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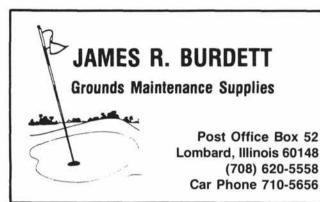
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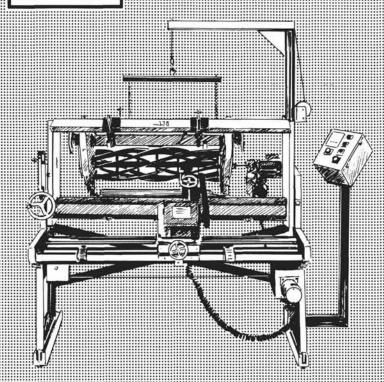
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Upcoming Events — Mark Your Calendar

February 5-12 — GCSAA Conference and Trade Show

February 10 — GCSAA Prayer Breakfast, 7:30 a.m. Riveria Hotel

February 27 — Environmental Seminar, Willowbrook Holiday Inn

March 19 — MAGCS Monthly meeting at Nordic Hills C.C.

March 21 — GCSAA clinic, "Pesticide Basics & Safety", Milwaukee

April — MAGCS monthly meeting at Village Links of Glen Ellyn

May - We need a place to meet

June 10 — MAGCS monthly meeting at Naperville C.C.

July - We need a place to meet

July 4-7 — Western Open at Dubsdred

August — MAGCS monthly meeting at Woodmar C.C.

September thru December — We need meeting places.

For Sale: 1986 Ransomes 213D w/vac, 1200 hrs. - \$3,000.00; 1988 LESCO 500 Fairway Mower, 1500 hrs. - \$4,500.00. Call Gary Galecki, Ridge C.C., (312) 233-8490.

For Sale: 1984 Toro Greensmaster Triplex and a 1985 Toro Greensmaster Triplex, both with 8 blade reels & 14 hp Kohler engines. Prices negotiable, call John Gurke at Aurora C.C., (708) 892-3600.

Superintendent's Position Open: Private 250 member CDGA club, 18 holes. Knowledge of grounds and equipment maintenance, personnel supervision and budgeting required. Salary and benefits negotiable upon experience. Send resumes to: Kishwaukee C.C., 1901 Sycamore Road, DeKalb, IL 60115.

Need an assistant? Call or write Mark F. Pincket, 237 Camelot Drive N.E., Port St. Lucie, FL 34983, phone (407) 340-3595. Mark has over 13 years in the golf business and is looking to relocate to the Chicago area.

For Sale or Trade: 2 Toro GM3 Triplexes; 4 Toro Series IV Walking Greensmowers; 1 Metermatic Topdresser. Call Bruce Williams or Rick Bowden at 432-0088.

Ed Stewart has moved and taken his retirement to his lake side home in Varna, Illinois. Write to Ed at: 228 Winter Haven Drive, Lake Wildwood, Varna, IL 61375.

For Sale: Used Foley Reel Grinder and an Ideal Bedknife Grinder. Call Steve Cummins at (708) 382-3252.

NECROLOGY

It is with a deep sense of loss that we announce the death of John A. Krueger. John was the long time superintendent of the old Golden Acre C.C. in Schaumburg and for many years a member of the MAGCS. John passed away on January 7, 1991.

Wanted: Front end loader; turf tractor with pto and 3 point hitch; 5 gang rough units and triplex greensmowers. Must be in good condition. Call Todd at 815/652-4244 or after 6 p.m. at 815/652-4413.

Wanted: Assistant Supt., Barrington Hills C.C., contact Mark Bobb, 708/381-0140.

Seeking an assistant? Call Don Houston, 708/946-9158. Qualifications include 2 yr. and 4 yr. degree as well as graduate experience in turf, over 4 seasons experience in the Chicago area. and Ill. Applicators License.

Assistant needed at the Twin Lakes Golf Course in Palatine, IL. Call Kevin Lotzer at 708/934-3006.

Seeking position as Asst. Superintendent. Must relocate. Over 13 years exp. in all facets of industry. Warm/Cool season background. Available for interview on short notice. Please contact: Mark Pincket, (407) 340-3595.



John Turner presenting Albie Staudt with the Illinois Turfgrass Foundation's Distinguished Service Award at the NCTE Seminar in Springfield.





