

Nutrient Management Plan

Thomas Nelson/Hampton 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: 23.3 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/Hampton Campus

Landowner Information	
Company Name	<i>Thomas Nelson/Hampton 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>

Planners Informaiton	
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>

Location Information	
Physical Address	<i>99 Thomas Nelson Drive</i>
City State Zip	<i>Hampton, VA 23670</i>
Coordinates	<i>37.063228</i>
Please Use NAD 83 Deg Min Sec	<i>-76.422549</i>
VAHU6 Watershed Code	<i>CB23</i>
County	<i>Hampton</i>

Square Footage	
Total	<i>1,014,948 sq ft/23.3 acres</i>
Area 1	<i>574,992 sq ft</i>
Area 2	<i>439,956 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/Hampton is located on Thomas Nelson Drive north of I-64, near Big Bethel Road in Hampton. The site is seeded with fescue.

Currently 23.3 acres of turfgrass (1,014,948 square feet) receive nutrient applications. The acreage was measured by laser. The campus soil sample 1 showed low pH and 2 tons of lime is recommended. The agency must not apply nutrients at higher rates or more frequently than specified in the nutrient management plan.

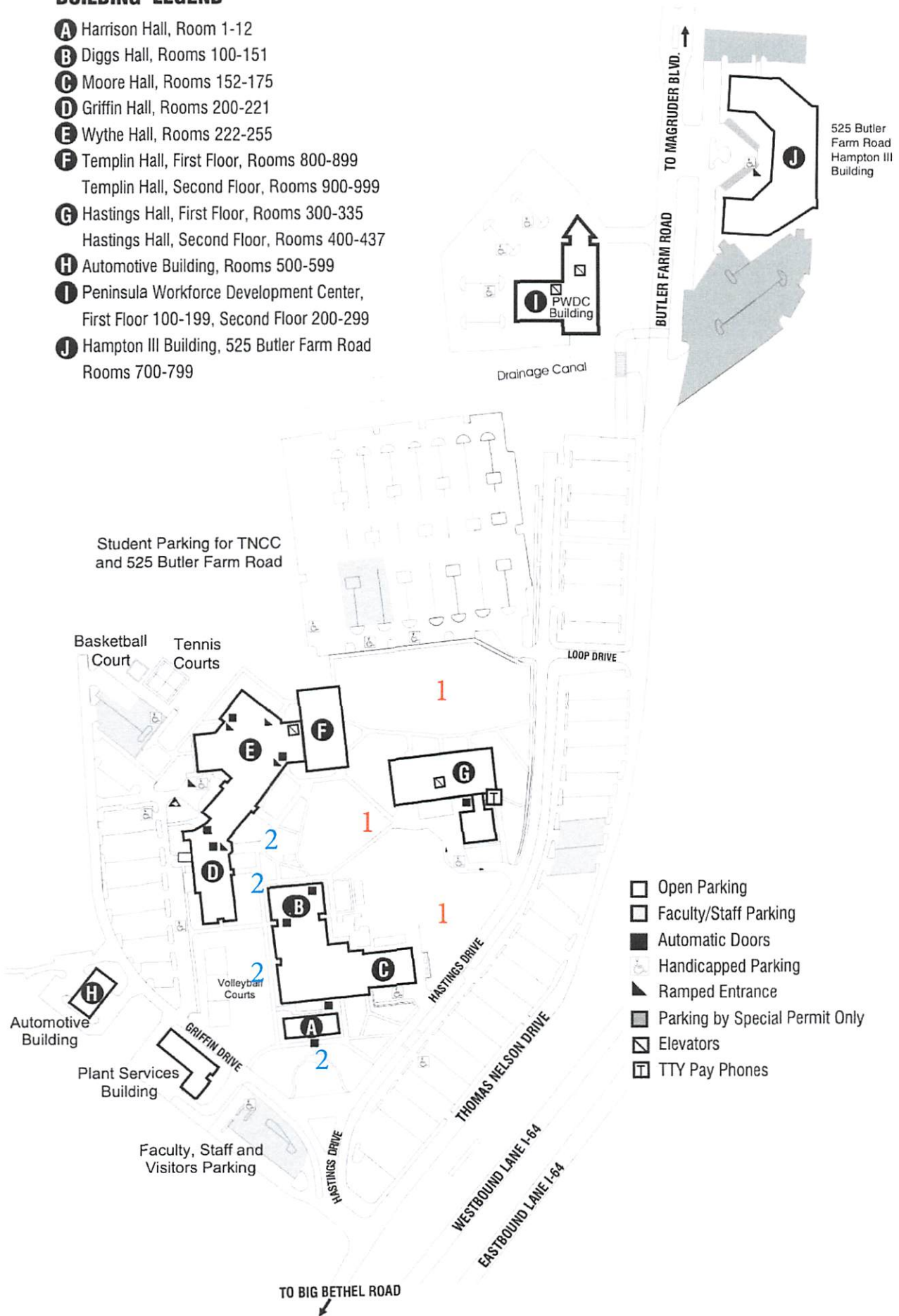
There are no environmentally sensitive sites located on campus.

