

Bentgrass Golf Greens (Code #061)

Soil Test Rating <i>All Soils</i>	Potassium			
	Low K 0-150 lbs/A	Medium K 151-250 lbs/A	High K 251-450 lbs/A	Very High K 450+ lbs/A
Phosphorus	<i>Recommended Pounds N-P₂O₅-K₂O per 1000 square feet (See Comments)</i>			
Low P 0-50 lbs/A	6-3-6 (082)	6-3-4 (083)	6-3-2 (084)	6-3-0 (085)
Medium P 51-100 lbs/A	6-2-6 (086)	6-2-4 (087)	6-2-2 (088)	6-2-0 (089)
High P 101-200 lbs/A	6-0-6 (090)	6-0-4 (091)	6-0-2 (092)	6-0-0 (093)
Very High P 200+ lbs/A	6-0-6 (090)	6-0-4 (091)	6-0-2 (092)	6-0-0 (093)

Recommendations:

Recommended pH:	6.0 to 6.5. If the pH is less than 6.0, see Lime Table B and the soil depth adjustment table that immediately follows the lime tables.								
Nitrogen:	4-12 pounds nitrogen (N) per 1000 square feet. Rate will depend on number of growing months and soil texture.								
Magnesium:	If soil test Mg level is low and lime is recommended, use dolomitic limestone. <table border="1" style="margin-left: 40px; margin-top: 10px;"> <tr> <td style="width: 15%;">Coastal Plain</td> <td style="width: 20%;">Low: 0 - 30 lbs/acre</td> <td style="width: 20%;">Medium: 31 - 60 lbs/acre</td> <td style="width: 20%;">High: >60 lbs/acre</td> </tr> <tr> <td>Piedmont</td> <td>Low: 0 - 60 lbs/acre</td> <td>Medium: 61 - 120 lbs/acre</td> <td>High: >120 lbs/acre</td> </tr> </table>	Coastal Plain	Low: 0 - 30 lbs/acre	Medium: 31 - 60 lbs/acre	High: >60 lbs/acre	Piedmont	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre
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Piedmont	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre						

Comments:

For established greens, apply up to 10 pounds limestone per 1000 square feet during the growing season and up to 20 pounds if dormant with a frequency of about every 4-6 months until the total limestone recommendation is reached.

082. Per 1000 square feet, apply 6 pounds of nitrogen (N), 3 pounds of phosphate (P₂O₅), and 6 pounds of potash (K₂O) for the year. Apply 1 pound of nitrogen, phosphate, and potash in February, September, and November. Apply 1 pound of nitrogen and potash in May, October, and December. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
083. Per 1000 square feet, apply 6 pounds of nitrogen (N), 3 pounds of phosphate (P₂O₅), and 4 pounds of potash (K₂O) for the year. Apply 1 pound of nitrogen, phosphate, and potash in February, September, and November. Apply 1 pound of nitrogen in October and December. Apply 1 pound of nitrogen and potash in May. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.

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084. Per 1000 square feet, apply 6 pounds of nitrogen (N), 3 pounds of phosphate (P_2O_5) and 2 pounds of potash (K_2O) for the year. Apply 1 pound of nitrogen, phosphate, and potash in February and November. Apply 1 pound of phosphate in October. Apply 1 pound of nitrogen in May, September, October, and December. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
085. Per 1000 square feet, apply 6 pounds of nitrogen (N) and 3 pounds of phosphate (P_2O_5) for the year. Apply 1 pound of nitrogen in February, May, September, October, November, and December. Apply 1½ pounds of phosphate in February and November. Additional nitrogen and potash (K_2O) may be required on sand or very coarse-textured greens to maintain desired growth rate.
086. Per 1000 square feet, apply 6 pounds of nitrogen (N), 2 pounds of phosphate (P_2O_5), and 6 pounds of potash (K_2O) for the year. Apply 1 pound of nitrogen, phosphate, and potash in February and November. Apply 1 pound of nitrogen and potash in May, September, October, and December. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
087. Per 1000 square feet, apply 6 pounds of nitrogen (N), 2 pounds of phosphate (P_2O_5), and 4 pounds of potash (K_2O) for the year. Apply 1 pound of nitrogen, 1/3 pound of phosphate, and 2/3 pound of potash in February, May, September, October, November and December. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
088. Per 1000 square feet, apply 6 pounds of nitrogen (N), 2 pounds of phosphate (P_2O_5), and 2 pounds of potash (K_2O) for the year. Apply 1 pound of nitrogen, phosphate, and potash in May and December. Apply 1 pound of nitrogen in February, September, October, and November. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
089. Per 1000 square feet, apply 6 pounds of nitrogen (N) and 2 pounds of phosphate (P_2O_5) for the year. Apply 1 pound of nitrogen in February, May, September, October, November, and December. Apply 1 pound of phosphate in February and November. Additional nitrogen and potash (K_2O) may be required on sand or very coarse-textured greens to maintain desired growth rate.
090. Per 1000 square feet, apply 6 pounds of nitrogen (N) and potash (K_2O) for the year. Apply 1 pound of nitrogen and potash in February, May, September, October, November, and December. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
091. Per 1000 square feet, apply 6 pounds of nitrogen (N) and 4 pounds of potash (K_2O) for the year. Apply 1 pound of nitrogen and potash in February, May, September and December. Apply 1 pound of nitrogen in October and November. Additional nitrogen and potash may be required on sand or on very coarse-textured greens to maintain desired growth rate.
092. Per 1000 square feet, apply 6 pounds of nitrogen (N) and 2 pounds of potash (K_2O) for the year. Apply 1 pound of nitrogen and potash in May and September. Apply 1 pound of nitrogen in February, October, November, and December. Additional nitrogen and potash may be required on sand or very coarse-textured greens to maintain desired growth rate.
093. Per 1000 square feet, apply 6 pounds of nitrogen (N) for the year. Apply 1 pound of nitrogen in February, May, September, October, November, and December. Additional nitrogen and potash (K_2O) may be required for sand or for very coarse-textured greens to maintain desired growth rate.

Fact Sheet:

The source of nitrogen can affect the rate and time which nitrogen is applied. Fast release sources of nitrogen can be applied at anytime. However, if applied during the summer the rate should not exceed 1/2 pound per 1000 square feet; if applied in the fall or spring the rate should not exceed 1 pound per 1000 square feet. Exercise caution in the use of fast release nitrogen sources on established putting greens due to the danger of foliar burn. When applying, spread uniformly and always water in thoroughly immediately following application.

If slow release nitrogen sources are used, adjust nitrogen rates based on the release properties of the material. Excess nitrogen present during the summer will lead to excessive bentgrass stress.

Suggested summer maintenance fertilization program:

If water soluble nitrogen materials are used as the source of nitrogen, application of 1/4 to 1/2 pound nitrogen (N) per 1000 square feet per month during the summer can be beneficial to bentgrass. However, if water insoluble (WIN) sources of nitrogen make up half of the total nitrogen applied for the year reduce the application to 0 to 1/4 pound nitrogen per 1000 square feet per month during the summer.

On sand greens testing low in potassium(K), application of 1/2 pound of potash (K₂O) per 1000 square feet per month during the summer may be beneficial.