



by Fred V. Grau

ANSWERS TO TURF QUESTIONS

Q's and A's

Q.—Our soils are made up of very well-drained glacial material. Specifications for our new greens call for drain tile. Do you think that tile drainage is necessary?

(Vermont)

A.—With the excellent drainage characteristics of your glacial material I would consider tile drainage superfluous. Tile is specified where the subsoil tends to be impervious or where the drainage is too slow. You don't need tile.

Q.—Our budget has not allowed us to use crabgrass preventive chemicals and, of course, we've had plenty of the weed. We do some reseeding. My question is, "should we aerify our fairways in the spring ahead of reseeding?"

(Maryland)

A.—In your case I would not aerify in the spring. There is no sense in stirring up all those crabgrass seeds. By eliminating spring overseeding you could afford to use a premerge chemical on at least part of the course. Save your over-

Continued on page 32

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Rogers



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For more information circle number 170 on card

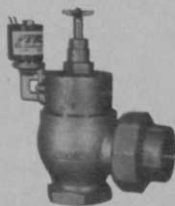
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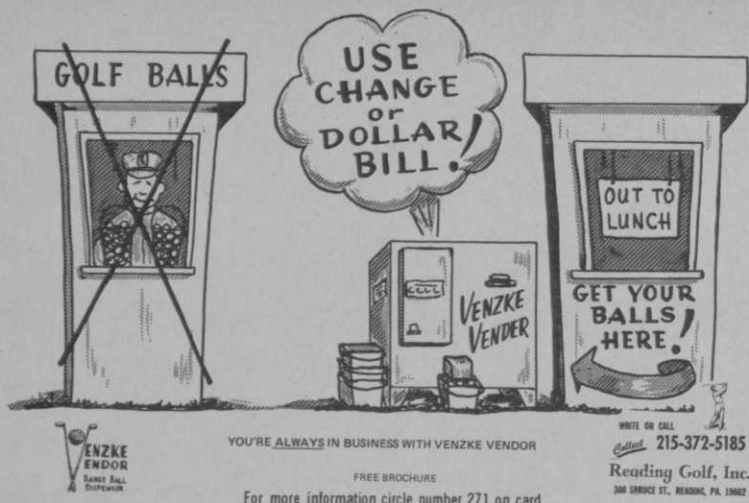
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GRAU

Continued from page 29

seeding money for fall when you have a chance to get more for your money.

Q.—Some heated discussions arise around here concerning "artificial turf." You have been in this turf business a long time; how do you feel about it compared to natural turf?

(Ohio)

A.—My experience has taught me many things. Among them are: 1) There are some areas devoted to intensive use where natural turf never will make the grade. These include practice and teaching tees where space is limited; athletic fields where practice and play must take place, including band practice; and play areas, such as covered domes, where light intensity is too low to support growth. 2) Many intensive use areas are built so that natural turf has two strikes against it from the start. 3) With few exceptions, important turfgrass areas are not provided with intelligent management.

Serious, sober consideration of these factors (and others) can lead only to the conclusion that artificial turf will be used in those intensive use areas where natural turf fails for one reason or another. In discussing this subject with Dr. Joseph Duich, he asked, "Have you ever calculated what it costs to dry-clean football uniforms when all they have to practice and play on is mud?" Apparently the money spent for dry cleaning would make a handsome down payment on artificial turf.

Make no mistake, I am utterly devoted to natural grass turf but I know when to be realistic. Also, some of the artificial turf I've examined is for the birds. The manufacturers still have some homework to do. □

Tear out this ad and save it!

**MEMO TO:
GOLF COURSE SUPERINTENDENTS**

FROM:

Warren's TURF NURSERIES

WE HAVE THE CORRECT GRASS FOR EACH LOCATION AND EVERY USE AT WARREN NURSERIES ACROSS THE NATION, FROM NEW YORK TO CALIFORNIA.

Following is a schedule of the types, strains and species of grasses produced at the various Warren Nurseries (see code for the growing location).

TYPE STRAIN OR SPECIES	NURSERIES WHERE GROWN (see code below)										
Warren's A-20 Bluegrass	IL	W	IN	N	O	M	NE	K	NE	MO	
Warren's A-34 Bluegrass	IL	W	IN	N	O	C	M	NE	MO		
Warren's A-10 Bluegrass	IL	W	IN	N	O						
Warren's Blue Grass Blend	IL	W	IN	N	O						
Merion Blue Grass	IL	W	IN	N	O						
Meyer (Z-52) Zoysia Grass	IL	IN	N								
Creeping Bent Grass Sod & Stolons	IL	W	N								
Toronto (C-15) & Cohansy (C-7)	IL	W	N								
Penncross (Sod only)				N	C						
Nimisita (Stolons only)				O							
Pennpar (Sod & Stolons)	IL	O									
Warren's Low-Cut Bluegrass Blend C	IL	O									
Warren's Hi-Cut Bluegrass Blend C	IL	O									
Bermuda Grass Sod & Stolons	C										
Tilgreen, Tilway, Santa Anna	C										
Hiway Sod	IL	W	IN	N	O	C					

NURSERY CODE
Growing Areas of Warren's Fine Lawn and Golf Course Grasses

Illinois	IL	California	C
Wisconsin	W	Minnesota	M
Indiana	IN	Nebraska	NE
New York	N	Kansas	K
Ohio	O	Missouri	MO

NOTE: A word about Warren's Grass developments and discoveries
WARREN'S® A-20 BLUEGRASS rated highest in disease resistance by leading universities engaged in turf grass research. It greens up sooner in the spring and stays green longer in the fall. Recovers from injury sooner, takes a short cut

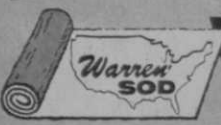
WARREN'S® A-34 BLUEGRASS is tolerant of up to 65% of the daylight hours in shade. It is a vigorous grower and can be mowed down to 1/4 inch in open or slightly shaded areas.
WARREN'S® A-10 BLUEGRASS is excellent in hot humid areas where bluegrass usually has trouble. It is a vigorous grower. It is fine-leaved and the color is a beautiful dark green.

Write for address of nearest nursery or franchise grower of Warren Grasses or look in your yellow pages

Keep the grass you plant on your tees, fairways or greens healthy and green with **WARREN'S LAWN FOOD** used to produce the finest in lawn and golf course grasses at less cost.



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