

**For 10  
full years,**

**the South's  
most  
successful  
blends.**



**Medalist<sup>®</sup>  
Brand  
Winter  
Overseeding  
Blends.**

Northrup King introduced them 10 years ago and by 1973 they were keeping greens and tees green and healthy all winter long at over 250 Southern courses. Today, Medalist blends are still used at 90 percent of those courses. And another 215 Southern courses have discovered Medalist blends, too.

That's success.

All those golf courses use Medalist blends for plenty of hard-nosed reasons. Medalist blends establish rapidly. They mow beautifully. Their transition characteristics are excellent. And they're exceptionally reliable.

The latest Medalist blend is Medalist 6 and it's a standout. That's why it will help keep more and more greens in top shape all winter long. Ask your Northrup King man how to make your course even better. He'll tell you about all the Medalist blends, including Medalist 6.

And he'll be more than happy to pour you some.

For more information, write:

Medalist Brand Formulas,  
Northrup King Co.,  
P.O. Box 370, Richardson,  
Texas 75080.  
Or 4801 Lewis Road,  
Stone Mountain, Georgia 30083.



# Introducing the C·I·L line of professional turf fertilizers containing S.C.U.

## Developed for one professional, by another.

(PRILLS SHOWN ACTUAL SIZE)

(PRILLS SHOWN ACTUAL SIZE)



### FOR GREENS:

The new mini prill, specially developed for greens feeding.

### FOR FAIRWAYS:

C·I·L blended products bring you our quality S.C.U. direct.

They're the proven performance fertilizers, designed for your professional needs.



### Professional Turf Products

A Division of C·I·L CHEMICALS, INC.

Technical Sales Representative,  
Stanley J. Kleczynski, WATS (800) 241-0009

#### WOODBURY CHEMICAL COMPANY, FLORIDA DISTRIBUTOR

Princeton (305) 247-0524 FI. WATS (800) 432-3411	Boynton Beach (305) 499-4900	Tampa (813) 247-3621 FI. WATS (800) 282-2719	Mt. Dora (905) 383-2146 FI. WATS (800) 342-9234
---	---------------------------------	---	--

# Sunlight and Your Skin

By STEPHEN E. CHIARELLO, M.D., P.A.

Dermatology & Dermatological Surgery

Diplomate of the American Board of Dermatology

## Why Avoid the Sun?

Sunlight permanently damages skin. Ordinary sun exposure during tanning and outdoor sports causes permanent skin changes. These changes build up over the years, so that even moderate repeated sun exposure causes visible skin damage. Most of the wrinkling, roughening, and freckling that appears on the face, hands and arms of white adults comes from sun damage, not age. You can see this if you compare less sun-exposed areas, such as your abdomen or the undersides of your arms, with sun-exposed areas such as your face, neck, or upper surfaces of your arms. The natural coloration of your skin, pigment, protects you from the damaging effects of sunlight. Persons with fair skin, who have little pigment, are more prone to sun damage than dark-skinned individuals.

## The Skin-Damaging Effects of Sunlight

The skin-damaging effects of sunlight gradually lead to roughening, freckling, and wrinkling. Many people in their 30s and 40s are unhappy because their wrinkled, roughened, sun-damaged skin makes them appear 10 or 15 years older. Unfortunately, there's no way to undo these changes. Young people should realize that they'll ultimately pay a steep price for the temporary glamour of a deep tan.

A more serious effect of sun damage is skin cancer. Sun damage is the chief cause of skin cancer. Here again, fair-skinned individuals are much more susceptible. Skin cancer rarely occurs in blacks. As you might expect, skin cancer tends to occur on sun-exposed areas such as the face, neck, shoulders, and arms. While skin cancers can usually be removed by minor surgery in a doctor's office, it's better to prevent them.

## Ultraviolet Rays — The Invisible Enemy

Sunlight contains both ordinary, harmless, visible light and shorter, invisible light rays called ultraviolet light. Tanning, burning, and skin damage from sunlight are caused by ultraviolet rays. Since ultraviolet rays produce both tanning and skin damage, it's impossible to tan "safely" and avoid permanent skin damage. Discussions on sunbathing that describe "safe" tanning refer to the avoidance of sunburn. By proper timing, most persons can get a deep tan without a sunburn. However, no one can get a tan without some skin damage.

