

GOLF TEE-TO PLANT Crop Code: 2108

Standard Message:

The above recommendations are for a new establishment in which amendments will be mixed into the root-zone mix offsite or tilled 4 to 6 inches in depth into the mix after it has been installed.

The organic matter recommendation, if any, is designed to increase the organic matter content of the root-zone mix to 3 % on a weight basis. The amount and type of organic amendment will influence important physical properties of your root zone mix. It is recommended that you test a sample of the amended root zone mix for soil physical properties (e.g. percolation, bulk density, porosity) to determine suitability for tees.

In some cases, turfgrass seed is planted into established greens 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 established golf tee that has not been tilled, do not exceed 25 lbs lime/1000 square feet; 2.5 lb phosphate/1000 square feet; or 1.0 lb potash/1000 square feet.

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 0.5 to 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) | P2O5 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: 180 - 220 ppm)

| Soil test K (ppm) | K2O 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 |

*Note: When CEC < 5.0, K2O recommendation is reduced by one half.