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Lab No.: 31917		SOIL ANALYSIS RESULTS		Date Reported: 11/04/2021							
Send To: 52177		JAMES LOWELL 15 PTARMIGAN DR GLENWOOD SPRINGS, CO 81601		 Hans Burken Agronomist							
Results For: Field ID: Sample Identification:		JAMES LOWELL LOWER GARDEN LOWER GARDEN		Invoice No.: 636540 Date Received: 11/03/2021 Sample Depth: 0-6"							
GARDEN - VEGETABLES											
Acidic _____ 4.0 _____ 5.0 _____ 6.0 _____ 7.0 _____ 8.0 _____ Neutral _____ Alkaline											
Soil pH		6.8 									
_____ Very Low _____ Low _____ Medium _____ High _____ Very High											
Nitrate Nitrogen (NO3-N), ppm		2.3 									
Organic Matter, %		3.9 									
Phosphorus (P), ppm		70 									
Potassium (K), ppm		134 									
Sulfur (S), ppm		62 									
Calcium (Ca), ppm		3590 									
Magnesium (Mg), ppm		278 									
Sodium (Na), ppm		33 									
Zinc (Zn), ppm		26.3 									
Iron (Fe), ppm		234 									
Manganese (Mn), ppm		63.4 									
Copper (Cu), ppm		3.7 									
_____ Suitable _____ Caution _____ Warning _____											
Soluble Salts (EC), mmho/cm		0.34 									
Excess Lime (i)		NO 									
Cation Exchange Information:		% H		% K		% Ca		% Mg		% Na	
CEC = 21 meq/100g		0		2		86		11		1	
Fertilizer Recommendations		GARDEN - VEGETABLES									
(lbs. per 1000 Sq. Ft)											
Nitrogen		1.4									
Phosphorus (P ₂ O ₅)		0.0									
Potassium (K ₂ O)		1.7									
Zinc		0.0									
Sulfur		0.0									
Manganese		0.0									
Copper		0.0									
Magnesium		0.0									

The reported analytical results apply only to the sample as it was supplied.

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<p><u>GARDEN VEGETABLES - Some suggested nitrogen application schedules</u></p> <p><u>Crucifers (broccoli, cabbage, cauliflower):</u> Sidedress about half of the required nitrogen about one to two weeks after planting. Apply the remainder of the required nitrogen about two weeks before harvest.</p> <p><u>Leafy greens</u></p> <ul style="list-style-type: none"> Lettuce, spinach, mustard: Broadcast the required nitrogen before planting and incorporate into the soil. Kale, collards: Sidedress the required nitrogen when plants reach one-third size. <p><u>Legumes (beans, peas):</u> Apply the required nitrogen before or at planting.</p> <p><u>Perennials (asparagus, rhubarb):</u> Apply about one-third of the required nitrogen to established plantings before the spears appear in spring. For asparagus, apply the remainder of the required nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nitrogen requirement in late spring or early summer.</p>				
<p><u>GARDEN VEGETABLES:</u> Apply the recommended lime, phosphate, or potash fertilizer materials after harvest or before planting and incorporate into the soil. Adjust fertilizer rates if manure or other organic materials have been applied.</p>				
<p><u>PHOSPHATE & POTASH:</u> 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).</p>				
<p><u>Root crops</u></p> <ul style="list-style-type: none"> Carrots, radish, beets, turnips: Broadcast the the rquired nitrogen before or at planting. Onions: Sidedress the required nitrogen at two to three weeks after emergence. Potatoes: Apply the required nitrogen about three to four weeks after emergence when plants are 6 to 8 inches tall. 				
<p><u>Sweet corn:</u> Band about a third of the required nitrogen at planting. Sidedress the remainder of the rquired nitrogen when the corn plants are 8 to 12 inches tall. Make a second sidedress application in sandy soils about two weeks later.</p>				
<p><u>Transplants (tomatoes, peppers, eggplant):</u> Use a starter solution at planting. Sidedress the required nitrogen when when fruits are about one inch in diameter.</p>				
<p><i>(Each 1 pound of nitrogen per 1000 square feet is equivalent to about ¼ ounce of actual nitrogen per 100 feet of row when banded. For example: about 2½ ounces of a 10-0-0 fertilizer will provide ¼ ounce of nitrogen.)</i></p> <p><i>The suggested nitrogen application schedules assume quick-release fertilizer materials. The application timing must be adjusted when using slow-release fertilizers and when using manure or other organic materials.)</i></p>				

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