

# Nutrient Management Plan

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Thomas Nelson/Historic Triangle Campus

Prepared For:

John W. Mason  
99 Thomas Nelson Drive  
Hampton, VA 23670  
757-825-3694

Prepared By:

Christy F. Smith  
3160 Jacobia Lane  
Cape Charles, VA 23310  
757-678-6129

Certification Code: 297

Total Acreage: 8 acres

The purpose of this Nutrient Management Plan is to ensure minimum movement of nitrogen and phosphorus from the specified area of application to surface and groundwaters where they can potentially have a detrimental effect on water quality as well as ensuring that plants have optimum soil nutrient availability for good productivity and quality. By following this soil test based plan you are helping to protect local waters and the Chesapeake Bay.

If you have questions, please contact your plan writer, local Virginia Cooperative Extension



# Nutrient Management Plan for: Thomas Nelson/Historic Triangle Campus

<b>Landowner Information</b>	
Company Name	<i>Thomas Nelson/Historic Triangle Campus</i>
Customer Name	<i>John W. Mason</i>
Mailing Address	<i>99 Thomas Nelson Drive</i>
City State Zip	<i>Hampton, VA 23670</i>
Phone	<i>757-825-3694</i>
Email	<i>MasonJ@tncc.edu</i>

<b>Planners Informaiton</b>	
Planner Name	<i>Christy F. Smith</i>
Mailing Address	<i>3160 Jacobia Lane</i>
City State Zip	<i>Cape Charles, VA 23310</i>
Phone	<i>757-678-6129</i>
Fax	<i>757-331-3957</i>
Email	<i>christy@smithagronomic.com</i>
Certification Code	<i>297</i>

<b>Location Information</b>	
Physical Address	<i>4601 Opportunity Way</i>
City State Zip	<i>Williamsburg, VA 23188</i>
<a href="#">Coordinates</a>	<i>37.335916</i>
Please Use NAD 83 Deg Min Sec	<i>-76.755489</i>
<a href="#">VAHU6 Watershed Code</a>	<i>JL31</i>
County	<i>James City County</i>

<b>Square Footage</b>	
Total	<i>348480 sq ft/8 acres</i>
Area 1	<i>135,036 sq ft</i>
Area 2	<i>213,444 sq ft</i>
Area 3	
Area 4	

Plan Start Date	<i>6/30/21</i>
Plan End Date	<i>6/30/24</i>

Planner Signature	<i>Christy F. Smith</i>
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# Narrative

Thomas Nelson Community College/Histric Triangle Campus is located on 4601 Opportunity Way, Williamsburg, VA 23188, just off of Centerville Road. The site is seeded with fescue.

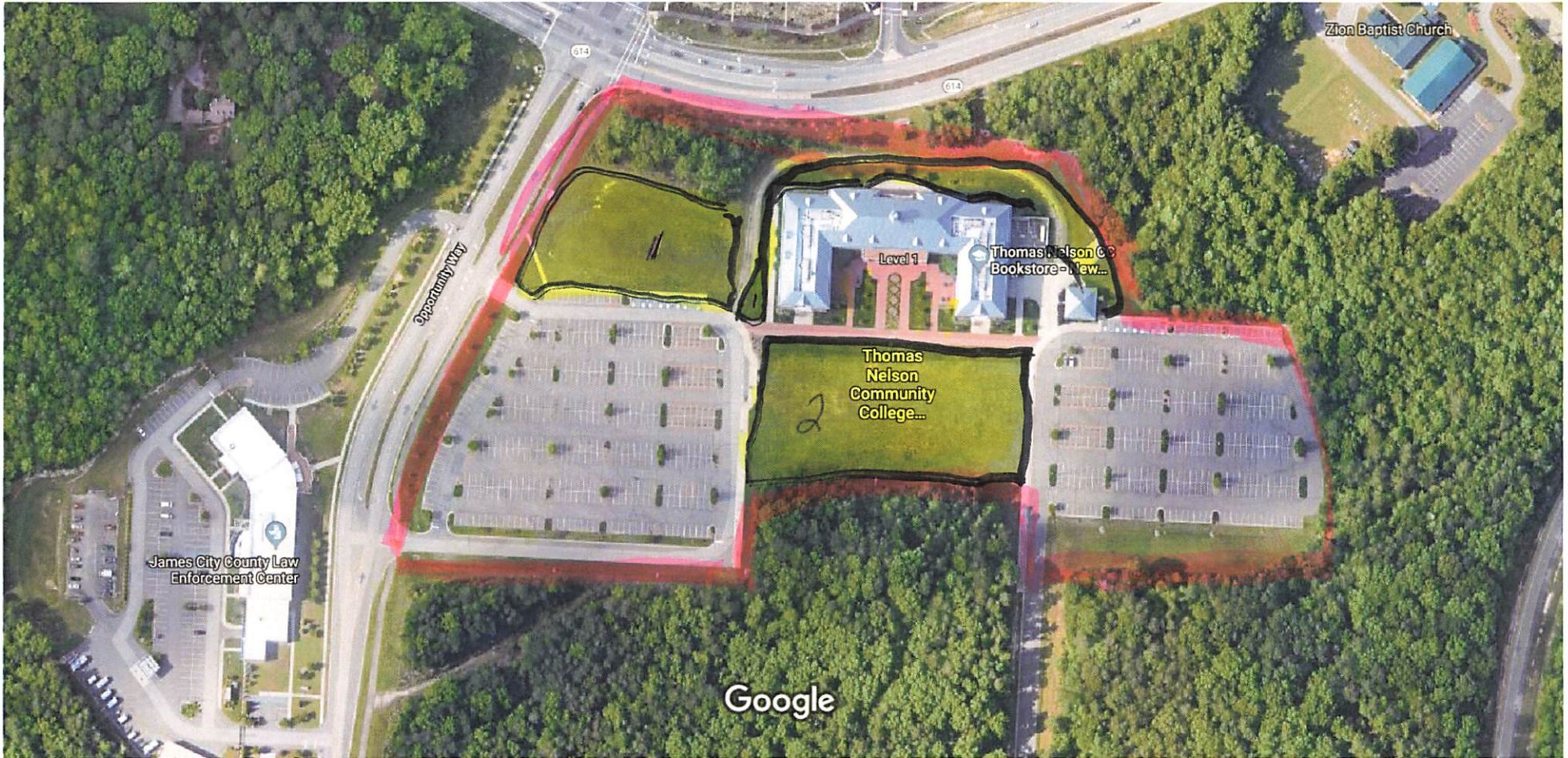
Currently 8 acres of turfgrass (348,480 square feet) receive nutrient applications. The acreage was measured by laser. Lime is not needed at this time. The agency must not apply nutrients at higher rates or more frequently than specified in the nutrient management plan.

