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Lab No.: 31916	SOI	L ANA	ALYSIS RE	SULTS	5	Date	Reported: 1	1/04/2021
Send To:	JAMES LOWELL							
52177			04004			$\boldsymbol{\wedge}$	4	R.A
52117	GLENWOOD SPRII	NGS, CC	0 81601			R	and	Dale
							Hans B	urken
							Agrono	omist
Results For:	JAMES LOWELL			Invoi	ice No.:	63654	0	
Field ID:				Data Po		11/03	/2021	
					Cerveu.		2021	
Sample Identification:	UPPER GARDEN			Sample	Deptn:	0-6		
GARDEN - VEGETABL	ES		A				N. tasl	A.H 11
			ACIDIC	E 0	6.0	h	Neutral	Aikaline
Soil nH		6.2		— <u>5.0</u> —	6.0	J	7.0	<u> </u>
		0.5						
			Mamala	1	N 4 - 11			\/
Nitroto Nitrogon (NO2 NI)	222	12 1	- very Low —	Low—	Medi	um —	— High —	– Very High
Organic Matter %	, ppm	17.2						
Diganic Matter, %		106						
Phosphorus (P), ppm		190						
Potassium (K), ppm		134						
Sullur (S), ppm								
Calcium (Ca), ppm		4910						
Magnesium (Mg), ppm		583						
Sodium (Na), ppm		62						
Zinc (Zn), ppm		25.2						
Iron (Fe), ppm		256						
Manganese (Mn), ppm		27.1 -						
Copper (Cu), ppm		2.6						
			Suitable		Caut	ion —	W	arning —
Soluble Salts (EC), mmh	o/cm	1.12						
Excess Lime (i)		NO						
Cation Exchange Infor	mation:		<u>% H</u>	<u>%</u> K	%	Ca	% Mg	% Na
CEC = 30 r	neq/100g		0	1		82	16	1
	1 0							
Fertilizer Recommenda	tions GARD	EN - VEC	GETABLES					
(lbs. per 1000 Sq. Ft)								
Nitrogen				0.9				
Phosphorus (P2O5)				0.0				
Potassium (K ₂ O)				1.7				
Zinc				0.0				
Sulfur				0.0				
Manganese				0.0				
Copper				0				
Magnesium				0.0				

The reported analytical results apply only to the sample as it was supplied. The report may not be reproduced, except in full, without permission of ServiTech.

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Send To: JAMES LOWELL IS PTARMIGAN DR GLENWOOD SPRINGS, CO 81601 James Durken Agronomist Results For: JAMES LOWELL Field ID: Invoice No:: £36540 Sample Identification: UPPER GARDEN Sample Identification: Imper Garden Date Received: 11/03/2021 Sample Identification: UPPER GARDEN Sample Identification: Imper Garden Date Received: 11/03/2021 Sample Identification: LOPPER GARDEN Sample Depth: 0-6° CARDEN VEGETABLES - Some suggested nitrogen application schedules Crucifiers (troccoli, cabbage, cauilfower): Sidedress the required nitrogen babout two weeks before harvest. Lady qreens - Lettuce, spinach, mustard: Broadcast the required nitrogen before planting and incorporate into the soil. Kale, colards:: Sidedress the required nitrogen when plants reach one-third size. Legumes (beans, peas); Apply the required nitrogen when plants reach one-third size. Marce Schedules Control on the soil. Adjust fertilizer rate size on the organic materials after harvest or before planting and incorporate into the soil. GARDEN VEGETABLES, 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. PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended and the fertilizer analysi	Lab No.: 31916	SOIL ANALYSIS RE	SULTS	Date Reported: 11/04/2021			
52177 GLENWOOD SPRINGS, CO 81601 Jumo Burger, Marken Agronomist Results For: JAMES LOWELL Invoice No:: 536540 Sample Identification: UPPER GARDEN Sample Depth: 0-6* Sample Identification: UPPER GARDEN Sample Depth: 0-6* GLENWOOD Springer, Construction: UPPER GARDEN Sample Depth: 0-6* Grueifers (broccoli, cabbage, cauliflower): Sidedress about half of the required nitrogen about one to two weeks after planting. Apply the remainder of the required nitrogen before planting and incorporate into the soil. Leay greens . Lettuce, spinach, mustard: Broadcast the required nitrogen to established plantings before the spears appear in spring. For asparagus, apply the remainder 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. Adde, colards: Sidedress the remainder of the introgen required nitrogen at the end of harvest. Before planting and incorporate into the soil. Adjust fertilizer rates if manure or other organic materials have been applied. PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended nutrient rate by the percentage analysis of the fertilizer rates, divide the recommended nutrient rate by the percentage analysis of the fertilizer rate, divide the recommended nutrient rate by the percentage analysis of the fertilizer. For example, if 1.5 b of the nut	Send To:	JAMES LOWELL 15 PTARMIGAN DR					
