

# SUGGESTED MAINTENANCE FERTILIZATION FOR ESTABLISHED LAWNS IN THE PIEDMONT

LAWN GRASS TYPE	Fertilization	Monthly Application Rate (lb N/1000 sq. ft.)												Total lb. N Per 1000 sq. ft./yr.				
		J	F	M	A	M	J	J	A	S	O	N	D					
Bermudagrass	Basic					1				1					1			3
	High				1	1	1	1	1	1								6
Tall Fescue	Basic		0.5												1			2
	High	1	0.5												1	1	0.5	4
Zoysiagrass <small><i>Emerald &amp; Meyer cultivars</i></small>	Basic									1								1
	High					1												2
Zoysiagrass <small><i>Other cultivars</i></small>	Basic									1								2
	High					1												3

Recommended by Carolina Lawns - A Guide to Maintaining Quality Turf in the Landscape by NCSU, A&T University Cooperative Extension



## Durham Soil & Water Conservation District

### MISSION STATEMENT

To conserve, enhance and promote the natural resources of Durham County by providing technical assistance, environmental education information, and economical incentives to county citizens and by exhibiting a diversified program to meet its changing needs.

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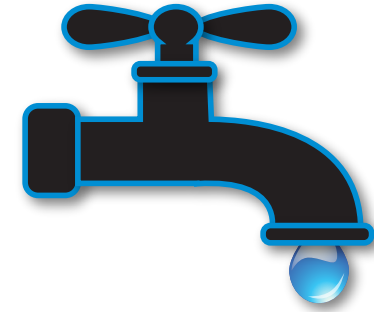
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## VOLUNTARY NUTRIENT REDUCTION PROGRAM



**HELP US  
PROTECT  
NORTH  
CAROLINA'S  
DRINKING  
WATER.**

**Durham Soil & Water  
Conservation District**

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## What is the VOLUNTARY NUTRIENT REDUCTION PROGRAM?

*Durham County Government must promote training and education regarding the proper use of fertilizers in order to meet state requirements for nutrient reductions.*

Durham County's Voluntary Nutrient Reduction Program encourages citizens to reduce their fertilizer use by 40% and follow these guidelines:

1. Fertilizers to be applied to turf areas should contain no less than 50% slow release nitrogen, per the guaranteed analysis label.
2. Use of fertilizers containing phosphorus should not be used unless a soil test has been conducted and the test indicates that phosphorus is required.
3. Fertilizers should not be applied when a runoff producing rainfall is occurring or predicted.
4. Fertilizers should not be applied to impervious surfaces or washed or blown off of impervious surfaces into storm drains or roadways.
5. Fertilizers should not be applied within 10 ft. of any waterway or body of water.

### FERTILIZER FORMULA

To determine the correct amount of fertilizer to use, follow the procedure described below:

- To apply 1 lb. of Nitrogen per 1000 sq. ft., divide the 1st number on the fertilizer bag into 100. For example, a 16 - 4 - 8 fertilizer should be applied at a rate of 6.25 lbs. per 1000 sq. ft. ( $100 / 16 = 6.25$ )
- To apply 1/2 lb. of Nitrogen per 1000 sq. ft., divide the 1st number on the fertilizer bag into 50.

## SUMMARY OF RULES

CATEGORY	JORDAN LAKE	FALLS LAKE
Reductions Required	35% Nitrogen  5% Phosphorus	Stage I 20% N 40% P  Stage II 40% N 77% P
Rules Effective	August 11, 2009	January 15, 2011
Baseline Data	1997-2001	2006
Nutrient Management	Applicators must be certified by August, 2012 (or) Nutrient management plans for parcels of > 5 acres	No applicator certification required (or) No nutrient management plans required (Neuse Rules) > 50 acres
Registration	Not required	Required for agriculture operations including those related to crops, horticulture, livestock and poultry or engaging in research activities in support of commercial productions.

## BENEFITS TO COUNTY CITIZENS

- A reduction in county expenditures and tax revenue requirements which are estimated to be in the range of 1.25 to 2.16 billion dollars.
- This program's strategy will help the county meet its nutrient reduction goals, as required by the Jordan and Falls Lake Rules.
- This program is a proactive approach to nutrient reductions and watershed protection and will serve as a conservation and education model for other counties.
- Reductions in nutrients made by registered individuals and entities will be tracked and cataloged.
- Citizens of Durham County will gain a greater knowledge with regard to the sources of nutrient pollution and nutrient migration.
- This program will educate and better prepare citizens concerning good water conservation practices that will further help the county prepare for future water demands as the population increases.