

OTHER INFORMATION

Equivalents:

Football Field Area:

360' x 160' = 57,600 sq ft = 1.3 acres

Area Between Football Field Hashmarks:

300' x 54' = 16,200 sq ft = 0.37 acres

Soccer Field Area:

From 45,000 to 117,000 sq. ft. or
from 1 to 2.7 acres.

Area in 440 Yard Oval:

100,188 sq. ft. = 2.3 acres

IMPORTANT APPLICATION PRACTICES FOR SOUND NUTRIENT MANAGEMENT PROGRAMS TO PROTECT WATER RESOURCES:

- **Never exceed 1 lb of soluble N in any application.**
- **Soil test to determine if phosphorus application is required.**
- **Do not apply fertilizers to hard or paved surfaces (driveways, sidewalks, etc)**

ADDITIONAL INFORMATION

For more information, contact your local Virginia Cooperative Extension (VCE) office or access the Internet and connect to VCE's web site at <http://www.ext.vt.edu>.

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SOIL TESTING LABORATORY

Soil Test Note 14: Athletic Fields, Golf Course Fairways, Sod Production, and Large Industrial/Recreational Lawns (Supplement to Soil Test Report)

Proper Fertilization is essential for the production of quality turf in Virginia. However, exceeding recommended fertilizer application rates or improper application timing can negatively impact surface water and groundwater quality. A well-planned and environmentally sound turfgrass fertilization program will take into account:

1. native soil fertility;
2. nutrient source characteristics
3. desired turfgrass quality or performance
4. nutrient application rate;
5. application frequency;
6. season of application and
7. application.

APPLYING LIME

If you are establishing new turf, incorporate the entire recommended amount of lime into the soil before seeding or sodding. If you are maintaining established turf, and if the recommendation calls for less than 1 ton of lime per acre, apply the entire amount any

time the ground is not frozen. If the recommendation is for more than 1 ton of lime, apply in several applications of up to 1 ton each, at intervals of 1 to 6 months until the full amount is applied. Applying more than 1 ton per acre at any one time may cause a visible residue to remain on the turf for a prolonged period. Pellitized lime is an alternative to ground agricultural lime for established turf.

NITROGEN FERTILIZATION

**Table 1.
Fairways and Large Industrial Lawns**

Kentucky Bluegrass and Other Cool Season Grasses	Bermudagrass
Actual N* When to Apply lbs./A	Actual N* When to Apply lbs./A
September 40 - 60	April 40 - 60
Oct. 15-Nov. 15 60	May 15-June 40 - 60
June«« 20 - 40	July 15-Aug. 10 40««

««Apply only if needed for adequate growth and color.

* No more than 40 lbs/A should be applied from soluble N sources.

**Table 2.
Athletic Fields**

Kentucky Bluegrass, Tall Fescue, Perennial Ryegrass	Bermudagrass«
Actual N* When to Apply lbs./A	Actual N* When to Apply lbs./A
August 40 - 60	April 40 - 60
Sept. - Oct. 40 - 60	May 15-June 40 - 60
Nov. - Dec. 40 - 60	August«« 30 - 40
May 20 - June«« 0 - 30	If overseeded Oct-Nov 30 - 40

« Additional N applications at similar rates may be made in May and July if turf growth and color indicate a need. Unless the bermudagrass is overseeded with a cool season grass, N fertilization should be avoided after August. For overseeded bermudagrass, apply an additional 30-40 lbs. N/A in late October or November after the overseeding has germinated.

«« Apply only if needed for adequate growth and color.

* No more than 40 lbs/A should be applied from soluble sources. Rates above 40lbs N/A should be from slowly available nitrogen.

**Table 3.
Kentucky Bluegrass and
Tall Fescue Sod Production**

When to Apply	Actual N* lbs./A
At Seeding	40 - 100
In Seeding Year:	
Nov. 15 - Dec.	0 - 60**
First Year:	
April 1-June 15	20-40
Aug. 15 - Oct. 1	40 - 60
Nov. 1 - Dec. 1	40 - 60
Second Year:	20 - 30
	as needed

«« If 50 lbs. of N is used at seeding, apply additional N in late November or December.

* Apply no more than 40 lbs/A from soluble N sources at any one application to protect water quality.