UF | IFAS Extension
UNIVERSITY of FLORIDA
POWERED BY SOILKIT

Version: Latest (1)

Sample Type	Garden (Vegetables)
Nick Name	GDN1L
Registered Date	8/19/2024
Valid Thru	8/26/2025
Area Size	200 sq.ft.
Organic Preference	Yes
Date of last disturbance	1 Month

Help

TREATMENT RECOMMENDATIONS

Taking the calculated amendment needs and factoring in the provided area size, the products recommended account for the total lbs you need to apply across the entire area size.

Instructions

Please review the directions, restrictions, and precautions provided on the product labels. It is dangerous, wasteful, and sometimes illegal to do otherwise.

Some states, towns and counties restrict the use of fertilizers. Always check your local laws and regulations before purchasing and applying these products.

Product recommendations may include affiliate links. If so, AgriTech Corp. may earn commission for purchases made through links in these test results.

Organic product recommendations may be limited or unavailable due to supplier availability.

Disclaimer

This kit location may have application restrictions. **Florida Fertilizer Ordinances**

Espoma Organic Food (8-0-0)

Fertilizer Buy product

Apply 4.59 lbs

Purchase Options 30 lb bag (x1)

Elemental Sulfur

pH Modifier - Elemental Sulfur Buy product

Apply 0.8 lbs

Purchase Options 50 lb bag (x1) 4 lb bag (x1)

This approach combines scientific soil analysis, research-driven needs, and cutting-edge technology solutions to deliver personalized treatment recommendations aimed at optimizing soil fertility and promoting crop growth.

Assessment

Results brought to you by

AgriTech Corp. UF IFAS Extension UNIVERSITY of FLORIDA

If you have questions regarding the Analysis or Assessment of your soil test then contact your local county extension office; otherwise contact support@soilkit.com.

Unit: lbs/1000sqft

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For A Deeper Dive Into Your Specific Needs, Schedule A Consultation With Our Team Of Experts

Soil Analysis

The following report is based on University of Florida science. All product recommendations are made by AgriTech Corp. UF/IFAS or FFL does not recommend or endorse products.

The lab conducts an in-depth soil analysis, examining a range of components. The detailed breakdown below provides a thorough insight into soil properties and nutrient levels, classified into primary, secondary, and macro nutrient groups.

Soil Properties

Soil pH, Buffer pH, Cation Exchange Capacity (CEC) are important soil properties that can significantly influence the availability and uptake of nutrient elements by plants.

Soil pH	Buffer pH	Cation Exchange Capacity
pH **7.2**	BpH **7.55**	CEC **37.1** meq/100g

Estimated Nitrogen Release	Organic Matter	Sodium
ENR **5.33**	OM **11.61 %**	Na **0.69**

Macronutrients

Primary Nutrients

Nitrogen (N), Phosphorus (P), and Potassium (K) are essential major nutrients for plant growth and survival. These elements are often the first to be depleted in the soil due to the substantial quantities plants require. While fertilization is consistently necessary for nitrogen, routine soil analyses typically do not directly measure nitrogen levels. Instead, nitrogen needs are commonly assessed and assigned on a per-crop basis.**Refer to the Amendment needs section for your Nitrogen Assignment.**

Potassium	Phosphorus
K **7.14**	P **4.57**

Secondary Nutrients

Calcium (Ca) and Magnesium (Mg). Although essential to plant growth, there are usually enough of these nutrients in the soil so fertilization is not always needed.

Calcium	Magnesium
Ca **283.29**	Mg **12.28**

Micronutrients

Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn), and Zinc (Zn). They are essential for plant growth which are needed in only very small (micro) quantities. These elements are sometimes called minor elements or trace elements.

Boron	Copper	Iron
B **0.06**	Cu **0.2**	Fe **4.8**

Manganese	Zinc
Mn **0.92**	Zn **0.79**

Base Saturation

A concept in soil science that provides valuable information about the soil's overall nutrient balance. Can also help in understanding how various elements like Calcium (Ca), Magnesium (Mg), and Potassium (K) interact in the soil.

Calcium	Hydrogen	Potassium
Ca **83.1%**	H **9.7%**	K **1.1%**

Magnesium	Sodium
Mg **6%**	Na **0.2%**

AMENDMENT NEEDS

> Amendment needs are calculated based on a unit of measure; set to pounds per 1,000 square feet by default, unless adjusted otherwise by the user.

Nitrogen Assignment

An annual nitrogen recommendation has been established through standardized guidelines, utilizing research findings from field experiments. This is designed to determine the most effective application rate, ensuring optimal growing conditions for the specific crop you are cultivating.

Nitrogen

N **1.84** lbs

pH Modifiers

The lab identifies modifiers to adjust or regulate pH levels, these can either raise or lower the pH level depending on the desired result.

Sulfur (Elemental)

S **4** lbs

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