



Soil Report
Garden

Test Data

pH - Soil	5.80			Optimum Range (See Below)
Calcium, Mehlich 3 (Ca)	962.10 (ppm)	M		800 - 1200
Magnesium, Mehlich 3 (Mg)	70.00 (ppm)	M		60 - 120
Potassium, Mehlich 3 (K)	35.00 (ppm)	L		170 - 280
Phosphorus, Mehlich 3 (P)	114.00 (ppm)	H		30 - 50
Lead, Mehlich 3 (Pb)	6.25 (ppm)	VL		
Org. Matter, LOI-360 (OM)	5.58 (%)			
Optimum Range Key				
VL - Very Low	L - Low	M - Medium	H - High	VH - Very High

Lead Screening Results

Generally, it is considered safe to use garden produce grown on soils with UNH soil test lead values of less than 180 ppm (This is equivalent to the US EPA total lead level of 400 ppm using their testing procedure). The lead level in your soil sample is 6, and is in the **Very Low** range. Based on your results:

- No special precautions are necessary

Recommendations

Vegetable Garden (pH range 6.0 - 6.5)

Lime: Apply 115 lbs of Limestone per 1000 sq. ft. and mix thoroughly into the top 4-6 inches.

Nutrient Recommendations			
	Nitrogen	Phosphorus	Potassium
Nutrients Required (lbs per 1,000 sq. ft.)	3	0	4
Credits:			
from organic matter	1	-	-
Apply the equivalent of (per 1,000 sq. ft.)	2 lbs	0 lbs	4 lbs

Conventional Fertilizer Recommendations

We recommend that you uniformly broadcast 5.2 lbs per 1,000 sq. ft. of 10-0-10 plus 5 lbs per 1,000 sq. ft. of 0-0-22.

A second application of fertilizer (12 lbs per 1,000 sq. ft. of 10-0-10) 3-4 weeks after planting or transplanting should be side dressed or applied by banding six inches from the growing plants and if possible, lightly incorporated into the soil

This will result in a total application of 17.2 lbs per 1,000 sq. ft. of 10-0-10.

OR

Organic Fertilizer Recommendations

An equivalent organic source for 2 lbs of Nitrogen is 33 lbs of soybean meal, OR 15 lbs of dried blood.

An equivalent organic source for 4 lbs of Potassium is 18 lbs of sul-po-mag (0-0-22).

Composted manure is an excellent source of all three nutrients, but should not be used as the sole source on a long term basis.

Manure will provide approximately 1 lb of Nitrogen for every 800 lbs applied per 1000 sq. ft. Manures and composts are excellent sources of nutrients, but should not be used as the sole source on a long term basis. Please see the fact sheet Using manures and composts in the home garden.

Strawberries (pH range 5.8 - 6.5)

Conventional Fertilizer Recommendations

New Planting

Lime: Apply 11 lbs of Limestone per 100 sq ft and mix thoroughly into the top 4-6 inches.

Pre-plant fertilizer:

Nutrient Recommendations			
Nutrient	Calcium Nitrate	Superphosphate	Muriate of Potash
Apply the equivalent of (per 100 sq. ft.)	1.5 lbs	0 lbs	.5 lbs

Or if using a complete fertilizer: 2.2 lbs of 10-0-10 or equivalent per 100 sq. ft.

Mid July fertilizer: Broadcast 1.5-2.0 lbs Calcium Nitrate per 100 sq. ft., and water in.

Existing Plantings

Lime: Apply 11 lbs of Limestone per 100 sq ft at renovation and rake lightly into the soil.

Fruiting years: 1.5-2.0 lbs Calcium Nitrate per 100 sq. ft. immediately after harvest (renovation) and water in.

OR

Organic Fertilizer Recommendations

New Planting

Lime: Apply 11 lbs of Limestone per 100 sq ft and mix thoroughly into the top 4-6 inches.

Pre-plant fertilizer:

Organic Nutrient Recommendations			
Nutrient	Nitrogen	Phosphorus	Potash
Apply the equivalent of (per 100 sq. ft.)	0.25 lbs	0 lbs	0.25 lbs

An equivalent organic source for 0.25 lbs of Nitrogen include; 4 lbs of cottonseed meal OR 4 lbs of soybean meal, OR 2 lbs of dried blood.

An equivalent organic source for 0.25 lbs of Potash include; 1 lbs of sul-po-mag, OR 1 lbs of potassium sulfate.

Composted manure is an excellent source of all three nutrients, but should not be used as the sole source on a long term basis.

Mid July fertilizer: Broadcast 3.5 - 4.5 lbs of Cottonseed Meal or Soybean Meal per 100 sq. ft., and water in.

Existing Plantings

Lime: Apply 11 lbs of Limestone per 100 sq ft at renovation and rake lightly into the soil.

Fruiting years: 3.5 - 4.5 lbs of Cottonseed Meal or Soybean Meal per 100 sq. ft. - Apply after harvest at renovation.

General Comments

UNHCE recommends that soil tests be performed every two years to ensure that proper recommendations are made.

The recommendations made in this report are based on the current conditions of your soil. The addition of amendments or fertilizers may alter your soil conditions.

Specific fertilizer analyses are recommended for the purpose of simplicity. No endorsement of products is intended nor discrimination against similar products not mentioned.

For help in determining the suitability of other fertilizers and calculating application rates for them, please call the Education Center & Info Line at 877-EXT-GROW, Mon-Fri 9 a.m. - 2 p.m. answers@unh.edu

References

For more information, please refer to the following:

[*10 Steps to Success with Your Vegetable Garden*](#)

[*Lead Screening for NH Soils: Minimizing Health Risks*](#)

[*Understanding your soil test*](#)

[*Slow-Release Fertilizers for Home Gardens and Landscapes*](#)

[Fertilizing the Organic Garden](#)

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