



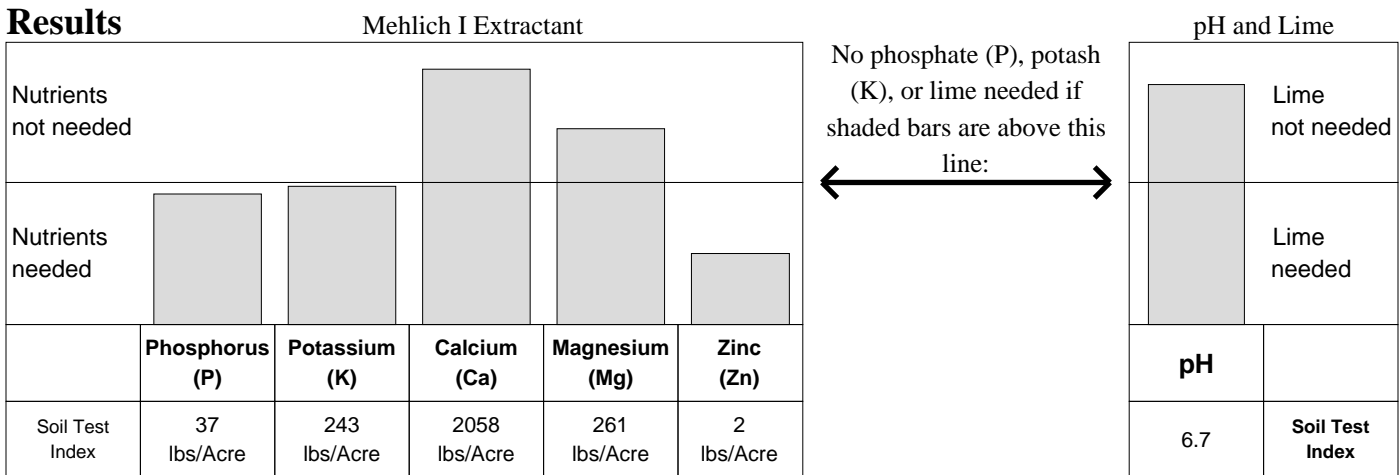
Soil Test Report

Sample ID

(CEC/CEA Signature)

Client Information Gates, Roger PO Box Dalton, GA 30722 Sample: Park Creek Garden Crop: Home Vegetable Garden	roger.gates@uga.edu 706 278-8207 Lab Information Lab #11102 Received: Oct 12, 2022 Completed: Oct 13, 2022 Tests: S1	County Information Whitfield County P O Box 1385 Dalton, GA 30722 phone: 706-278-8207 e-mail: uge1313@uga.edu
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Results



Recommendations

Can't find a specific grade of fertilizer? Try our Fertilizer Calculator: <http://aesl.ces.uga.edu/soil/fertcalc/>

No Limestone recommended.

Recommended pH: 6.0 to 6.5

Broadcast 30 pounds of 10-10-10 per 1000 square feet, or apply 10 pounds of 10-10-10 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

Dissolve 1 tablespoon of zinc sulfate in a half gallon of water and apply per 100 feet of row.

See Home Vegetable Garden Fact Sheet

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Home Vegetable Garden Fact Sheet for Gates, Roger

Apply 1 tablespoon of borax per 100 feet of row to broccoli and root crops such as turnips and beets. This can be applied by mixing the borax thoroughly with approximately 1 quart of soil in a container and then applying the mixture along the row; or it can be mixed with a quart of water and applied to the soil in solution.

For better fertilizer availability on sandy soils, apply half of the recommended fertilizer just before planting and the remainder when the crop is half grown. In years with unusually heavy rainfall on sandy soils, 3 pounds of 34-0-0 or 2 pounds of 46-0-0 may be added to replace nutrients lost from the soil due to heavy rains.



Soil Test Report

Sample ID

(CEC/CEA Signature)

Client Information Gates, Roger PO Box Dalton, GA 30722 Sample: Park Creek Garden Crop: Turnips, fresh market	roger.gates@uga.edu	Lab Information Lab #11102 Received: Oct 12, 2022 Completed: Oct 13, 2022 Tests: S1	County Information Whitfield County P O Box 1385 Dalton, GA 30722 phone: 706-278-8207 e-mail: uge1313@uga.edu
	706 278-8207		

Results

Mehlich I Extractant

UGA Lime Buffer Capacity Method*

Very High					High				
High					Sufficient				
Medium									
Low									Low
	Phosphorus (P)	Potassium (K)	Calcium (Ca)	Magnesium (Mg)	Zinc (Zn)	Manganese (Mn)	pH *	Lime Buffer Capacity (LBC)	
Soil Test Index	37 lbs/Acre	243 lbs/Acre	2058 lbs/Acre	261 lbs/Acre	2 lbs/Acre	29 lbs/Acre	6.7	419	Soil Test Index

Recommendations

Can't find a specific grade of fertilizer? Try our Fertilizer Calculator: <http://aesl.ces.uga.edu/soil/fercalc/>

Limestone	Nitrogen (N)	Phosphate (P₂O₅)	Potash (K₂O)	Sulfur (S)	Boron (B)	Manganese (Mn)	Zinc (Zn)
0 tons/Acre	150-180 lbs/Acre	140 lbs/Acre	130 lbs/Acre	10 lbs/Acre	2 lb/Acre	--	--

Recommended pH: 6.3 to 6.8

*For information on how the Soil, Plant, and Water Laboratory measures and reports pH and makes lime recommendations, see <http://aesl.ces.uga.edu/soil/SoilpH.html>.

Nitrogen (N) rates will vary depending on rainfall, soil type, irrigation, plant population and method and timing of applications.

For transplants, apply a starter solution using 3 pounds of 10-34-0 per 50 gallons of water.

For early growth stimulation apply a pop-up fertilizer using 100 to 150 pounds of 10-34-0 or similar material per acre. Apply the fertilizer 2 to 3 inches to the side of the seeds or plants and 2 to 3 inches below the seeds or roots.

Sulfate of potash magnesia may be used to supply a portion of the recommended potash (K₂O) and to also supply magnesium (Mg) and sulfur (S).

For more efficient use of fertilizer split the applications, applying one-third to one-half down (banded or incorporated in the bed) and the remainder in 1 to 3 applications. If the fertilizer is broadcast, increase the application rates of phosphate (P₂O₅) and potash (K₂O) 1½ to 2 times.

NOTE: The amount of nitrogen (N), phosphate (P₂O₅), and potash (K₂O) actually applied may deviate 10 pounds per acre from that recommended without appreciably affecting yields.

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