

# SOIL-PLUS Eradicates Fairy Ring (Pennsylvania) USA

**BIOFEED SOLUTIONS, INC. Field Study # TG-3 "The next generation of probiotic technology"**

## **ABSTRACT**

BioFeed SOIL-PLUS™ was applied to turf grass infected with a strain of fairy ring that was exhibiting extreme resistance to the only fungicide that was labeled for use in controlling the disease in 1999.

## **BACKGROUND**

Sewlickly Heights Country Club experienced an out-break of Fairy Ring (agaricales or gastromycetales) that was destroying the turf on more that nine greens and fairways.

A USGA turf consultant had earlier recommended the application of ProStar, which is the only fungicide labeled for treatment of Fairy Ring on golf greens. Following two applications of ProStar during a 14-day period, the infected areas had increased in size and the course was in jeopardy of loosing the turf and greens on nine of eighteen holes. SOIL-PLUS™ had been recommended on the outset but was not selected due to the USGA's recommendation. In desperation and with no other chemical fungicide option available, the superintendent needed to find a solution to a problem that was increasing very rapidly.

## **APPLICATION**

- Infected areas of turf and greens were treated with SOIL-PLUS™ at a rate of 1.5 gallons per acre diluted with water.
- A follow-up treatment of 1 gallon of SOIL-PLUS™ per acre was made 14 days after the initial application to aid in promoting re-growth of the turf in the damaged areas.

## **RESULTS**

Within eighteen days of the application, ALL areas infected with Fairy Ring showed no evidence of active disease and the turf was beginning to grow back in the previously infected areas.

Twenty-eight days after the first application, more than 70% of the areas infected with Fairy Ring had completely recovered.

*Dedicated to preserving our environment by renewing the life in our soils and water.*