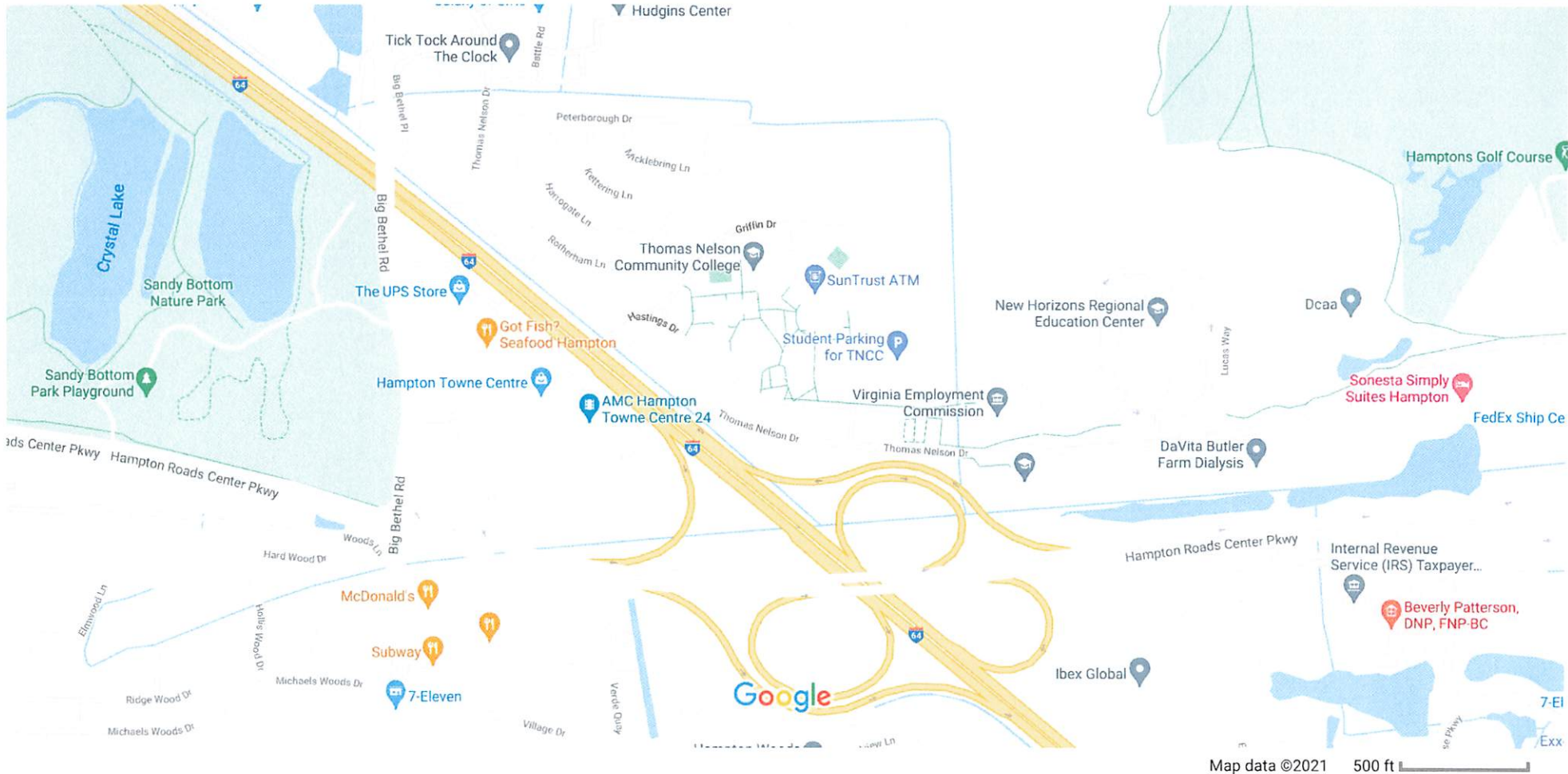
Nutrient Applications are prohibited on frozen/snow covered ground.