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Superintendent's Best Friend

by Gordon Witteveen, Ontario, Canada

Early morning golfers are a Superintendent's best friends. They understand through firsthand observation all the effort and hard work required to create a finely manicured golf course. Early morning golfers get up with the birds, trod through the dew, play under sprinklers, putt on half-mown greens and tee off with the markers to the side. They put up with fertilizer spreaders on the fairways and chemical sprayers in the rough. They don't mind the buzz of rotary mowers or the whirr of greensmowers nor the clanging of aerifiers. Early morning golfers don't mind any of these deterrents because, besides their love for golf, they also enjoy the rising sun over the sparkling brook, reflections in still waters, the stealth of a scurrying rabbit and, occasionally, a bounding deer seeking shelter in a thicket.

There is a common bond between greens staff and early morning golfers: they share the knowledge that all this beautiful environment is theirs while the rest of the world toils in air conditioned offices, dank factories, or is still asleep under musty covers. This is the real joy of the early morning on the golf course: to be alive and to be surrounded by all this beauty.

The second group of golfers who come to the course in the morning are the ladies. With the husbands off to work and the kids on the way to school, the spouses and mothers head for the links to play their round of blind bogey, to beat the pro or to participate in the throw-out tourney. Although Ladies Day is officially on Tuesday, (Thursday would be better-less chance of rain, better conditioned golf course) in practice every day is ladies day with the exception of Saturday and Sunday when men's play dominates the schedule. Now, as we all know, ladies take their golf much more seriously and they are far less tolerant of maintenance equipment than the unorganized early morning golfers. Lately we have had some concerns expressed by the Ladies about the chemical drifts from sprayers as we treat the turf for weeds, fungus disease or insects. Spraying is generally done early in the morning to stay ahead of the golfers as much as possible and to apply the chemicals before it gets windy. Unfortunately, this is precisely the time when most Ladies play golf.

Picture a spray rig coming down the fairway, bellowing a great cloud of mist, with the strange looking operator dressed in disposable white overalls, rubber boots and gloves, goggles to cover his eyes and a respirator to protect his breathing. The average golfer quickly concludes that this is a dangerous place to be golfing in bermuda shorts and open necked shirts. It must be explained that exposure to chemicals, just like radiation at Chernobyl, is a matter of degree. The operator on the spray rig may be enveloped in a cloud of spray for most of eight hours and for several days at a time, whereas a golfer may only catch one or two whiffs during an entire round of golf. I venture to say that the air on golf courses, in spite of spray programs, is much less hazardous than the air in a smoke filled clubhouse grill. Last year 35,000 persons in Canada died from lung cancer, over 80% of it caused by either primary and secondary cigar or cigarette smoke. To the best of my knowledge, no deaths were reported as having been caused by either the drinking, eating or breathing of Killex, Daconil, Benomil, Round-up, or Diazinon, all common chemicals used regular on our turf. Just (cont'd. page 20)

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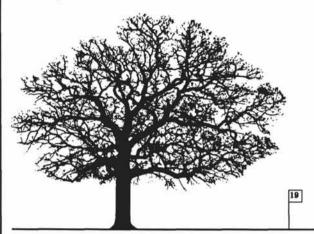
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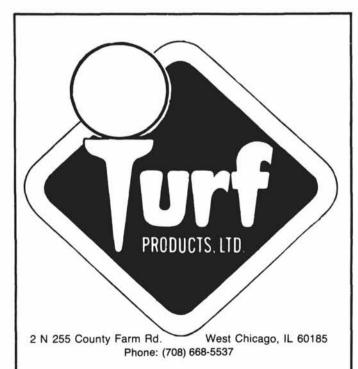
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Constructing an Inexpensive AG Chemical Rinse Pad

Simple, every-day solutions often exist to questions about proper agricultural (ag) chemical storage, mixing/loading and application. However, state and federal regulations are rapidly becoming more complex and restrictive, and more intricate solutions may be needed in the very near future to comply with changing surface and ground water protection requirements.

Faced with this prospect, many farmers and other ag chemical users are asking what they can do to be prepared for the new laws and regulations. Of course, no one has a crystal ball, but some areas of ag chemical use seem more vulnerable to change than others.

For example, ACRE has cautioned not to repeatedly load and rinse equipment in the same location and certainly not directly next to wells or surface water. Yet, it's a mistake commonly made, since that's where the water for mixing and rinsing is located. It is important to protect areas where loading or rinsing of sprayers and spreader equipment occurs.

What can golf supts. do? Golf supts. may want to construct a cement rinse pad to prevent inadvertently spilled ag chemicals from leaching into ground water or contaminating streams or ponds, and endangering the water that you, your family and neighbors drink. Designed properly, it can also serve as a secure ag chemical storage area and permit easy cleanup of spills incurred during ag chemical handling.