## Sun-Protective Measures

There are two basic ways of protecting your skin from the damaging effects of ultraviolet rays: (1) blocking out all light with an opaque material such as clothing and (2) using a chemical sunscreen that selectively absorbs ultraviolet rays. Blocking out all light with clothing is most effective. Certain sun protectives depend on the same principle. They coat the skin with a paintlike pigment that mechanically blocks light. They work well, but they're messy and rather unsightly.

There are also many clear sunscreens that absorb ultraviolet light. These "clean" sunscreens contain either PABA (para-aminobenzoic acid) or a benzophenone compound. Some of the PABA-containing sunscreens are taken up by the skin and will provide some protection in the water, provided they're applied one or two hours before swimming. An occasional person is allergic to PABA or its derivative. So please try PABA-type sunscreens on a small area of skin before spreading it all over your body. The other chemical class of sun protectives, the benzophenones, rarely cause skin allergy. Benzophenones wash off, however, and therefore do not protect swimmers. Some benzophenones have a bitter taste that can be annoying when applied near the mouth.

There are many sun protectives on the market. If they're designed and act as "sunlight blockers" and contain a PABA derivative or benzophenone, they're probably adequate. Water removes most sunscreens. Remember to put on another coat of sunscreen after swimming or bathing. If you're sweating heavily, use some more sunscreen every hour or two. If you're in very bright sunlight, it's wise to protect your skin as much as possible with clothing (long sleeves, gloves, wide-brimmed hats) and use one of the "clean" chemical sunscreens on the parts of your skin exposed to the sun.

Protect your lips from sun damage. The darker the lipstick shades are effective for women. Men — and women who don't wear lipstick — should use an ultraviolet-absorbing lip pomade. Women can use make-up with a sun protective. The sun protective should be applied first, then the make-up itself — especially if heavily colored — provides some sun protection.

You should aim to minimize sun exposure, not avoid it. Being outdoors is fun and healthful; don't let fear of sun damage keep you inside during sunny weather. Do use sun protectives when enjoying sports or a walk in the sun.

## Specific Sun Protection Instructions

1. Avoid the 10 a.m. to 2:00 p.m. sun whenever possible as 70% of the earth's harmful radiation reaches us at that time.
2. Wear protective clothing: a broad brimmed hat and long sleeved, tightly woven white cotton shirt.
3. Apply a sunscreen containing both PABA and Benzophenone to dry skin at least one (1) hour before sun exposure for maximum protection. Wipe or wash residual from palms. Let dry before putting on clothes.

Hydration of Skin: (Bath or Shower) Immediately before application, provides an increased "protection reservoir". Daily application maintains this "protective reservoir". Always reapply after swimming or excessive sweating.

Exposed areas of the skin most likely to suffer sun damage are the face, (especially ears and nose, the scalp if you are bald), the back of the neck, arms, top of the hands and exposed parts of the chest. ■

# THE GT-7. ITS CARRYING CAPACITY IS NO EMPTY CLAIM.



No other golf utility vehicle on the market has a bigger carrying capacity than the GT-7. It'll haul a 1500 pound payload at up to 24 mph, without so much as a complaint. And its 19 cubic feet of cargo area can save you extra trips.

It's also available with a full line-up of accessories for aerating, seeding and spreading, top dressing or spraying.

The GT-7 is easier to service, has undentable fenders and a diamond steel rear bumper. Yet it

sells for about the same price as the leading competitor.



But don't just believe our claims. For a demonstration on your course, just call your E-Z-GO Branch Office or Distributor. They're in the Yellow Pages. Or call us at (612) 542-0516.