There are no environmentally sensitive sites located on campus.

Nutrient applications are prohibited on frozen/snow covered ground.

Thomas Nelson Community College agrees to comply with all requirements set forth in the Nutrient Management Training and Certification Regulations, 4VAC5-15-10 et seq., and to follow recommendations for turf fertilization and management as described in the attached Virginia Nutrient Managemet Standards and Criteria, Revised July 2014. This includes implementing the Department of Conservation and Recreation's approved Nutrient Management Plan and maintaining fertilization records. Soil testing is recommended at least once every three years. This plan is effective for 3 years, expiring 6/30/2024 or until any major renovation or major changes to maintenance practices occur which effects the fertilized/lime areas.

Google Maps Thomas Nelson Community College, Historic Triangle Campus



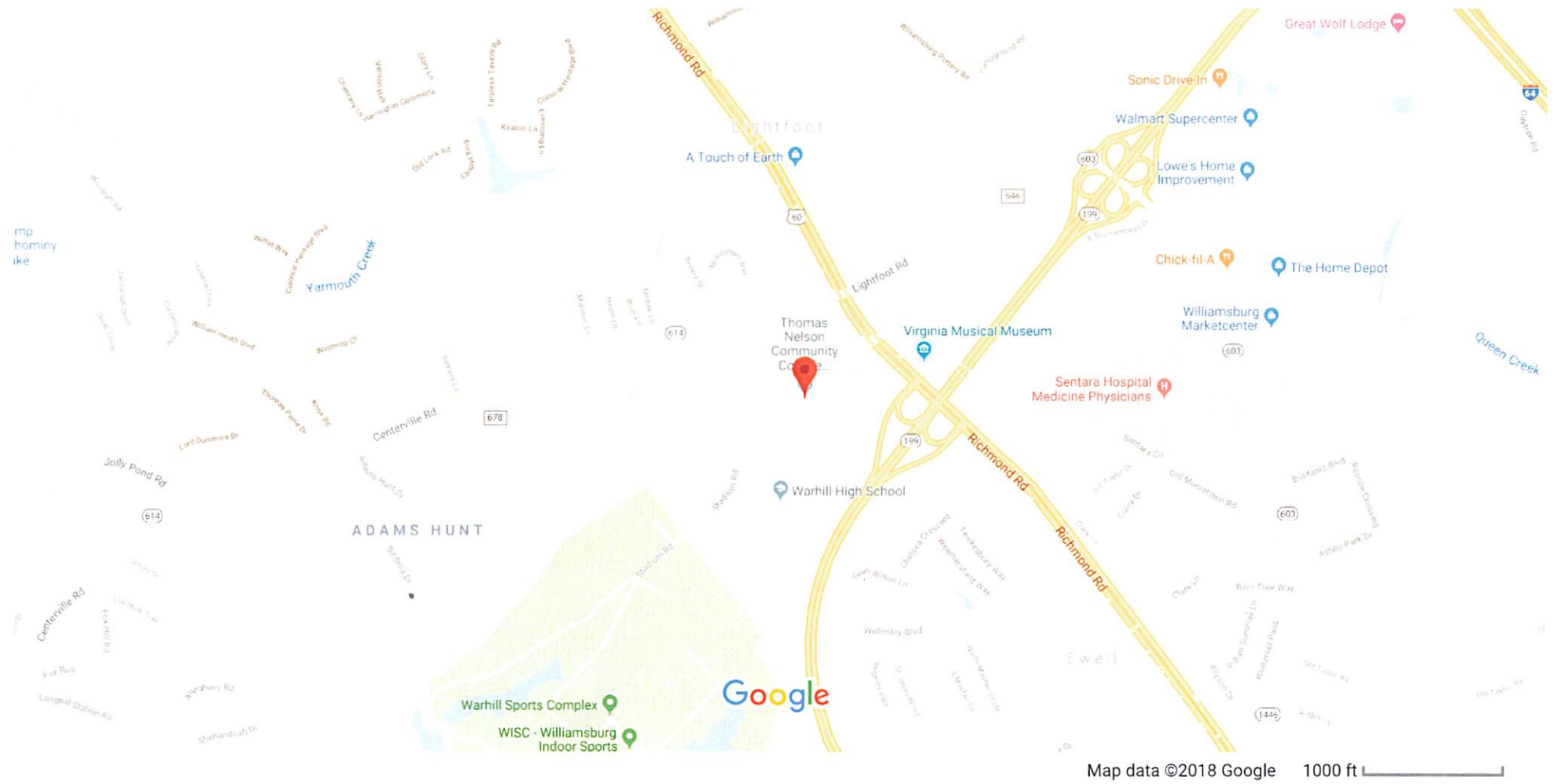
Imagery ©2018 Commonwealth of Virginia, DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2018 Google 100 ft

Area 1 - 3.1 acres  
Area 2 - 4.9 acres

Campus  
Fertilized areas  
8 acres



# Thomas Nelson Community College, Historic Triangle Campus



## Nutrient Application Worksheet

<b>NAME:</b>	John W. Mason						<b>Management Area:</b>				1								
<b>Prepared:</b>	6/30/21						<b>Area (sq ft):</b>		135036		<b>Species:</b>		fescue						
<b>Expires:</b>	6/30/24																		
