

ATHLETIC FIELD-TO PLANT Crop Code: 2104

Standard Message:

The above recommendations are for a new establishment that will be tilled 4 to 6 inches in depth prior to planting. In some cases, turfgrass seed is planted into soils that have not been tilled. In such cases, incorporating large amounts of lime, fertilizer, and organic matter into soil 4 to 6 inches in depth is not possible. When planting into soils that have not been tilled, do not exceed 100 lb lime/1000 square feet; 5 lb P₂O₅/1000 square feet; or 2.0 lb K₂O/1000 square feet. Do not apply organic matter unless a core aerator is used to incorporate into the soil surface. If attempting to incorporate organic matter with a core aerator, apply 1/4 to 1/2 inch of organic matter to the turf/soil surface and make 8 to 10 passes with the aerator.

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

Organic Matter Recommendation:

Organic Matter Result	Recommendation (cu yard / 1000 sq feet)
< 2 %	3
2.1-3.0 %	2
> 3 %	0

Starter Fertilizer:

Apply a starter fertilizer just prior to seeding and work lightly into the soil.

Apply a starter fertilizer at approximate rate of 1 lb of nitrogen per 1000 square feet, 0.5 to 1.0 lb of P₂O₅ per 1000 square feet, and 0.5 to 1.0 lb of K₂O per 1000 square feet using a fertilizer with approximate 1:1:1 or 2:1:1 ratio of N:P₂O₅:K₂O.

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Phosphorus Recommendation (lb P₂O₅/1000 sq ft):

(Optimum soil test P: 75 - 110 ppm)

Soil test P (ppm)	P ₂ O ₅ lb/1000 sq ft
0	11
5	11
10	11
15	11
20	11
25	9
30	9
35	8
40	8
45	7
50	7
55	5
60	5
65	5
70	5
75	0

Potassium Recommendation (lb K₂O/1000 sq ft)*:

(Optimum soil test K: 140 - 200 ppm)

Soil test K (ppm)	K ₂ O lb/1000 sq ft
0	6
10	6
20	6
30	6
40	6
50	5
60	5
70	4
80	4
90	4
100	3
110	3
120	3
130	3
140	0