SIMPLE, EFFICIENT DESIGN:

There are many possible ways to design and build a cement rinse pad, but one we like was designed by Ronald T. Noyes, extension ag engineer at Oklahoma State University. His standardized, modular design



This sketch illustrates the type of ag chemical rinse pad/storage and containment facility you can build at home.

uses input from numerous engineers, researchers and regulators. A key feature is that it provides size flexibility, allowing golf supts. (as well as dealers) to scale the construction to their needs. Professor Noyes estimates construction costs for a 20x25 foot rinse pad, including professional labor, to be about \$900 to \$1300, excluding equipment such as sump pump and tanks.

Professor Noyes can provide detailed design specifications and cost information in his publication *Modular Farm-Sized Concrete Agricultural Chemical Handling Pads*. His address is: Cooperative Extension Service, 224 Ag Hall, Oklahoma State University, Stillwater, OK 74078.

The basic design for the Noyes' system guides the construction of a watertight, reinforced, concrete pad large enough to hold the largest application vehicle you use, plus containment areas dedicated to rinse-water storage tanks, mixing and loading equipment and for ag chemical storage.

The pad is sloped to the center and contains floor drains to sumps for easy cleanup. Steel-grated, shallow concrete collection (cont'd. page 18)



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(AG Rinse Pad cont'd.)

tion sumps serve as sediment settling basins and are designed to collect spills and rinse water for transfer to above-ground rinsate tanks. A pump can also be used to move solutions directly from the drain valve on your sprayer into rinsate storage tanks.

CAPTURING WASTE WATER:

To use the rinse pad, a golf supt. drives his sprayer onto the concrete pad and makes sure that the sump drain valve (if installed) is locked in the closed position. Any leftover fieldstrength chemical and rinse water from the sprayer drain valve is pumped into a marked rinsate tank. Any spills can be hosed into the sump for later recovery.

Rinse water or rinsate can be stored temporarily in various types of holding tanks, including mobile nurse tanks. A good choice, however, is one or more 300-gallon, cross-linked polyethylene or fiberglass tanks(s). Liquid levels can be easily seen through these types of tanks. Noves recommends that the rinse-water storage tanks be mounted three to five inches above the concrete floor so leaks can be spotted easily. Pumps and piping should be above ground, too, and contained within the rinse pad area.

Probably more than one rinse-water tank will be needed. By separating rinse water by use into different tanks, it can be used later as makeup water the next time the product or a compatible chemical is sprayed. Caution should be used to follow label instruction and mix only label-compatible ag chemicals.

Storage tanks are mounted on a level area at the back of the concrete pad, within low concrete walls high enough to contain an amount 10% greater than the volume of the largest risewater tank should a severe leak occur. A separate sump in the containment area is needed to handle rainfall and potential rinsewater spills. It's important to keep sumps pumped dry so rain water and snow won't become a handling problem. Sumps should be checked and rinsed regularly.

STORAGE OF FULL-STRENGTH CHEMICALS:

When designing a rinse pad, it may be useful to consider adding extra convenience and greater environmental protection by including an area for storage of full-strength ag chemicals. For security as well as safety, this area should be designed to include security fencing and a locked gate. A weatherproof shed would be useful for those products that need weather protection.

Full-strength crop protection chemicals and rinse-water tanks can be stored in the same containment area, but they must not be stored in the same containment area as fertilizers and the rinse waters from them. Keeping crop protection chemicals and fertilizers separate within the containment area is accomplished by building a concrete subdividing wall. Separate sumps are needed within each subdivision.

SITE SELECTION:

Selection of a suitable site for the rinse pad is also important. It should not be in a location where the water source can be contaminated by an accidental spill. If possible, pick a site that hasn't been used for chemical storage, mixing/loading or equipment rinsing. If not possible, take precautions to remove contaminated soil or otherwise decontaminate the site before constructing a rinse pad. (cont'd. page 19)



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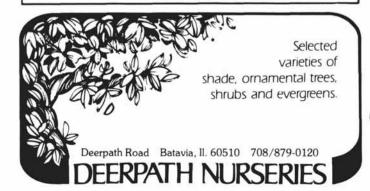
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DETAILS, DETAILS, DETAILS:

If you decide to construct a rinse pad, write to Professor Noyes for details and specifications. Then carefully review these with your cement contractor, paying particular attention to requirements for re-bar replacement, concrete strength, plastic admixtures and waterproofing.

OTHER REFERENCES:

Drawings and specifications from other sources are also available. They include:

- National Fertilizer Solutions Association 339 Consort Dr., St. Louise, MO 63011
- Farmsted Assessment System University of Wisconsin, Ag Engineering Dept., Madison, WI 53706

Credit: "Heart Beat", 11/90

The following was taken out of the "Landscape Contractor/February 1985". It was written by John Schwarz when he was president of the association and this was one of his President's messages, tongue in cheek. John died of cancer in the prime of his life in 1984.

