

DATA PACKAGE

SUB - DATA

PROJECT NAME: OVEC-KYGER CREEK

ENTACT.

150 Bay Street

Suite 806

Jersey City, NJ - 07302

Phone No: 201-356-9196

ORDER ID: Q3110

ATTENTION: Wyatt Steel





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Cover Page

Order ID: Q3110

Project ID: OVEC - Kyger Creek

Client: ENTACT.

Lab Sample Number Client Sample Number

Q3110-01 TS-SP Q3110-02 TS-NSP

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature:

By Nimisha Pandya, QA/QC Supervisor at 1:26 pm, Sep 26, 2025

NYDOH CERTIFICATION NO - 11376 NJDEP CERTIFICATION NO - 20012

9/25/2025

Date:

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Soil Testing Laboratory Rutgers, The State University ASB II 57 US Highway 1 South New Brunswick, NJ 08901-8554

Soil Test Report

Lab #: 2025-28024

Alliance Technical Group Yazmeen Gomez 284 Sheffield Street **Date Received:** 2025-09-17 **Date Reported:** 2025-09-25

Mountainside, NJ 07092

yazmeen.gomez@alliancetg.com (908)789-8900

Sample ID: OVEC - Kyger Creek TS-SP

Results and Interpretations

Clay Loam

pH: 5.42 Strongly acidic, suitable for the growth of blueberry or potato crops and acid-loving ornamentals

such as rhododendron, holly, and spruce, but too acidic for most other plants.

Lime Requirement Index: 7.34

The Lime Requirement Index (LRI) is a measure of the buffering capacity of the soil, its resistance to pH change, and is used to determine the appropriate amount of limestone, when necessary. LRI value near 8.0 indicates low buffering capacity of soil and a lower rate of limestone amendment compared to soil with high buffering capacity (LRI near 7.0).

Macronutrients (pounds per acre)

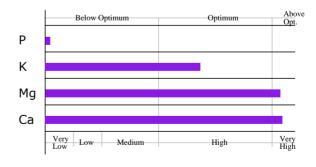
by Mehlich 3 extraction

Phosphorus: 4 (Below Optimum)

Potassium: 194 (Optimum)

Magnesium: 306 (Above Optimum)

Calcium: 1827 (Above Optimum)



Micronutrients (parts per million)

Zinc(Zn)Copper(Cu)Manganese(Mn)Boron(B)Iron(Fe)Sulfur(S)1.45 (Adequate)0.83 (Adequate)414.57 (High)0.67 (Low)469.97 (High)52.63 (Very High)

Special Tests Results

Visual Description:

Moist Color: Dark Yellowish Brown, Dark Brown. As received: Moist, Aggregated (very firm),

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Fine-loamy Material. Coarse rock fragments: Few (maximum size less than 1/2 inch). Organic detritus: Common Roots, Stem fragments, Sticks, Coarse Splintered wood.

Soluble Salts- Electrical conductivity= 0.11 mmho/cm

(Satisfactory)

Organic Matter by Carbon Analysis: Organic Matter=2.0%

Low for Clay Loam

Gravel Content- Larger than 2mm: 10.9%

Mechanical Analysis- Sand= 37% Silt=34% Clay= 29% Texture: Clay Loam

Comments:

Find Rutgers Cooperative Extension Fact Sheets at www.njaes.rutgers.edu/pubs





Soil Testing Laboratory Rutgers, The State University ASB II 57 US Highway 1 South New Brunswick, NJ 08901-8554

Soil Test Report

Lab #: 2025-28025

Alliance Technical Group Yazmeen Gomez 284 Sheffield Street **Date Received:** 2025-09-17 **Date Reported:** 2025-09-25

Mountainside, NJ 07092

yazmeen.gomez@alliancetg.com (908)789-8900

Sample ID: OVEC - Kyger Creek TS-NSP

Results and Interpretations

Clay Loam

pH: 4.68 Very strongly acidic; suitable only for acid-tolerant plants.

Lime Requirement Index: 7.01

The Lime Requirement Index (LRI) is a measure of the buffering capacity of the soil, its resistance to pH change, and is used to determine the appropriate amount of limestone, when necessary. LRI value near 8.0 indicates low buffering capacity of soil and a lower rate of limestone amendment compared to soil with high buffering capacity (LRI near 7.0).

Macronutrients (pounds per acre)

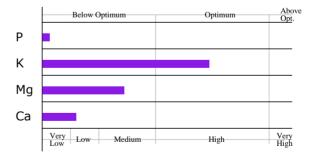
by Mehlich 3 extraction

Phosphorus: 6 (Below Optimum)

Potassium: 208 (Optimum)

Magnesium: 109 (Below Optimum)

Calcium: 698 (Below Optimum)



Micronutrients (parts per million)

Zinc(Zn)	Copper(Cu)	Manganese(Mn)	Boron(B)	Iron(Fe)	Sulfur(S)
0.41 (Low)	1.00 (Adequate)	73.22 (High)	0.51 (Low)	286.27 (High)	24.50 (Sufficient)

Special Tests Results

Visual Description:

Moist Color: Reddish Yellow to Yellowish Brown. As received: Moist, Loose + Aggregated + Cloddy, Fine-loamy Material. Coarse rock fragments: Few (maximum size 1/2 to 1 inch).

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Organic detritus: Few Roots, Stem fragments, Sticks, Coarse Splintered wood fragments.

Soluble Salts- Electrical conductivity= 0.06 mmho/cm

(Low)

Organic Matter by Carbon Analysis: Organic Matter=1.8%

Low for Clay Loam

Gravel Content- Larger than 2mm: 10.9%

Mechanical Analysis- Sand= 39% Silt=30% Clay= 31% Texture: Clay Loam

Comments:

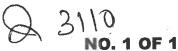
Find Rutgers Cooperative Extension Fact Sheets at www.njaes.rutgers.edu/pubs



Q3110



CHAIN OF CUSTODY RECORD



COMPANY INFORMATION PROJECT INFORMATION							REQUESTED ANALYSIS/METHOD							
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