

WEST VIRGINIA UNIVERSITY SOIL TESTING LABORATORY
P.O. Box 6108, MORGANTOWN, WV 26506-6108



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SAMPLE DETAILS **Sample ID: NEW VEG. GARDEN**

Sample Date	3/15/2016	Previous Crop	NONE
LAB ID	16-xxxx	Soil Name	
Limed in last 12Months	No	Soil Texture	Silty Clay Loam
Area (Sq.Ft)	1000	Tillage Method	Conventional

LAB TEST RESULTS

Nutrients	Values	Rating		LOW	MEDIUM	HIGH	V HIGH
Soil pH	4.7	L.R.: 4.2					
P2O5(Lbs/A)	16	LOW	P2O5				
K2O(Lbs/A)	167	HIGH	K2O				
Ca(Lbs/A)	765	LOW	Ca				
Mg(Lbs/A)	164	MEDIUM	Mg				

Nutrients	K	Ca	Mg	H	Total[CEC], BS(K+Ca+Mg)
MEQ/100	0	2	1	8	11
%Sat	2	18	7	75	27

RECOMMENDATIONS FOR CROP: HOME GARDENS

Aglime	180* Lbs/1000 Sq.Feet
Fertilizer - N (Lbs/1000 Sq.Ft)	2 **
Fertilizer - P2O5 (Lbs/1000 Sq.Ft)	4
Fertilizer - K2O (Lbs/1000 Sq.Ft)	2

SUGGESTIONS

* If pH is above 5.5 do not apply lime to root crops, potatoes, and peppers.

You can use any fertilizer or natural material that supplies the plant nutrients recommended. Your county agent can help you determine suitable grades and rates. Commercial fertilizers carry a label showing percentages of nitrogen-phosphate-potash; For example, a 50 Lbs bag of 5-10-10 contains 2.5 Lbs of nitrogen (N), 5 Lbs of phosphate (P2O5), and 5 Lbs of potash (K2O). If your recommendation calls for 2 Lbs of N / 1000 sq.Ft only, you should apply 6 Lbs of ammonium nitrate (33-0-0) fertilizer.

For best results, retest and loosen the top 6-12 inches of soil every fall and mix in recommended lime, 2/3 of the fertilizer and any available rotted compost. If soil test levels are very high (VHI), use only compost and 2/3 of the nitrogen. Apply the remainder of the fertilizer at planting time. Leafy crops can be sidedressed at early or intermediate growth stages with 3 tablespoons of 33-0-0 nitrogen fertilizer per 10 feet of row. Potatoes and asparagus can take a little more. Do not apply nitrogen to carrots, beets, watermelons, or sweet potatoes.

If K is over 500, Ca is over 8000, and Mg is over 600, you can avoid toxic salt effects by loosening the subsoil and adding organic matter; do not use manure.