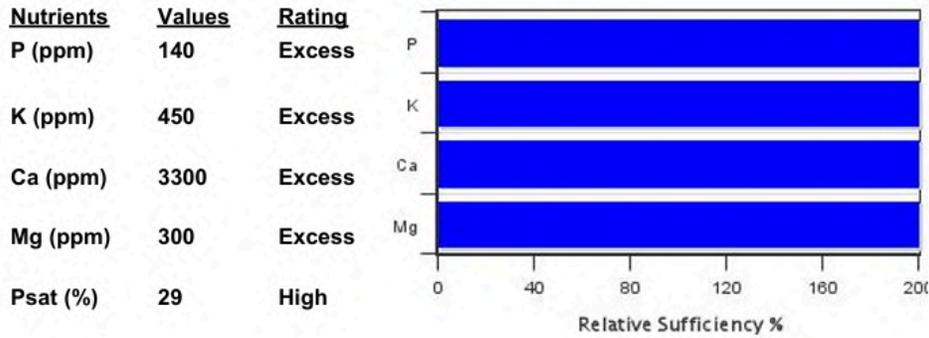


JONAH FREELAND	County: Monongalia County
217 MORGAN HILL ROAD	Email: FREELAND@HUMANANIMALBOND.ORG
MORGANTOWN, WV-26508	Phone: 304-844-2876
Customer ID: 217JF	LAB ID: 25-3538 completed
Date Sampled: 8/1/2025	Date of report: 8/21/2025
Date Received: 8/7/2025	Previous Management: TOMATOES, LETTUCE. AND BELL PEPPERS
Area Sampled: 2,340 sq ft	Predominant Soil Series: Unknown
Tillage Method: Conventional	Soil Texture: Silt Loam

LAB TEST RESULTS

Soil pH: 6.7 Soil Organic Matter: 10.2% EC (dS/m): N/A



Fertilizer recommendation for H01: Home Vegetable Garden having an expected yield of N/A

	<u>A) Crop Sufficiency Rate</u>	<u>B) Build to Optimum Rate</u>
N (Oz./100 sq. ft.)	0-7	0-7
P ₂ O ₅ (Oz./100 sq. ft.)	0	0
K ₂ O (Oz./100 sq. ft.)	0	0

Lime recommendation Soil pH is above optimum for this crop. No lime is needed to raise soil pH.

Recommendation Notes are provided on the following page.

Recommendation Notes:

* Apply nitrogen based on need of vegetable grown. Use any fertilizer or natural material that supplies the plant nutrients recommended. Commercial fertilizers carry a label showing percentages of nitrogen-phosphate-potash; for example, a 50 lbs. bag of 5-10-10 contains 2.5 lbs. of nitrogen (N), 5 lbs. of phosphate (P205), and 5 lbs. of potash (K2O). If your recommendation calls for 3.7 oz N/100 sq. ft. apply 8.0 oz of urea fertilizer (46-0-0). If K is over 500, Ca is over 8000, and Mg is over 600, reduce toxic salt effects by loosening the subsoil and adding organic matter but do not use manure.

* Legume garden crops do not need any N fertilizer when properly inoculated and the soil fertility is in the Optimum range. Some gardeners prefer to add some N in cool weather. Urea raked into the top 2 inches of the soil at 2 oz./100 sq. ft. will provide 1 oz. N/100 sq.ft.

* The following vegetable crops respond to 2 oz. N/100 sq.ft. (4 oz. urea): Rutabagas, Turnips, Carrots, Sweet Potatoes, Pumpkins, Winter Squash

* The following vegetable crops respond to 3.7 oz. N/100 sq.ft. (8 oz. urea): Leafy Greens, Tomatoes, Squash Melons, Cabbage, Onions, Garlic, Beets, Turnips, Melons, Cucumbers.

* The following vegetable crops respond to 5.5 oz. N/100 sq.ft. (12 oz. urea): Sweet Corn, White Potatoes, Eggplant, Peppers, Collards, Kale, Spinach. At this rate apply half raked into the bed before planting and one half as a side dress application raked into the soil when the plants are half grown.