Results For: JAMES LOWELL Field ID: Invoice No.: 636540 536540 Sample Identification: UPPER GARDEN Date Received: 11/03/2021 Sample Identification: UPPER GARDEN Sample Depth: 0-6" GADEN VECETABLES - Some suggested nitrogen application schedules Crucifers (forocoti, cabbage, caulifower): Sidedress about half of the required nitrogen about one to two weeks after planting. Apply the remainder of the required nitrogen before planting and incorporate into the soil. Image: Sidedress the required nitrogen weeks before harvest. Lady areans Image: Genas, Deas: Apply the required nitrogen obfere or at planting. Perennials (asparagus, rhubarb): Apply about one-third of the required nitrogen to established plantings before the spears appear in spring. For asparagus, apply the required nitrogen requirement in late spring or early summer. GARDEN VEGETABLES: 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. PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended nutrient rate by the percentage analysis of the fertilizer. For example, if 1.5 th of the nutrient is recommended and the fertilizer analysis is 8%, then apply 19 lb. of the fertilizer material (1.5 divide by 8% = 18.75 lb). Moor crops Carrots, radish, beets, turnips: Broadcast the the quired nitrogen before or at planting. Meet corm	52177	GLENWOOD SPRINGS, CO 81601	Hans Bale				
Agronomist Results For: JAMES LOWELL Invoice No:: G36540 Sample Identification: UPPER GARDEN Date Received: 11/03/2021 Sample Identification: UPPER GARDEN Date Received: 11/03/2021 GARDEN VEGETABLES - Some suggested nitrogen application schedules -0-6* Grucifers (broccol), cabbage, cauliflower): Sidedress about half of the required nitrogen about one to two weeks after planting. Apply the remainder of the required nitrogen before planting and incorporate into the soil. Edit greens - Kale, collards: Sidedress the required nitrogen before or at planting. Perennials (asparagus, rhubarb): Apply about one-third of the required nitrogen to established plantings before the spears appear in spring. For asparagus, apply the remainder of the nitrogen requirement in late spring or early summer. GARDEN VEGETABLES; Apply the recommended lime, phosphate, or potash fertilizer materials for harvest or before planting and incorporate into the soil. Adjust fertilizer rates if manure or other organic materials have been applied. PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended and the fertilizer analysis is 8%, then apply 19 lb. of the fertilizer material (1.5 divided by 8% = 18.75 lb). Root crops - Carrots, radish, beets, turnips: Broadcast the the rquired nitrogen before or at planting. Potostore: Supply the required nitrogen about three to				Hans Burken			
Results For: JAMES LOWELL Invoice No.: 636540 Bample Identification: UPPER GARDEN Date Received: 11/03/2021 Sample Identification: UPPER GARDEN Date Received: 11/03/2021 Sample Identification: UPPER GARDEN Date Received: 11/03/2021 GARDEN VEGETABLES - Some suggested nitrogen application schedules Guildentification: 0-6° GARDEN VEGETABLES, apply the remainder of the required nitrogen about two weeks before harvest. Leafy greens . • Lettuce, spinach, mustard: Broadcast the required nitrogen one-third size. Legumes (beans, peas); Apply the required nitrogen before or at planting. Perennials (asparagus, rhubarb): Apply subour one-third of the required nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the netweinter of the required nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nitrogen requirement in late spring or early summer. GARDEN VEGETABLES, 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. PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended nutrient rate by the percentage analysis of the fertilizer. For example, if 1.5 to of the nutrient is recommended and the fertilizer analysis is 8%, then apply 19 to. of the fertilizer material (1.5 divided by 8% = 18.75 tb).				Agronomist			
Field ID: [UPPER GARDEN Date Received: 11/03/2021 Sample Identification: [UPPER GARDEN Sample Depti: 0-6" GARDEN VEGETABLES - Some suggested nitrogen application schedules Crucifers (broccoli, cabbage, cauliflower): Sidedress about half of the required nitrogen about two weeks before harvest. Leady greens • Lettuce, spinach, mustard: Broadcast the required nitrogen before planting and incorporate into the soil. • Kale, collards: Sidedress the required nitrogen before or at planting. Perennials (sparagus, rhubarb): 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. GARDEN VEGETABLES: 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. PHOSPHATE & POTASH: To calculate fertilizer rate, divide the recommended nutrient rate by the percentage analysis of the fertilizer. For example, if 1.5 b of the nutrient is recommended and the fertilizer analysis is 8%, then apply 1b). of the fertilizer material (1.5 divided by 8% = 18.75 lb). Root crops • Carrots, radish, beets, turnips: Broadcast the the rquired nitrogen before or at planting. • Onions: Sidedress the required nitrogen about three to four weeks after	Results For:	JAMES LOWELL	Invoice No.:	636540			
