

Soil Minerals.com
 Soil Report and Comments
 By Michael Astera

Garden Rx July 2015
 Date: 20 July 2015
 Mehlich 3 Soil Test by Logan Labs

Client: Tom Bigger **Location:** Kenosha Co WI **Soil Test:** Garden **Test Date:** 13 July 2015

Element		Result	Desired	Comments
Cation Exchange Capacity CEC meq		13.62		
pH of Soil Sample		6.4		
Organic Matter %		11.07%		
Anions				Amendments Per 1000 sq ft
Sulfur S (parts per million ppm)		22	106	Sulfates below will supply S
Phosphorus as P ppm		183	212	Add 20 lbs rock phosphate
Cations				
Calcium Ca++ ppm	Desired Found Deficit	1443	1852 -409	Add 25 lbs gypsum And 40 lbs high Calcium ag lime
Ca Base Saturation 60-70 %		52.99%	68%	
Magnesium Mg++ ppm	Desired Found Deficit	332	196	
Mg Base Saturation 10-20 %		20.32%	12%	
Potassium K+ ppm	Desired Found Deficit	642	212	
K Base Saturation 2-5 %		12.09%	4%	
Sodium Na+ppm		19	47	Add 3.2 lbs sea salt
Na Base Saturation 1-3%		0.59%	1.5%	
Other Bases		5.00%		
H+ Exch Hydrogen 10-15%		9.00%		
Minor Elements ppm				
Boron		0.79	1.85	Add 0.5 lb borax 9%B
Iron Fe		108	106	Good
Manganese Mn		58	50	Good
Copper Cu		1.47	10.60	Add 1.7 lbs CuSO4 25%Cu
Zinc Zn		8.76	21.20	Add 1.6 lbs ZnSO4 35%Zn
Aluminum		234		Normal

Soil Minerals.com
Soil Report and Comments
By Michael Astera

Garden Rx July 2015
Date: 20 July 2015
Mehlich 3 Soil Test by Logan Labs

Client: Tom Bigger **Location:** Kenosha Co WI **Soil Test:** Garden **Test Date:** 13 July 2015

Notes:

Tom Bigger-- biglee60@msn.com

Veg garden.

Kenosha county WI.

Size of area--- 900 sq ft

Soil texture-- Not sure maybe 5 or 6?

Sampling depth--- 6"

Soil source---- native topsoil

Crops to be grown--- Vegies, Corn, tomatoes, peppers, beans, swiss chard, potatoes, cucumbers , broccoli and onions.

Years in production--- 1996 to present? I think the people that owened the property before me gardened here sence 1976?

Fertilizer and amendmets--- Espoma tomato tone and garden tone, un-composted grass clippings.

Weeds-- Quick weed and crabgrass.

I don't have insect problems. I have had problems growing beans, peppers and potatoes the last few years.

From Michael Astera- Bringing S, Ca, B, Cu, and Zn to optimum levels will greatly increase fertility and crop production.

Continued next page

Soil Minerals.com
Soil Report and Comments
By Michael Astera

Garden Rx July 2015
Date: 20 July 2015
Mehlich 3 Soil Test by Logan Labs

Client: Tom Bigger **Location:** Kenosha Co WI **Soil Test:** Garden **Test Date:** 13 July 2015

USDA Organic Nutrients Recommended Per 1000 sq ft:

Phosphate rock, soft or hard type: 20 lbs

Gypsum 22%Ca 16%S: 25 lbs

High Calcium ag lime 38%Ca: 40 lbs

Sea salt or Redmond salt: 3.2 lbs

Borax 10%B: 0.5 lb

Copper sulfate 25%Cu: 1.7 lbs

Zinc sulfate 35%Zn: 1.6 lbs

Feather meal: 20 lbs

Azomite trace minerals: 10 lbs

Kelp meal: 10 lbs

Humate ore: 10 lbs

All of the above may be mixed together for even application