Total Nutrient Needs	Application Month/Day	Analysis	# of Apps	Application Interval	Fertilizer Type	Fertilizer Description	Rate per 1000ft <sup>2</sup>	lbs or oz	%Slow Release N	Total NPK lbs/1000ft <sup>2</sup>			Gypsum	Lime	Total Product per App. (lbs or oz)				
Nitrogen		N - P - K								N - P <sub>2</sub> O <sub>5</sub> - K <sub>2</sub> O									
2	9/1	20 - 10 - 10	1	30 days	dry	granular	3.50	lbs	0%	0.70	0.35	0.35			473				
Phosphorus	10/1	20 - 10 - 10	1	30 days	dry	granular	3.50	lbs	0%	0.70	0.35	0.35			473				
1	4/1	17 - 8 - 8	1	30 days	dry	granular	3.50	lbs	0%	0.60	0.28	0.28			473				
Potassium		- - -								0.00 - 0.00 - 0.00					0				
1		- - -								0.00 - 0.00 - 0.00					0				
		- - -								0.00 - 0.00 - 0.00					0				
		- - -								0.00 - 0.00 - 0.00					0				
		- - -								0.00 - 0.00 - 0.00					0				
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							<b>Total</b>		#####	2.00	0.98	0.98							
<b>Notes:</b>			<b>N Recommendation Range and Soil Test Ratings</b>								2	1	1						



# Soil Test Summary

<b>Customer Name:</b>	John W. Mason
<b>Testing Lab:</b>	Virginia Tech
<b>Sample Date:</b>	6/23/2021
<b>Planner Name</b>	Christy F. Smith
<b>Certification Number</b>	297

Managed Area ID	AREA (sq ft)	Soil pH	Buffer pH	Lab Test P	VT (H/M/L)	Lab Test K	VT (H/M/L)	Species
1	135,036	6.9	6.47	54	H-	176	H-	fescue
2	213,444	6.3	6.32	10	L+	128	M	fescue

**Notes:** No lime needed at this time.



# Virginia Cooperative Extension

## Soil Test Report

**Questions? Contact:**  
 James City County Office  
 3127 Forge Road  
 P.O. Box 69  
 Toano, VA 23168-0069  
 757-564-2170

