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Start Your Own Environmental Compliance Checklist (Part 1)

By Robert D. Ochs General Counsel

The tasks and complexities required for today's regulatory compliance may seem overwhelming to a golf course superintendent. There are no fast or easy ways to accomplish complete compliance. But developing a self-help checklist can help you sort out your responsibilities as a professional golf course manager.

The following suggestions and questions could serve as one part of the regulatory assessment that you conduct at your golf course facility on a periodic basis.

Pesticides

Do you have a current copy of state FIFRA regulations? FIFRA is a federal law, but because it is enforced by the states, each state is significantly different. If you don't have copy of the most recent state pesticide regulations, please contact your state pesticide control official. Many states are adding significant changes to pesticide regulations. It is important to update yourself on a regular basis.

Do you have a complete inventory of chemical products with the amounts on hand listed? The Hazard Communication Standard requires you to list all hazardous chemicals, including pesticides.

It is also important to keep track of amounts of unused pesticides on hand. Part of any superintendent's job is to keep the amount of chemical wastes or unused pesticides to a minimum. If you have pesticides that will not be used, you should make immediate plans to properly dispose of them. Most states have hazardous waste filing requirements for facilities that store as little as 25kg (about 55 pounds) of waste products. To avoid complicated paperwork and associated costs you should keep your waste storage as close to zero as possible.

Even though your facility may not need to comply with community right-to-know regulations, your local fire marshal may ask you to file a list of chemicals with their department. They generally prefer lists with estimated quantities vs. material safety data sheets (MSDSs). Some, however, may require MSDS submission.

It is also a good idea to list regularly used chemicals that have re-entry requirements. This list will continuously remind applicators of such products to abide by these re-entry restrictions.

(Continued on Page 21)

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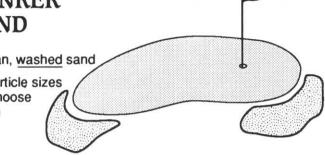
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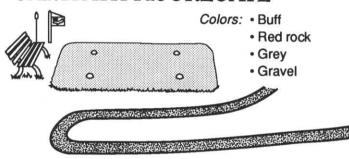
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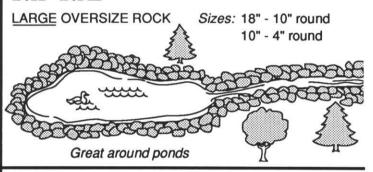
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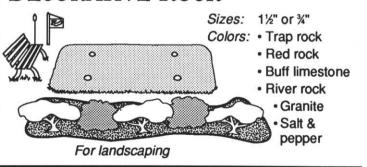


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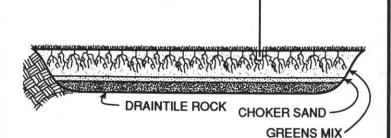


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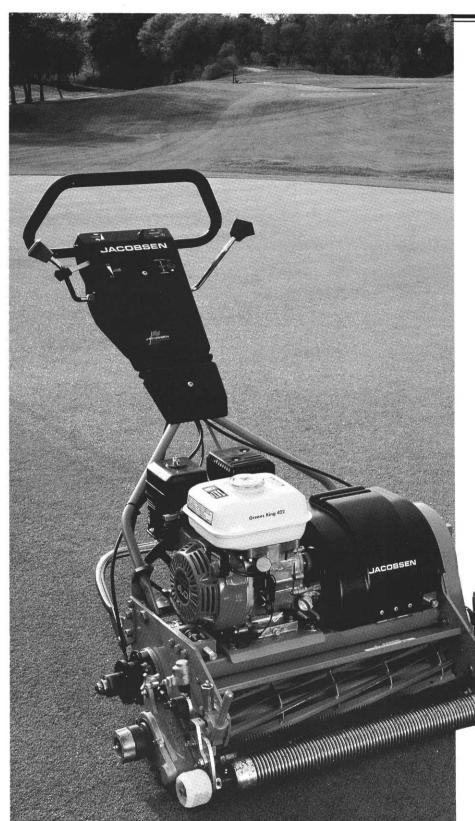


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Turf Grass Species Facts and Problems

By MARK G. GRUNDMAN Senior Turf Specialist Medalist America

More and more golf courses are following the trend toward lower fairway mowing heights or returning to higher BLUEGRASS contents in fairways.

