



**Predictive
Soil Report**

Mehlich-3 Extraction

Client: Friedrick, Chuck/Charles
PO Box 1037; 205 Klumac Rd
Salisbury, NC 28144

Advisor: Debbie Stringer
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Sampled County : Rowan

Client ID: 367189

Advisor ID: 418208

[Links to Helpful Information](#)

Sampled: 08/13/2017 Received: 08/18/2017 Completed: 08/29/2017 Farm:

Agronomist's Comments:

You selected bioretention cell- crop code 200 for some samples. Soil test values of phosphorus (P-I) are suitable for use when they are between 10 and 30. If the P-I is less than 10, ¼ teaspoon of 18-46-0 (diammonium phosphate) can be applied per 1 ft diameter of hole when a plant is installed.

A target pH of 5.8 is desired so any lime recommended is due to a significantly lower pH. Lime is used to raise pH. A 15 lb per 1,000 sq ft lime rate (15M) is equivalent to the application of 1 teaspoon of pelleted lime per 1 ft. diameter hole.

Questions about stormwater rules and regulations can be addressed directly to Robert Patterson at Robert.Patterson@ncdenr.gov or by phone 919-807-6375. The following websites might also be beneficial: <http://portal.ncdenr.org/web/wq/ws/su> and <http://portal.ncdenr.org/web/wq/ws/su/bmp-manual>.

Sample ID: BRD2A	Recommendations:	Lime										More Information
	Crop	Nutrients (lb/1000 sq ft)										
Lime History:		(lb/1000 sq ft)	N	P₂O₅	K₂O	Mg	S	Mn	Zn	Cu	B	
	1 - Bioretention cell	0.0									0	
	2 -											

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO₃-N in mg/dm³]:																	Soil Class: Mineral			
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO₃-N
0.13	1.06	9.5	100	0.0	7.3	19	74	86	10	359	280			249	249	167	0.5	5		

Sample ID: BRD2B	Recommendations:	Lime										More Information
	Crop	Nutrients (lb/1000 sq ft)										
Lime History:		(lb/1000 sq ft)	N	P₂O₅	K₂O	Mg	S	Mn	Zn	Cu	B	
	1 - Bioretention cell	0.0									0	
	2 -											

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO₃-N in mg/dm³]:																	Soil Class: Mineral			
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO₃-N
0.13	0.97	10.4	100	0.0	7.3	23	92	85	10	370	288			235	235	163	0.6	6		



Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.

- Steve Troxler, Commissioner of Agriculture