

Western Laboratories, Inc.

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<http://www.westernlaboratories.com>

Methods: www.westernlaboratories.com/soil.htm



Dealer: 11-111 Western Laboratories

Reported: 9-23-2019

Test #: 1

Grower: Western Labs

Field ID: Field 1

Lab #:
29244-2

AGRICULTURAL SOIL REPORT

ELEMENT	YOUR RESULTS	INTERP	SHOULD BE		NO3 ppm	NH4 ppm	CATION BASES	IDEAL	YOUR % BASES
pH-Your Soil	8.2	Moderately Basic		1 Ft	3	1	CALCIUM % of CEC	65-80	182
pH-Buffer*				2 Ft			MAGNESIUM % of CEC	10-20	20
Soluble Salts Ec-mmhos/cm	0.14	Optimum	< 1.5	3 Ft			POTASSIUM % of CEC	2-6	15
% Lime Ca CO3	M	3.1 to 5.5 % lime		Total PPM		4	SODIUM % of CEC	< 5	2
% Organic Matter-LOI	2.29	Low		Lbs N / Acre*		12	HYDROGEN % of CEC	< 15	
Nitrates-ppm NO3-N	3	Very Low	10 - 35	Your Texture			CEC	11	
Ammonium-ppm NH4-N	1	Low	5 +	Sandy Loam			P Index	100	
Phosphorus-ppm Olsen-P	28	Optimum	25 - 40	% Base Saturation		219			
Phos-ppm Bray-P*			50 - 100	FERTILIZER SUGGESTIONS IN POUNDS/ACRE BASED ON YOUR CROP & YIELD GOAL					
Potassium-ppm K	648	High	300 +	Crop	R. Burbank		R. Burbank		
Sulfates-ppm SO4-S	21	Optimum	20 +	Yield Goal	400	CWT	500	CWT	
Calcium-ppm Ca	4064	High	1,800 +	Past Crop	Barley				
Magnesium-ppm Mg	266	Optimum	250 +	Acres	Your Notes				
Sodium-ppm Na	55	Optimum	< 225	Nitrogen	208	263			
Zinc-ppm Zn	1.7	Optimum	1.0 - 3.0	Phosphate	70	137			
Copper-ppm Cu	0.6	Low	0.8 - 2.5	Potash					
Manganese-ppm Mn	2	Very Low	6 - 30	Sulfate					
Iron-ppm Fe	9	Optimum	7 +	Elem-S	246				
Boron-ppm B	0.9	Optimum	0.7 - 1.5	Gypsum					
Ratio	Yours	Ideal	Watch	Lime					
Ca:P pH >7	145:1	100:1	Watch P	Dolomite	0				
Ca:Mg	15:1	6-20:1		Magnesium					
Ca:P pH <7	:1	40:1		Zinc	2	4			
P:Zn	16:1	15:1	Watch Zn	Manganese	6	9			
				Copper	2	3			
				Boron	2	2			

-LOI: Loss of Ignition *CEC-Cation Exchange Capacity
 *For acid soils pH <6.5 *Phosphate-P205 / Potash-K20
 -Split apply Nitrogen fertilizer *Add 15 pounds N/Ton Stubble
 -Nitrogen (N) Sulfates and Boron (B) recs are for this crop year at your yield
 -Other nutrient recs can be split over 2- years. Work with your crop advisor
 Elemental Sulfur = Reclamation Sulfur P.F. Sulfur = Plant Food Sulfur

PPM K / 390 = Meq PPM Mg / 120 = Meq
 PPM Ca / 200 = Meq PPM Na / 230 = Meq

"Always practice the laws of Agronomy" - John P. Taberna, Soil Scientist