. Taberna, Soil Scientist