Your soil phosphorus concentrations are well above the level for environmental concern. Do not apply additional P fertilizer and implement strategies to reduce your soil test P concentration.

If you have questions about the fertilizer recommendations in this report contact your local ANR county agent, **Josh Malencia**, at (304) 291-7201 or joshua.malencia@mail.wvu.edu.

Additional Landowner Information:

• ----- NOTE: WE ANALYZED ONE (1) SOIL SAMPLE (report 25-3558) ORGANIC MATTER (OM), AND MICROELEMENTS. THANKS FOR YOUR ONLINE PAYMENT (\$11/1 REPORTS). PAID WITH TRANSACTION NUMBER 177849. ADDITIONAL QUESTIONS, PLEASE CONTACT THE LAB DIRECTLY BY EMAIL (wvu.davis.soiltesting@gmail.com).

Additional reports also sent to: wvu.davis.soiltesting@gmail.com, JONAHMILLERFREELAND@GMAIL.COM

This soil sample contains the following micro minerals:			
Micro mineral	Content ppm	Relative Sufficiency (%)	Note
Al	380	N/A	Aluminum (Al) availability is pH dependent and is used to calculate Psat
Cu	3.9	750	Copper (Cu) is adequate
Fe	70	N/A	Iron (Fe) availability is pH dependent and is used to calculate Psat
Mn	180	2725	Manganese (Mn) is adequate
Na	170	N/A	Sodium (Na) effect on crops is best evaluated using EC of the soil
Ni	0.3	N/A	Nickel (Ni) recommendations are not made at this time
Zn	9.6	923	Zinc (Zn) is adequate

West Virginia University Soil Testing Laboratory,
1405 Agricultural Sciences Bldg, 1194 Evansdale Dr, Morgantown, WV 26506 - 6108

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Reasonable accommodations will be made to provide this content in alternate formats upon request. Contact the WVU Extension Service at the number listed above.

JONAH FREELAND **County:** Monongalia County

217 MORGAN HILL ROAD **Email:** FREELAND@HUMANANIMALBOND.ORG

MORGANTOWN, WV-26508 **Phone:** 304-844-2876

Customer ID: 217JF2 **LAB ID:** 25-3778 completed

Date Sampled: 8/14/2025 **Date of report:** 12/02/2025

Date Received: 8/27/2025 **Previous Management:** TOMATOES, LETTUCE, PEPPERS **Area**

Sampled: 234 sq ft **Predominant Soil Series:** Unknown

Tillage Method: Conventional **Soil Texture:** Silt Loam

LAB TEST RESULTS

Soil pH: 6.6 **Soil Organic Matter:** N/A **EC (dS/m):** 1.6

Nutrients Values Rating

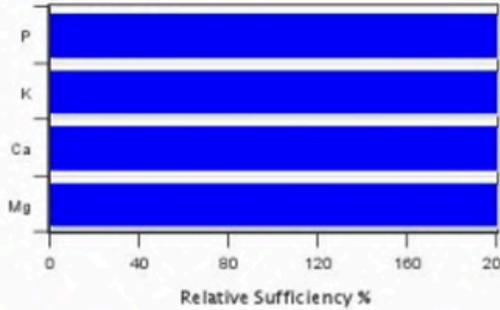
P (ppm) 140 Excess

K (ppm) 440 Excess

Ca (ppm) 3080 Excess

Mg (ppm) 310 Excess

Psat (%) 33 High



Fertilizer recommendation for H01: Home Vegetable Garden having an expected yield of N/A **A) Crop**

Sufficiency Rate B) Build to Optimum Rate

N (Oz./100 sq. ft.) 0-7 **0-7** **P₂O₅ (Oz./100 sq. ft.)** 0 **0** **K₂O (Oz./100 sq. ft.)** 0 **0** **Lime**

recommendation Soil pH is above optimum for this crop. No lime is needed to raise soil pH.

Recommendation Notes are provided on the following page.

Recommendation Notes:

