

A MICROPROCESSOR FOR PREDICTING ANTHRACNOSE ON ANNUAL BLUEGRASS

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A model for predicting anthracnose on annual bluegrass was developed from environmental data gathered during 1980 and 1981. The model was based on an average daily temperature ($^{\circ}\text{C}$) and hours of leaf wetness. In 1982, the model was field tested and correctly predicted infection periods 90% of the time.

Currently, we have programmed our model into a microprocessor (Reuter-Stokes, 18530 South Miles Parkway, Cleveland, Ohio 44128) with hopes that the model can be used more readily by turf managers. The microprocessor reports four levels of infection severity - none, low, moderate, and high, based on environmental factors. So far this year, prediction of Anthracnose severity has been excellent.