**E-Z-GO**  
**TEXTRON**

Polaris E-Z-Go Division of Textron Inc.  
1225 No. Cty. Rd. 18, Mpls., MN 55427



## SOUTHERN MILL CREEK PRODUCTS CO., INC.

SERVING ALL OF FLORIDA  
Tampa, Miami, Orlando  
Jacksonville

Dade	Broward	W. Palm
635-0321	525-0648	832-3311
Tampa Office		
1-800-282-9115		

## Year-round Sunglasses Use Urged

In preparation for summer, sun worshippers usually update their beach-going equipment, including buying a new pair of sunglasses when necessary.

Experts in the eyewear field advise us that sunglasses should be part of our outdoor life year-round, not just during the bright and sunny summer months.

"The basic reason (to wear sunglasses) is for the protection of the eyes against burn or cataracts and to make you more comfortable (by reducing the amount of light reaching the eye)," said Phillip L. Kaufman, vice president of the Illinois Optometric Association and a practicing optometrist.

The spectrum of light consists of different wave lengths ranging from ultraviolet at one end to infrared at the other, with a visible range in the middle, Kaufman said.

"The two types of light that do damage to your eyes are the ultraviolet and the infrared. What most (non-prescription) sunglasses will filter out is the visible spectrum, but not the infrared and ultraviolet. In order to get both the infrared and ultraviolet, one has to wear optically manufactured lenses with special dyes for tints that block out the harmful rays."

Another problem with buying over-the-counter sunglasses at the local drug or variety store is that many of the lenses are distorted.

"Hold up a pair of real cheap sunglasses, about a foot away and see for yourself," said Kaufman. "If the line of the lens is not perfectly straight from top to bottom and right to left (or the edge distorts, sways, curves or moves), that lens has some distortion in it and can make you uncomfortable. However, the human visual system is so miserably adaptable that patients learn to adapt to them."

Sunglasses have become very fashionable, Kaufman said.

"And they (consumers) are exposing themselves to conditions for fashion's sake and getting away from the protective value of sunglasses, and that is not good." ■

*(Reprinted from the Palm Beach Post-Times and The Chicago Sun-Times.)*



## Tom Alwin Machine Stump Removal

Serving All of Florida

Route 1, Box 488-G9  
Homosassa, Fla. 32646  
**(904) 795-2921**

Soil — Leaf — Water — Nematode  
Nutrient Solutions

● **ANALYSIS** ●  
SCIENTIFIC SERVICES FOR  
GROWING BETTER PLANTS

**A&L SOUTHERN AGRICULTURAL LABORATORY**  
*(FORMERLY DR. WOLF'S AGRIC. LABORATORY)*  
6861 S.W. 45th ST. • FT. LAUDERDALE • (305) 583-6447



# West Coast Buccaneers



By REED LeFEBVRE  
Pines & Palms Management Corp.

Water — the lack of it or the abundance of it. This seems to be the main topic of conversation among golf course superintendents on the west coast of Florida. I questioned several members of our association regarding this issue.

Harvey Phillips said they have had 4.5 inches of rain at the Biltmore from August 20, 1981 to September 1, 1981. However, before that Harvey was restricted to watering only between 8 p.m. and 8 a.m. He is trying to regulate this "feast or famine" situation by negotiating for the use of effluent water. It will probably be at least a year though before this plan is realized.

Lee Todd reports an adequate water supply at the Dunedin C.C. The club was put on mandatory watering restrictions for the first time this summer. Lee said they have no plans in the immediate future for using effluent water.

Lakewood C.C. golf course is "pretty wet" at the present time, according to Dick Grill. Dick uses effluent water which takes care of one side of the water issue for him.

Dan Morgan down at Sun City is currently "pretty damp." Dan's wells are in good shape and everything held up very well during the recent dry period. Sun City plans to use effluent water on all their courses within four years.

With only about a quarter of their usual rainfall, Don Wilson up in Crystal River reported he is fairly dry. His wells are in excellent shape though and he doesn't anticipate any real problems in the near future. Don was restricted to night time only watering.