With lower mowing heights, you reduce the choices for grasses that will survive in any given turf situation. For instance, at lower mowing heights, BENTGRASS should be the desired species because of its capability to survive at ½" or less. Which BENT to use will depend on the amount of traffic and maintenance programs.

RYEGRASS can be another another grass of consideration for not only lower mowed fairway situations, but as an intermediate grass mixed with BLUEGRASS for a multitude of potential problems. These problems could include lower to higher mowing heights, heavy wear, drought tolerance, rapid establishment and overall disease resistance. The major problem with this concept is the variation in color, texture and growth habits at different times of the year.

BLUEGRASS, on the other hand, can give you the optimum in a turf situation. Newer varieties are available that can be mowed as low as 5/8" for tournament play. With their overall disease resistance, insect resistance, quicker establishment rates, finer texture, better winter hardiness than any other turf species, and dark green color. However, they do have their problems with thatch development, some insect problems, limited disease susceptibility and limits to height of cut.

A concerted effort should be made by overseeding to even out turf areas with the proper grass species, and improve I.P.M. programs.

The concept of overseeding turf is nothing new, but with the advent of newer equipment and newer varieties — which are more aggressive, have better overall disease resistance, better uniformity, and better mowing qualities — the days of damaged or modeled turf are over for the most part. The way to ap-

proach this is through overseeding every fall or do split applications by seeding once in fall and possibly seeding again in spring (if needed). Many superintendents realize better turf and reduced maintenance budgets through incorporation of a set amount of dollars per year into their budgets for overseeding. This concept has proven itself time and time again in the fight against POA ANNUA. For instance POA ANNUA needs soil temperatures of 70 degrees for germination while most BLUES and RYES will germinate at 50 degrees or above. As a norm under iced situations. POA ANNUA will only survive for 30 days while most cool season grasses will survive for at least 90 days. During the summer months 104 degree leaf temperatures can create problems with POA ANNUA DECLINE. Recent studies suggest that POA ANNUA DECLINE, LEAF SPOT and ANTHRACNOSE all seem to work together to weaken turf.

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What Did You Think of the KARE-11 News Piece About Golf Courses and Pesticides?



PAUL DIEGNAU River Falls G.C.

"I welcomed the opportunity to comment on the KARE 11 television segments entitled "Up To Par?" I was appalled by the first segment that attempted to correlate golf course pesticide usage and breast cancer in women. The piece was filled with unsubstantiated claims

and was essentially void of fact. The second segment did accurately state that when properly used, pesticides pose little hazard to humans. Somehow this important revelation seemed lost in the golfer paranoia interviews conducted by reporter Susan Weise. To add insult to injury, golf course superintendents and the MGCSA received less than two minutes air time for both segments combined. It is this type of sensationalistic journalism that spawns the "chemophobics" and "toxic terrorists" that we, as golf course superintendents, must deal with now and in the

We, as professional turf managers, must band together to educate the public that turfgrass is a necessary and vital component of our environment and careful use of chemicals is O.K."

"The pesticide news story by Susan Weise was an attempt by the television station to show its viewers that it KARE's.

It brought forward an important issue to all golfers and golf course workers - is it safe to be on our golf courses and, if not, how can we make it safer? Because this is such an emotional issue with very little available knowledge, this report was by necessity - incomplete and disjointed. However, it did magnify our own inability to respond to the issue. We could add very little additional information to this issue as research simply has not fully addressed the pesticide safety issue.

Hopefully new proposed research projects by GCSAA will fill this void. This whole issue reminds us that we have to show the public that we CARE, too!"



GREG HUBBARD Manitou Ridge G.C.



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