284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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

Date: 9/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

RUTGERS
New Jersey Agricultural Experiment Station

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

Mountainside, NJ 07092

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

Date Received: 2025-09-17
Date Reported: 2025-09-25

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.

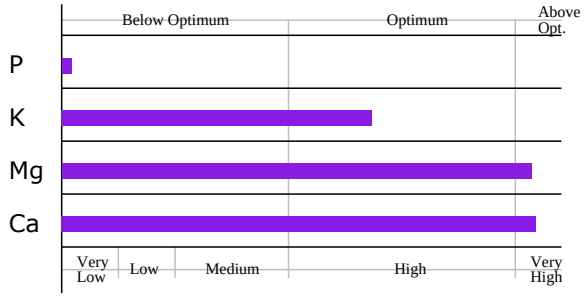
Lime Requirement Index: 7.34

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),

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 Program 2024
NAPT
www.naptprogram.org
Participating Laboratory

RUTGERS
New Jersey Agricultural Experiment Station

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

Mountainside, NJ 07092

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

Date Received: 2025-09-17
Date Reported: 2025-09-25

Sample ID: OVEC - Kyger Creek TS-NSP

Results and Interpretations

Clay Loam

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

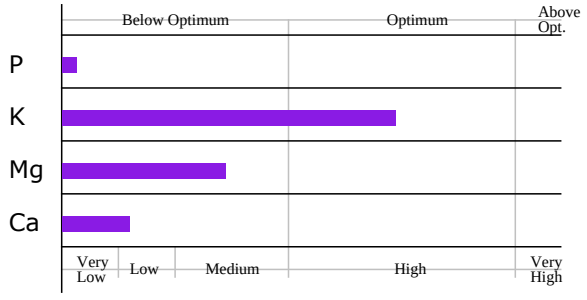
Lime Requirement Index: 7.01

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).

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

Soil Program 2024
NAPT
www.naptprogram.org
Participating Laboratory

ENTACT

CHAIN OF CUSTODY RECORD

Q 3110

NO. 1 OF 1

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	Kyger Creek
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9412

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	Standard Proctor ASTM D698-12	SIEVE ASTM D 422-63	Soil Class (ASTM D2487)	Hydraulic Conductivity (ASTM D5084)	Atterberg Limits (ASTM D4318)	Rutgers Agg Testing (**Topsoil Evaluation**)				COMMENTS
TS-SP	SOIL	9/12	9:00	S	G								X				
TS-NSP	SOIL	8/21	9:00	S	G								X				

REQUESTED ANALYSIS/METHOD

SAMPLER	M. Morrone	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER:

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	9/12	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Wyatt Seel / ENTACT		PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	
1. RECEIVED BY	**DATE**	**2. RECEIVED BY**	**DATE**	**3. RECEIVED BY**	**DATE**
SIGNATURE:	9-16-25	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Jahmir Davis	1000	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

16-8°C