

BERMUDA TURFGRASS RESPONSE TO BENZYLADENINE AND  
PHOSPHORUS FERTILIZATION

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Experiments were conducted to determine the effects of benzyladenine (BA) and phosphorus ( $P_2O_5$ ) fertilization rates on Bermuda turfgrass (BTG) growing on an ultisol. BA (0, 10, 20, 30  $mg \cdot L^{-1}$ ) and  $P_2O_5$  (0.5, 1.0, 1.5, 2.0  $kg \cdot 100 m^{-2} \cdot year^{-1}$ ) were applied every three months. BTG growth, color and density were determined every 15 days for 12 months. Increasing BA and  $P_2O_5$  rates tended to improve BTG growth, color and density, enhancing BTG visual quality, especially during the summer months (average daytime temperatures  $\sim 29$  C).