

# With 27 field-proven formulas we may have more solutions than you have problems.

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## BANOL TURF FUNGICIDE NOW AVAILABLE TO COMBAT PYTHIUM BLIGHT ON TURF

Banol Turf Fungicide, which showed highly effective Pythium blight control when tested on turfgrass, is now available for professional use on golf courses and lawns as the result of an EPA approved Experimental Use Permit (EUP).

Marketed by TUCO Agricultural Chemicals, Division of the Upjohn Company, Banol turf fungicide is a water soluble liquid concentrate with Propamocarb hydrochloride as its active ingredient.

Approved label use includes application of 1.3 to 4 oz. of Banol in 2-5 gal. of water per 1,000 sq. ft. as a preventive treatment when weather conditions favor development of Pythium blight. A repeat application may be made in 7-21 days if weather conditions remain favorable for disease development.

According to researchers, disease development appears most favorable when the maximum daily temperature is 86°F. or higher followed by 15 or more consecutive hours with relative humidity at 90% and above while temperature remains 68°F. or warmer.

Laboratory and field research indicate that Banol provides long residual protection against this turfgrass disease, which can damage turfgrass within 24 hours with these environmental conditions.

A university test showed that Banol, when applied to turfgrass 14 days prior to inoculation with *Pythium aphanidermatum*, provided better than 95% control when applied at

2 oz. of active ingredient per 1,000 sq. ft. and provided complete control when applied at 4 oz. of active ingredient per 1,000 sq. ft.

In another university test, turfgrass was inoculated with Pythium 21 days after treatment with Banol at 1.875 and 3.75 oz. of active ingredients per 1,000 sq. ft. Plots rated seven days later were found to be relatively free of Pythium blight when compared to control plots and those treated with another Pythium fungicide. Both studies involved treatment under artificially high temperature and humidity conditions which favor fungi growth.

Laboratory tests at two universities also confirmed that rainfall immediately after treatment had little or no effect on Banol's efficacy. In addition, tests indicate that when applied at proper rates Banol has no phytotoxicity on most turfgrass varieties.

The approved EUP allows use of Banol in Alabama, Arizona, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Maryland, Massachusetts, Michigan, Missouri, Nebraska, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, West Virginia and Wisconsin.

**Upjohn Company**

The guest speaker for the Midwest Supt. meeting at Silver Lakes Golf Club on March 15, 1983 will be Dick Lancioni, PGA Golf Professional at Green Acres Country Club, Northbrook, IL.