Sample identification: Description GARDEN VEGETABLES - Some suggested nitrogen application schedules Crucifers (broccoi), cabbage, cauliflower): Sidedress about half of the required nitrogen about one to two weeks after planting. Apply the remainder of the required nitrogen before planting and incorporate into the soil. Leafy greens • Lettuce, spinach, mustard: Broadcast the required nitrogen before planting and incorporate into the soil. Legumes (beans, peas): Apply the required nitrogen when plants reach one-third size. Legumes (beans, peas): Apply the required nitrogen to established plantings before the spears appear in spring. For asparagus, apply the remainder of the nequired nitrogen to established plantings before the spears appear in spring. For asparagus, apply the remainder of the nequired nitrogen or other organic materials for harvest. For thubarb, sidedress the remainder of the nutrigen required nitrogen to established planting before the spears appear in spring. For asparagus, apply the treates if manure or other organic materials have been applied. 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). Root crops •	Field ID:		Date Received:	11/03/2021			
 Cruciers (brocc): cabbage, cauliflower): 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. Leafy greens 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. Legumes (beans, peab): Apply the required nitrogen 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 nequired nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nequired nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nequired nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nequired nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nequired nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nequired nitrogen at the end of harvest. For rhubarb, sidedress the remainder of the nequired nitrogen to regulate analysis of the fertilizer. For example, if 1.5 lb of the nutrient is 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). Moot crops Carrots, radish, beets, turnips: Broadcast the the rquired nitrogen before or at planting. Onions: Sidedress the required nitrogen at planting. Sidedress the remainder of the rquired nitrogen when the com plants are 8 to 12 inches tall. Make a second sidedress application in sandy soils about two weeks later. Transplants (tomatoes, peppers, eggplant): Use a starter solution at planting. Sidedress th	Sample Identification:	UPPER GARDEN	Sample Depth:	0-6"			
 <u>Carrots</u>, radish, beets, turnips: Broadcast the the rquired nitrogen before or at planting. <u>Onions</u>: 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. <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. <u>Transplants</u> (tomatoes, peppers, eggplant): Use a starter solution at planting. Sidedress the required nitrogen when when fruits are about one inch in diameter. (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.) 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.) 	 Crucifers (broccoli, cabbage, cauliflower): 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. Leafy greens 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. Legumes (beans, peas): Apply the required nitrogen before or at planting. Perennials (asparagus, rhubarb): 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. GARDEN VEGETABLES: 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. 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 apply the recommender in the solic of the solic						

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Lab No.: 31916	SOIL ANALYSIS RES	SULTS	Date Reported: 11/04/2021
Send To:	JAMES LOWELL		
52177	GLENWOOD SPRINGS. CO 81601		Hang Bal
	,,,,		
			Hans Burken
Deculto Ferr			Agronomist
Results For:		Invoice No.:	030340
Field ID:		Date Received:	11/03/2021
	OFFER GARDEN	Sample Depth:	0-8
WARNING: The curre can be affected restricted and is Accumulations exessive fertiliz the quality of wa proper irrigation "Soluble salts" are a soluble salts re ability to deal w problems are p	nt soluble salt level is above nomal levels and 1. Soluble salts may have accumulated in the sist is preventing the accumulated salts from being may have resulted from minerals that are na- ier applications. Check for soil drainage restricater ater used for irrigating. Soil test routinely to management or using salt tolerant species r measurement of the comparative amount of the strict the ability of the root system to extract with soluble salt accumulations. Excess soluble resent.	d the growth or the soil because the ir g leached below th turally present in t ctions (like soil cor onitor changes in may be necessary minerals dissolved vater from the soil. le salts provide str	e development certain plants internal soil drainage is ine plant root zone. he irrigation water or from impaction or soil layers). Check soluble salt levels. Using d in the soil water. Excess Plant species differ in their ress to growing plants if other

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