Golf course superintendents often apply wetting agents on putting greens to help manage localized dry spots (LDS). There is limited information available to a superintendent that compares the performance of commonly used wetting agents to manage localized dry spots.

The Golf Course Superintendents Association of America (GCSAA), through funding provided by GCSAA’s Environmental Institute for Golf and the United States Golf Association (USGA), is coordinating an evaluation of wetting agents that are frequently used on golf courses. The goal of the wetting agent evaluation is to provide golf course superintendents with unbiased information regarding selected wetting agents so they can make informed use and purchasing decisions.

The specific objective of the evaluation is to determine the effectiveness of several wetting agents to control localized dry spots on putting greens. To meet this objective, ten wetting agents most commonly used by superintendents and an untreated control are being evaluated at nine sites across the United States. All ten products are being applied at the highest label rate for control/management of localized dry spot.

Wetting agents are being evaluated over a four-month period of time when stress from LDS is at its peak at that particular evaluation site. Data to be collected on a regular basis includes turf color, turf quality, phytoxicity, and degree of soil hydrophobicity.

Soil hydrophobicity is determined using the water droplet penetration test. Soil cores are removed from the plots at prescribed intervals and water droplet penetration time is measured at six depths below the soil surface and recorded. The evaluation is being conducted in 2003 and 2004.

Creeping bentgrass greens in the evaluation are mowed at a maximum height of 0.140 inch at least six days per week and bermudagrass greens in the evaluation are mowed at a maximum height of 0.156 inch at least six days per week. Cultivation that penetrates the soil surface is not allowed during the evaluation period. All other maintenance practices necessary to produce a high quality putting green are permitted and must be recorded.

Prior to the initiation of the Wetting Agent Evaluation, it was agreed that in fairness to all products being evaluated, no preliminary results would be published. Final results will be published in early 2005. Data from all sites will be published along with a complete record of maintenance practices for that site. No recommendations will be made.

Superintendents and other interested people can review the data for the site that most closely approximates their golf course to make sound wetting agent use and purchasing decisions.

**Objectives:**

1. To determine the effectiveness of several wetting agents to control localized dry spots on putting greens.

**Summary Points**

- Ten wetting agents most commonly used by superintendents and an untreated control are being evaluated at nine sites across the United States. All ten products are being applied at the highest label rate for control/management of localized dry spot.
- Wetting agents are being evaluated over a four-month period of time when stress from LDS is at its peak at that particular evaluation site. Data to be collected on a regular basis includes turf color, turf quality, phytoxicity, and degree of soil hydrophobicity.
- Final results will be published in early 2005. Data from all sites will be published along with a complete record of maintenance practices for that site.