Fred Tucker at Timber Oaks in Pasco County continues to have his own unique problems. Timber Oaks Golf Course is dry and getting little moisture compared with most of the rest of the west coast. The SWFWMD cut them back to 40 per cent of their normal water needs while the county

allowed only night time watering. The matter was further complicated when the SWFWMD required flow meters to be placed on the wells and pumps. Timber Oaks uses effluent water, but since the county restricts its use to within 50 feet of residential dwellings, a dual irrigation system is required for the course.

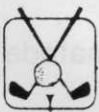
At the Plant City Golf Club we could get only enough water during the early summer to "keep the roots alive." At the present time we are pretty wet though. During the drought we conserved water which prevented our well from cavitating. The availability of a source for effluent water at our location is almost nil and so, at this point, we have no plans to use it.

The superintendents in our area agree that use of effluent water for irrigation will be the only salvation for many courses. It is all too clear — especially in our heavily populated areas — that if the natural supply of potable water is only adequate now, it will be unavailable for any type of recreational uses in the not too distant future.

It might be best for our profession and the golf course industry if we stress to water management districts and local governments that using effluent water to irrigate recreational lands will not only conserve a precious resource we are rapidly depleting, but will also solve some of the problems the various counties are facing disposing of waste water.

Just this past week it was reported in the news that Tampa had to dump raw sewage into the Hillsborough River because of all the rain. A similar situation occurred south of here in the Manatee River.

Do we just wait until we turn on the faucet and nothing comes out before we do something? ■



## Atlas Peat & Soil, Inc.



P.O. Box 867  
Boynton Beach, Fla.

Call Collect  
**1-305-734-7300**

TOPDRESSING

POTTINGSOIL

TOPSOIL

MULCH

HELPING KEEP FLORIDA GREEN

# ZAUN EQUIPMENT, INC.

*Close by when you need the finest names in  
turf equipment, and the parts and service to  
back up every sale.*



**Distributors for:**

Toro Mowers & Turf Equipment  
Cushman Turf Care System  
Ryan Turf Care Equipment  
Roper Tractors  
HMC String Trimmers  
Power Trim Edgers  
Lely Spreaders  
Mott Mowers  
Standard Golf Supplies  
Toro Turf Irrigation  
Florida Turf Sprayers  
Broyhill Sprayers  
Royer Shredders

**SERVING THE TURF INDUSTRY  
FOR OVER 45 YEARS**

# Birth Control Pill Help Plants Multiply

Birth control pills for plants? When Bob Kundtz said he wanted some for a horticultural experiment both his doctor and druggist were taken aback.

But Kundtz, known as the "wizard" of Florida's Cypress Gardens, wanted the pills, not to prevent conception but to get some plants to reproduce.

Soaked in a solution of one birth control pill to one quart of water, the plants soon sprout new offshoots complete with root systems. The offshoots are then separated and potted as new plants.

"I first heard of it in Australia about three years ago," says the well-traveled vice president of the famous flower-and-water-ski attraction in Central Florida.

"I couldn't get a variegated pineapple to put out new growth quick enough. And this friend of mine said, 'No problem, old chap. Do thus and so.'

"I thought he was pulling my leg, but I kept it in the back of my mind," Kundtz says. "It sort of bugged me.

"About a year later, I couldn't get a pandanus (a member of the lily family) to throw any keiki (a horticulture term for new growth). So I went to the drugstore and asked for some birth control pills.

"There was a lot of whispering in the back of the store, and then I found out I needed a prescription for them. So, I went over to my doctor. He said, 'Bob, does your wife know?'"

But Kundtz persisted through all the ribbing, got his pills and tried them out.

"It really does work," he says. "Little plants come out thicker than hairs on a dog's back."

Kundtz says a gynecologist friend of his believes it's the estrogen — a growth hormone — in the pills that causes new plant growth quickly.



## SPREAD—RITE, INC.

Custom Spreading

DOLOMITE  
FERTILIZER  
SULPHUR

P.O. BOX 25527  
Tamarac, Fla. 33320

PHONE  
(305) 482-7224

So far, he knows the pills work on the lily family, bromeliads and ferns.

Now, Kundtz is trying to find out whether he can get other plants to do the same. He is treating tomatoes and pepper plants in his home garden and intends to try the pills on shrubs.

