



















Servi-Tech Laboratories

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Lab No.: 91576		SOIL ANALYSIS RESULTS		Date Reported: 08/27/2019	
Send To: 16915	WATERFALL RANCH 4166 COUNTY RD 203 DURANGO, CO 81301			 Ed McGuire Data Review Coordinator	
Results For: Field ID: Sample Identification:				Invoice No.: 870506 Date Received: 08/22/2019 Sample Depth: 0-12"	
LAWN, NEW or RESEED					
Acidic Neutral Alkaline ———— 4.0 ———— 5.0 ———— 6.0 ———— 7.0 ———— 8.0 ————					
Soil pH	7.8 				
———— Very Low ———— Low ———— Medium ———— High ———— Very High					
Nitrate Nitrogen (NO3-N), ppm	11.0				
Organic Matter, %	2.5				
Phosphorus (P), ppm	8				
Potassium (K), ppm	81				
Sulfur (S), ppm	82				
Calcium (Ca), ppm	3800				
Magnesium (Mg), ppm	167				
Sodium (Na), ppm	12				
Zinc (Zn), ppm	213				
Iron (Fe), ppm	338				
Manganese (Mn), ppm	118				
Copper (Cu), ppm	48.7				
———— Suitable ———— Caution ———— Warning ————					
Soluble Salts (EC), mmho/cm	0.45				
Excess Lime (i)	NO				
Cation Exchange Information: CEC = 21 meq/100g	<u>% H</u> 0	<u>% K</u> 1	<u>% Ca</u> 92	<u>% Mg</u> 7	<u>% Na</u> 0
SOIL TEXTURE: Silt Loam DISTRIBUTION: 34.9 % Sand 52.3 % Silt 12.8 % Clay					

The reported analytical results apply only to the sample as it was supplied.
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Results For:		Invoice No.: 870506			Date Received: 08/22/2019	
Field ID:		Date Received: 08/22/2019			Sample Depth: 0-12"	
Sample Identification:		Sample Depth: 0-12"				
US Standard Sieve Number	Sieve Size (µm)	Retained (% of Total)	>= Sieve (%)	< Sieve (%)		
4	4	0.00	0.00	100.00		
8	8	0.00	0.00	100.00		
10	10	0.00	0.00	100.00		
18	18	0.10	0.10	99.90		
35	35	1.10	1.20	98.80		
60	60	3.40	4.60	95.40		
100	100	6.40	11.00	89.00		
140	140	6.30	17.30	82.70		
200	200	6.20	23.50	76.50		
270	270	7.90	31.40	68.60		
0	Pan	68.60	100.00	0.00		
Fertilizer Recommendations (lbs. per 1000 Sq. Ft)		LAWN, NEW or RESEED				
Nitrogen		0.6				
Phosphorus (P ₂ O ₅)		4.6				
Potassium (K ₂ O)		3.6				
Zinc		0.0				
Sulfur		0.0				
Manganese		0.0				
Copper		0.0				
Magnesium		0.0				

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Send To: 16915	WATERFALL RANCH 4166 COUNTY RD 203 DURANGO, CO 81301		<i>Edwin J. McGuire</i> Ed McGuire Data Review Coordinator	
Results For:		Invoice No.:	870506	
Field ID:		Date Received:	08/22/2019	
Sample Identification:		Sample Depth:	0-12"	

LAWN RENOVATION: Consider renovation if 20% to 40% of the lawn is dead or has sparse growth. If the space between clumps of surviving grass is larger than your handprint, reseeding is recommended. If soil analysis results are adequate to high for turf growth, no additional fertilizer is needed for renovation. In this case, soil fertility is not the cause for sparse growth. Bare spots or sparse areas may be due to excessive compaction, disease, insect damage, excess thatch, shading, poor drainage, excess lime (carbonates), or other causes. The problem or problems must be corrected before renovation will be successful.

LAWN RENOVATION: If the soil analysis results are low, fertilizer can improve chances for successful renovation. Apply and incorporate the recommended fertilizer thoroughly into the soil before reseeding.

LAWNS - NEW SEEDING: Apply about half of the recommended nitrogen and all of the phosphate, potash, and lime before seeding. Work the fertilizer into the top 4 to 6 inches of soil. Water lightly and frequently during germination until the new grass is actively growing. Apply the remaining nitrogen about six to eight weeks after seeding. Treat it as an established lawn after that time.

PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended nutrient rate by the percentage analysis of the fertilizer. For example, if 1.5 lb of the nutrient is recommended and the fertilizer analysis is 8%, then apply 19 lb. of the fertilizer material (1.5 divided by 8% = 18.75 lb).

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