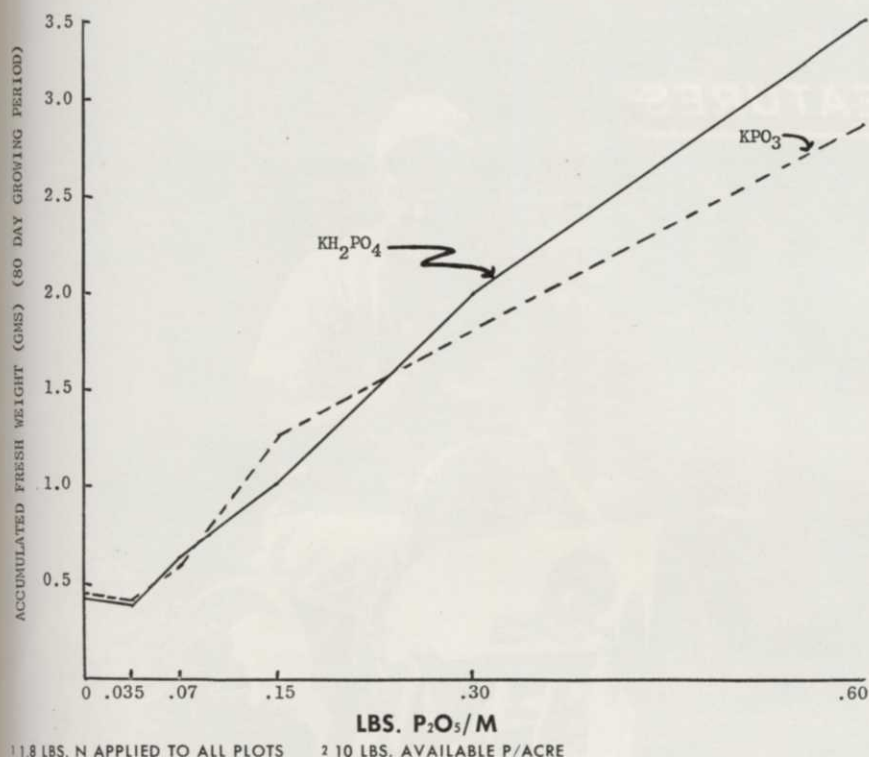


Figure 2. Phosphorus Uptake and Leaf Tissue Fresh Weight of Bluegrass As Influenced by Various Rates and Sources of Phosphorus.<sup>1,2</sup>



tion. Later growth was not notably affected.

In conclusion, these studies indicate the optimum level of available P<sub>2</sub>O<sub>5</sub> for the development of healthy, vigorous Kentucky bluegrass. Even on soils with relatively high amounts of available phosphorus, a positive growth response occurs when additional phosphorus is applied, and a sturdier stand of bluegrass may be obtained.

### Fungus Can Kill Maple Leaf Tissue

Anthraxnose, a fungus that kills leaf tissue on maple and other hardwood trees, has been detected in Minnesota, says Joe Vargas, University of Minnesota research assistant in plant pathology.

Dark spots—large, small, circular or irregular—or dead areas on leaves may indicate fungus injury. On sugar maples, anthraxnose is detected by large green-brown or red-brown areas along leaf veins. Affected Nor-

way maples display purple to brown diseased tissue along leaf veins. On Japanese maples, the leaf often becomes blackened and shriveled.

Vargas says anthraxnose spreads rapidly after rains. While the disease does not always seriously damage a tree, it does mar its appearance. Anthraxnose can also defoliate and weaken trees, making them more susceptible to winter injury.

Vargas recommends zineb, captan, and some mercurial compounds for control of the disease. The first spraying should be in the spring when leaves begin to unfold, the second 2 weeks later. In case of an unusually wet year, trees should be sprayed again in summer. Fertilizer used as a supplementary measure will improve the vigor of trees weakened by repeated anthraxnose attacks.

For more information, ask your local county agent for U. S. Dept. of Agriculture Home and Garden Bulletin No. 81.

## Meeting Dates



**Symposium and Field Trip, Spring Dead Spot of Bermuda,** University of Georgia, Tour begins at Capitol City Country Club, Atlanta, Ga., then to University at Athens at 8:00 p.m., June 11.

**Turfgrass Sprinkler Irrigation Conference,** University of California Extension Conference Center, Lake Arrowhead, Calif., June 21-23.

**Purdue-Michigan State Weed Day,** Purdue University Agronomy Farm, Lafayette, Ind., June 25.

**Tri-County Chapter, California Landscape Contractors' Association,** 17th Annual Convention, Ojai Valley Inn and Country Club, Ojai, Calif., June 25-29.

**Landscape Seminar, Associated Landscape Contractors of America, Inc.,** for Michigan and Ohio, Dearborn Inn, Dearborn, Mich., July 13.

**American Association of Nurserymen, Annual Convention and Trade Show,** Chase-Park Plaza Hotel, St. Louis, Mo., July 13-17.

**Georgia Seedsmen's Association, Annual Convention,** Stuckey's Carriage Inn, Jekyll Island, Ga., July 14-15.

**National Fertilizer Solutions Association, 1968 NFSA Round-Up,** Regency Hyatt House, Atlanta, Ga., July 25-26.

**Lawn and Utility Turf Growers Field Day,** Rutgers University, College of Agriculture and Environmental Science Campus, New Brunswick, N. J., July 30.

**Golf and Fine Turf Growers Field Day,** Rutgers University, College of Agriculture and Environmental Science Campus, New Brunswick, N. J., July 31.

**Indiana Association of Nurserymen, Summer Meeting,** Imperial House Motel, Columbus, Ind., Aug. 7-8.

**Midwestern Nurserymen's Summer Meeting,** Zelenka Evergreen Nursery, Grand Haven, Mich., August 13-14.

**1968 Turfgrass Field Day,** Pennsylvania State University, Joseph Valentine Turfgrass Research Center, Campus, noon August 21-noon August 22.

**Hawaii 4th Annual Turfgrass Management Conference,** Punahou School Campus, Honolulu, Hawaii, August 21-24.