

HOME LAWN-MAINTAIN Crop Code:2001

Specific recommendations for nitrogen, phosphorus and potassium for maintaining home lawn follow.
For a simple but more generalized fertilizer program see next page.

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

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

Nitrogen Recommendation (lb N/1000 sq ft):

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

Phosphorus Recommendation (lb P₂O₅/1000 sq ft):

(Optimum soil test P: 45 - 75ppm)

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

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For a simple fertilizer program that will provide adequate quantities of nitrogen, phosphate and potash to turf based, one of the fertilizers listed below may be applied at the rates specified three times during the growing season for a three-year period. The fertilizer should be selected based on the soil test P and K levels. Apply the fertilizer once in mid-spring (May), once in late summer (September), and once in the late fall (November) each year. If you can not find any of the fertilizers listed below, select a fertilizer with an analysis close to one of those listed.

A. Low P and low K

Soil Test P: Less than 40 ppm P on soil test report

Soil Test K: Less than 90 ppm K on soil test report

Fertilizer*	lb/1000 sq ft
24-5-10	4.0
18-6-6	5.5
13-13-13	7.5
10-10-10	10.0
10-6-4	10.0
10-5-5	10.0
9-4-4	11.0
8-4-4	12.5
7-5-5	14.0

*Select one and apply 3 times during the growing season

B. Low P and optimum or above optimum K

Soil Test P: Less than 40 ppm P on soil test report

Soil Test K: Greater or equal to 90 ppm K on soil test report

Fertilizer*	lb/1000 sq ft
20-27-5	5.0
18-25-6	5.5
18-24-12	5.5
17-23-6	5.75
16-21-4	6.25
16-12-4	6.25
11-25-11	9.0
10-23-10	10.0

*Select one and apply 3 times during the growing season

C. Optimum or above optimum P and low K

Soil Test P: Greater or equal to 40 ppm P on soil test report

Soil Test K: Less than 90 ppm K on soil test report

Fertilizer*	lb/1000 sq ft
32-4-10	3.0
33-3-10	3.0
30-3-10	3.33
30-6-12	3.33
29-3-4	3.5
28-5-11	3.5
24-6-12	4.0
22-3-11	4.5
21-7-14	4.5
16-4-8	6.25
15-2-5	6.5
14-3-6	7.25
11-2-4	9.0
9-2-4	11.0

*Select one and apply 3 times during the growing season

D. Optimum or above optimum P and K

Soil Test P: Greater or equal to 40 ppm P on soil test report

Soil Test K: Greater or equal to 90 ppm K on soil test report

Fertilizer*	lb/1000 sq ft
33-3-4	2.75
34-3-3	3.0
31-0-0	3.25
30-3-3	3.25
32-3-10	3.33
28-6-6	3.5
27-3-8	3.7
27-5-12	3.75
27-2-11	3.75
26-2-6	3.75
26-3-3	3.75
25-4-4	4.0
21-5-7	4.8
20-0-0	5.0

*Select one and apply 3 times during the growing season