Necessary additions to your Funk and Wagnell, written after a few beers on a cold February day at Schwarz Nursery.

Aphid — (a-fid) one fid.

Boysenberry — (boys-n-berry) the male counterpart of the girlsenberry.

Cockscomb — (cocks-comb) a comb used by hairy roosters.

Dogwood — (dog-wood) a shrub distinguished by its bark.

Exfoliate — (ex-fo-le-ate) strip tease.

Foxglove — (fox-glove) mittens sold in fours rather than pairs.

Gladiola — (glad-he-ola) a happy male ola.

Humor — (hu-more) a shift of wit.

Inkberry — (ink-berry) a well-written fruit.

Judas tree — (jou-das tree) a gift for the person who turned you in to the IRS.

Kentucky coffee tree — (Ken-tuck-ee cough-ee tree) good to the last drop.

Leatherwood — (leath-er-wood) by Gucci.

Merrimac — (merry-mac) a happy hamburger.

Nematodes — (ne-ma-toads) toads from the planet Nema.

Odor — (oh-der) opposite of humor.

Peony — (pee-on-knee) I should have been more careful.

Quack grass — (quack-grass) something ducks smoke.

Russian olive — (rush-in olive) something that goes in a Vodka martini.

Scab — (scab) a disease of a non-union landscaper.

Toadstools — (toad-stools) an organic fertilizer provided by

Umbrella tree — (um-brel-a tree) a tree needed at the Field

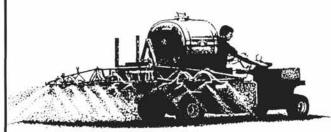
Virginia creeper — (ver-gin-knee-a creep-er) an eastern low-

Witch's broom — (which-es broom) my mother-in-law's car. **Xerox** — (zear-ox) it saves design time.

Yellow wood — (yell-oh-wood) the favorite tree of male canines.

Zoysia — (zoy-za) a grass not recommended for smoking.

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the same, golfers should take precautions because it is always better to be safe than sorry. Stand aside when the sprayer passes and try to be on the leeward side and, for heaven's sake. don't lick golf balls. If pregnant women have been advised by their physician not to smoke or drink during their period of child bearing. I would advise them to stay off the golf course while the turf is being sprayed. I would give this advice to my wife, although I hope she is not pregnant.

Golfers should have faith in their Superintendents and their green staff. Many Superintendents are now college graduates with degrees and diplomas in agriculture. They are just as concerned as their fellow men about the environment, perhaps even more, because they are aware of the mistakes that can so easily happen and that can be so disastrous. Superintendents and their assistants must be licensed to apply pesticides by the Department of the Environment. We cannot purchase or apply chemicals unless we are licensed. We apply chemicals only when it is absolutely necessary and usually well below the recommended rate. We try to spray early in the morning when there is no wind and before the golfers get to the course, but you arrive so early now. Sometimes we get caught in a sudden breeze but we have to empty the tank in case the liquid solidifies. This may cause a little drifting but the job has to be done and we can't close the course. Our ultimate objective always remains — to provide the best possible golfing conditions at a reasonable cost for the great majority of our golfers. At the same time, we want to continue to protect the beautiful environment which surrounds us, even for the golfers who come out later in the day.

Mechanics Need Motivation

by Tony Rzadzki, Asst. Supt. Cantigny Golf Club

While attending the Turf Conference in Springfield last December I had the pleasure of sharing some conversation with John Maguire. John, as many of you know, is the president of the Chicagoland Golf Course Mechanics Association (CGCMA).

John is in trouble and he needs some help.

It seems that the same thing that happens to many young organizations is happening to yours. Ninety percent of the work needed to run the association is undertaken by two percent of it's members. John and two other members are managing all of the responsibilities of a hundred member organization. John told me quite frankly that he is getting burnt out!

In 1986 I helped John get the CGCMA started and was a member for almost two years. The work that I did was minimal compared with the load that John must now carry. He has continued and has brought the CGCMA to a nationally recognized organization. That is quite an accomplishment in four short years.

Now he is asking for help. He needs ideas, attendance, and support from you, the members, and superintendents as well. Volunteering can sound like a dirty word to some people, but you would be surprised at how rewarding an hour spent organizing a meeting or letting the mechanics use your facility might

So come on guys, let's give one guy a break and see what happens. He started a dynamic group. Let's not lose hold of this valuable resource.

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