

MAINTAIN ATHLETIC FIELD Crop Code:2004

Standard Message:

There is no reliable test for evaluating the amount of actual nitrogen (N) in soils that is available to turfgrasses over the growing season. The above N recommendation is the amount of actual N that needs to be supplied annually to ensure good turf growth. The amount of N recommended on this soil test report should be divided into 2 to 4 applications per growing season. If the N recommendation is provided as a range, use amounts in the high range for turf growing in poor soils, in high traffic areas, or where mower clippings are removed from the site.

If your soil test report contains a recommendation for phosphate and/or potash, you can use a complete fertilizer (a fertilizer containing N, phosphate, and potash) to meet recommended amounts of N, phosphate and/or potash. Split complete fertilizer applications into 2 to 4 applications per growing season until you meet recommendation or until you take another soil test. Alternatively, you can apply super phosphates (0-46-0 or 0-23-0) to meet phosphate recommendation, but do not exceed 5 lb. phosphate/1000 square feet per application. Similarly, you can apply sulfate of potash (0-0-50) or muriate of potash (0-0-60) to meet potash recommendation. Do not exceed 2 lb. potash/1000 square feet per application.

The best times of year to fertilize turfgrasses in Pennsylvania are late summer (September), late fall (November), and mid to late spring (April or May).

Lime Recommendation: See Table 1 for lime recommendations based on pH goal

Grass Species	pH Goal
Annual Bluegrass	6.5
Bentgrass	6.5
Fine Fescues	6.5
Kentucky Bluegrass	6.5
Perennial Ryegrass	6.5
Tall Fescue	6.5

Nitrogen Recommendation (lb/1000 sq ft):

Grass Species	lb/1000 sq ft
Annual Bluegrass	3-4
Bentgrass	3-4
Bermuda	2-3
Fine Fescues	3
Kentucky Bluegrass	3-5
Perennial Ryegrass	3-5
Tall Fescue	3
Zoysiagrass	2-3

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Phosphorus Recommendation (lb P₂O₅/1000 sq ft):

(Optimum soil test P: 45 -75 ppm)

Soil test P (ppm)	P ₂ O ₅ lb/1000 sq ft
0	5.0
5	4.5
10	4.0
15	3.5
20	3.0
25	2.5
30	2.0
35	1.5
40	1.0
45	0

Potassium Recommendation (lb K₂O/1000 sq ft):

(Optimum soil test K: 180 - 220 ppm)

Soil test K (ppm)	K ₂ O lb/1000 sq ft
0	5
10	5
20	5
30	5
40	5
50	4
60	4
70	3
80	3
90	3
100	2
110	2
120	2
130	2
140	1
150	1
160	1
170	1
180	0