Virginia Tech Soil Testing Laboratory  
 145 Smyth Hall (0465)  
 185 Ag Quad Ln  
 Blacksburg, VA 24061  
 www.soiltest.vt.edu

SEE NOTES:  
**1 3**  
 at www.soiltest.vt.edu under Report Notes

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**SMITHAG**  
**3160 JACOBIA LN**

**CAPE CHARLES, VA 23310**

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### SAMPLE HISTORY

Sample ID	Field ID	LAST CROP		LAST LIME APPLICATION		SOIL INFORMATION				
		Name	Yield	Months Prev.	Tons/Acre	SMU-1 %	SMU-2 %	SMU-3 %	Yield Estimate	Productivity Group
TNHT1	HISTORICTR									III

### LAB TEST RESULTS (see Note 1)

Analysis	P (lb/A)	K (lb/A)	Ca (lb/A)	Mg (lb/A)	Zn (ppm)	Mn (ppm)	Cu (ppm)	Fe (ppm)	B (ppm)	S.Salts (ppm)
Result	54	176	2853	206	34.5	17.2	0.4	45.6	0.9	
Rating	H-	H-	VH	H+	SUFF	SUFF	SUFF	SUFF	SUFF	

Analysis	Soil pH	Buffer Index	Est.-CEC (meq/100g)	Acidity (%)	Base Sat. (%)	Ca Sat. (%)	Mg Sat. (%)	K Sat. (%)	Organic Matter (%)
Result	6.9	6.47	8.2	0.5	99.5	86.5	10.3	2.7	

### FERTILIZER AND LIMESTONE RECOMMENDATIONS

Crop: Native or Unimproved Pasture (42)

Lime, TONS/AC	
Amount	Type
0	

Fertilizer, lb/A		
N	P2O5	K2O
See Comment	0	0

825. If stand contains less than 25 percent clover, apply 40-60 lbs N/A.

131. If additional production is needed later on, apply 40 to 60 lbs/A of N during the grazing season. If you are planning to overseed a legume into the stand, omit the N recommendation.

123. P2O5 and K2O recommendations are for single applications made every 3 to 4 years. After this time, soils should be re-tested.

991. "Explanation of Soil Tests, Note 1" and other referenced notes are viewable at www.soiltest.vt.edu under Report Notes.

# Virginia Cooperative Extension

## Soil Test Report

**Questions? Contact:**  
 James City County Office  
 3127 Forge Road  
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 757-564-2170

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 145 Smyth Hall (0465)  
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SEE NOTES:  
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**SMITHAG**  
**3160 JACOBIA LN**  
  
**CAPE CHARLES, VA 23310**

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### SAMPLE HISTORY

Sample ID	Field ID	LAST CROP		LAST LIME APPLICATION		SOIL INFORMATION				
		Name	Yield	Months Prev.	Tons/Acre	SMU-1 %	SMU-2 %	SMU-3 %	Yield Estimate	Productivity Group
TNHT2	HISTORICTR									III

### LAB TEST RESULTS (see Note 1)

Analysis	P (lb/A)	K (lb/A)	Ca (lb/A)	Mg (lb/A)	Zn (ppm)	Mn (ppm)	Cu (ppm)	Fe (ppm)	B (ppm)	S.Salts (ppm)
Result	10	128	1636	222	1.6	5.8	0.3	58.7	0.4	
Rating	L+	M	H-	VH	SUFF	SUFF	SUFF	SUFF	SUFF	

Analysis	Soil pH	Buffer Index	Est.-CEC (meq/100g)	Acidity (%)	Base Sat. (%)	Ca Sat. (%)	Mg Sat. (%)	K Sat. (%)	Organic Matter (%)
Result	6.3	6.32	5.6	8.4	91.6	72.4	16.2	2.9	

### FERTILIZER AND LIMESTONE RECOMMENDATIONS

Crop: Native or Unimproved Pasture (42)

Lime, TONS/AC		Fertilizer, lb/A	
Amount	Type	N	K20
0		See Comment	80

825. If stand contains less than 25 percent clover, apply 40-60 lbs N/A.

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# Fertilizer Application Records

Customer Information				Management Area Information			
Name:	John W. Mason			Management Area ID:			
Address:	4601 Opportunity Way			Management Area Size:			
	Williamsburg, VA 23188			Plant Species:			
Phone #:	757-825-3694			Notes:			

Date (M/D/Y)	Supervisor/Applicator	Weather Conditions			Fertilizer Analysis	Rate	Amount Fertilizer Used	Application Equipment Used
		Temp	Wind Speed	Precip				

When was the last time your fertilizer equipment was calibrated???

For information on calibration see Chapter 10 of the "Urban Nutrient Management Handbook".

Available for download at <http://pubs.ext.vt.edu/430/430-350/430-350.html>