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 Management 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 needed at least once every 3 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.

BUILDING LEGEND

- A** Harrison Hall, Room 1-12
- B** Diggs Hall, Rooms 100-151
- C** Moore Hall, Rooms 152-175
- D** Griffin Hall, Rooms 200-221
- E** Wythe Hall, Rooms 222-255
- F** Templin Hall, First Floor, Rooms 800-899
Templin Hall, Second Floor, Rooms 900-999
- G** Hastings Hall, First Floor, Rooms 300-335
Hastings Hall, Second Floor, Rooms 400-437
- H** Automotive Building, Rooms 500-599
- I** Peninsula Workforce Development Center, First Floor 100-199, Second Floor 200-299
- J** Hampton III Building, 525 Butler Farm Road Rooms 700-799





Nutrient Application Worksheet

NAME:		John W. Mason					Management Area:				1				
Prepared:		6/30/21					Area (sq ft):		574992		Species:		fescue		
Expires:		6/30/24													
Total Nutrient Needs	Application Month/Day	Analysis	# of Apps	Application Interval	Fertilizer Type	Fertilizer Description	Rate per 1000ft ²	lbs or oz	%Slow Release N	Total NPK lbs/1000ft ²			Gypsum	Lime	Total Product per App. (lbs or oz)
Nitrogen		N - P - K								N - P ₂ O ₅ - K ₂ O				2T/acre	
2	9/1	20 - 15 - 10	1	30 days	dry	granular	3.50	lbs	0%	0.70	0.53	0.35			2012
Phosphorus	10/1	20 - 15 - 10	1	30 days	dry	granular	3.50	lbs	0%	0.70	0.53	0.35			2012
1.5	4/1	17 - 10 - 8	1	30 days	dry	granular	3.50	lbs	0%	0.60	0.35	0.28			2012
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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		- - -								0.00 - 0.00 - 0.00					0
							Total		#####	2.00 - 1.40 - 0.98					

N Recommendation Range and Soil Test Ratings

	2	1.5	1
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Notes:

Soil Test Summary

Customer Name:	John W. Mason
Testing Lab:	Virginia Tech
Sample Date:	6/23/2021
Planner Name	Christy F. Smith
Certification Number	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	574,992	5.3	5.86	18	M-	191	H-	fescue
2	439,956	6.1	6.21	39	H-	174	M+	fescue

Notes:	2 tons/acre lime is recommended for Area 1.
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Virginia Cooperative Extension

Soil Test Report

Questions? Contact:
 Hampton City Office
 1919 Commerce Drive
 Suite 340
 Hampton, VA 23666
 757-727-1401

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
HAMP1	THOMASNELS									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	18	191	1351	266	4.5	6.6	0.2	29.9	0.3	
Rating	M-	H-	M+	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	5.3	5.86	7.9	40.5	59.5	42.6	13.8	3.1	

FERTILIZER AND LIMESTONE RECOMMENDATIONS

Crop: Native or Unimproved Pasture (42)

Lime, TONS/AC		Fertilizer, lb/A	
Amount	Type	N	P2O5
3.5	AG	90	0
Comment			

635. No further crop response is expected when applying more than 2 to 3 T/A of lime in one application. Therefore, apply half of the total lime now, and the remainder in 6 to 12 months.

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.

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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
HAMP2	THOMASNELS									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	39	174	1729	267	3.7	4.7	0.2	57.9	0.3	
Rating	H-	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	6.1	6.21	6.8	16.7	83.3	63.8	16.3	3.3	

FERTILIZER AND LIMESTONE RECOMMENDATIONS

Crop: Native or Unimproved Pasture (42)

Lime, TONS/AC	
Amount	Type
0	

Fertilizer, lb/A		
N	P2O5	K2O
See	0	40
Comment		

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

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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.

Fertilizer Application Records

Customer Information				Management Area Information				
Name:	John W. Mason			Management Area ID:				
Address:	99 Thomas Nelson Drive			Management Area Size:				
	Hampton, VA 23670			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>