BERMUDA TURFGRASS RESPONSE TO BENZYLADENINE AND PHOSPHORUS FERTILIZATION

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Experiments were conducted to determine the effects of benzyladenine (BA) and phosphorus (P\textsubscript{2}O\textsubscript{5}) fertilization rates on Bermuda turfgrass (BTG) growing on an ultisol. BA (0, 10, 20, 30 mg L\textsuperscript{-1}) and P\textsubscript{2}O\textsubscript{5} (0.5, 1.0, 1.5, 2.0 kg 100 m\textsuperscript{-2} year\textsuperscript{-1}) were applied every three months. BTG growth, color and density were determined every 15 days for 12 months. Increasing BA and P\textsubscript{2}O\textsubscript{5} rates tended to improve BTG growth, color and density, enhancing BTG visual quality, especially during the summer months (average daytime temperatures ~29 C).