



Photo by C. Bigelow

Erosion potential of various bunker sands

Sand bunkers are principal golf course features. They often require substantial maintenance, particularly when sand is on severe slopes and subjected to heavy rainfall. Very little information is available on the erosion potential of sands for bunkers. A controlled environment study was conducted at the USDA National Soil Erosion lab to determine sand loss from four widely used bunker sands installed at four slope angles (7.5, 15, 25 and 40 degrees). The influence of geotextile fabric underlayments also was evaluated at the 40-degree angle. Sands were installed in stainless steel trays and subjected to 4 inches (10.2 centimeters) per hour simulated rainfall. Sands with a higher angle of repose experienced less erosion, and geotextile fabrics reduced erosion. However, there was significant sand migration into the fabrics following the short simulation. More research is necessary before recommendations can be made regarding the use of sand physical properties to predict erosion in sand bunkers. — **Jared Nemitz, Adam Moeller and Cale Bigelow, Ph.D.** (cbigelow@purdue.edu), Purdue University

One Search — A simple way to search for Extension publications

One of the roles of a school or college of agriculture at a land-grant institution is to disseminate the latest information on a wide variety of topics that are important to the citizens of

that state. Written Extension bulletins have long been used to make information available to both professionals and citizens. Searching for the information state-by-state is slow and laborious. Now, a single site (<http://search.extension.org/>) provides access to information about turfgrass, ornamentals and many other topics from more than 750 Cooperative Extension System sites at land-grant institutions.

Selective bermudagrass control in cool-season turfgrass

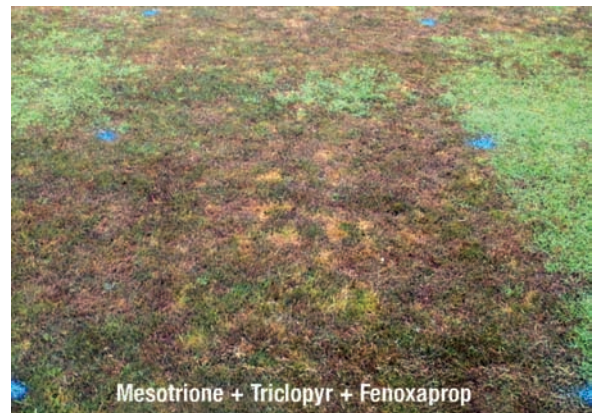


Photo by J. Willis

Bermudagrass is an aggressive and persistent weed that is difficult to control selectively in cool-season turfgrass stands. Sequential applications of Tenacity (mesotrione) control nimblewill in cool-season turfgrass and may be effective for selective bermudagrass control in cool-season turfgrass. Two years of field research were conducted in stands of cool-season turfgrass in Blacksburg, Va., to evaluate the effectiveness of several herbicide combinations to selectively control bermudagrass. All possible combinations of Acclaim (fenoxaprop-P), Turflon Ester (triclopyr) and Tenacity were applied two or three times in both spring and fall. Three applications of all herbicide treatments were more effective at controlling bermudagrass than two applications. Several herbicide treatments reduced bermudagrass cover more than 90%. These results indicate that selective control of bermudagrass in cool-season turf is possible with sequential herbicide treatments. — **John Willis and Shawn Askew, Ph.D.** (saskew@vt.edu), Virginia Tech University



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