"It's really too early to tell, but the peppers seem to be branching," he says. "I'm going to keep playing around with it and see what else I can do."

He's also interested in seeing whether the birth control pill solution would increase root systems in trees and stimulate flowering, which in fruit trees would mean more fruit or berries.

He says a home gardener can probably get results as well as anyone but jokingly warns that the pills aren't cleared by the Food and Drug Administration for gardening.

"It certainly doesn't hurt the plant any," he says.

And knowing how you can help your plants doesn't help you in getting the pills if you're a male greenthumb. Most doctors frown on issuing the birth control prescriptions for philodendrons. ■

Reprinted from *The Associated Press*.



# Your Sand Man

E. R. JAHNA IND., INC. 102 E. TILLMAN AVE.  
LAKE WALES, FLA. (813) 676-9431



# TURFCO BRINGS YOU THE NEWEST AND BEST IN 1981

# Hahn SPRAY-PRO

## SPRAY-PRO 4-Wheel Self-Propelled Sprayer

For golf greens, grounds, lawn care and Ag uses.  
Fast precision spray of herbicides, insecticides and liquid fertilizer.  
Compact size for maneuverability, yet it has 160 gal. polytank with patented Hahn jet agitation.  
15-ft. 3-section folding boom for 16½ ft. coverage.  
Use all 3 sections or individually.  
Centrifugal pump: 100 PSI max., 55 gpm max.  
Optional Hand Gun for trees, shrubs shrubs or brush control.



16 h.p. Kohler cast iron engine.  
Three-speed transmission. Hydraulic brakes.  
Automotive type steering.



**STEEL UTILITY BED** Optional.  
Converts sprayer to Utility Truck.  
Complete with sides and drop tailgate.



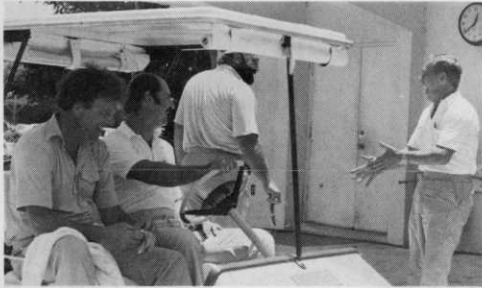
### CONVERTS TO PRECISION SPREADER

Pendulum action spreader for more accurate pattern than any other method.  
Spreads 1000 lbs. of sand for top dressing over a 3000 sq. ft. area in two minutes — 12 ft. swath.  
Also spreads fertilizer, seed or lime — 20 to 45 ft. swath.  
Powered by auxiliary drive from vehicle engine.  
Capacity — 1000 lbs. of sand or 700 lbs. of fertilizer.

**TURFCO INCORPORATED**  
16300 NORTHWEST 49th AVENUE  
HIALEAH, FL 33014  
TELEPHONE (305) 621-4677

# TURFCO

TURF & INDUSTRIAL EQUIPMENT



Sharing a golf joke before tee-off time are from left to right: Sonny Smith, Ed Haithcock, Bill Mangold, and Joe Snook.



The First Annual Treasure Coast G.C.S.A. Golf Tournament was held over the demanding Turtle Creek Course.



Immediate Past-President, Adam Yurigan, Jr., shows form that took him to victory with an impressive 77.

## Turtle Creek Hosts Annual Meeting

The First Annual Meeting of the Treasure Coast Chapter Florida Golf Course Superintendents Association was held at the Turtle Creek Club in Tequesta recently.

The days' events included the First Annual Treasure Coast Chapter Golf Tournament, cocktail hour, steak cookout and Annual Business Meeting.

Elected to office for the 1981-82 year were: Lonnie Stubbs, President (Sandpiper Bay Resort - Port St. Lucie); James Callaghan, Vice President-Internal Affairs (Riomar Country Club - Vero Beach); Bill Mangold, Secretary (Crane Creek Golf and Raquet Club - Stuart); Joe Snook, Treasurer (Riverbend Country Club - Tequesta); Craig Baker, Director (Indian River Plantation - Stuart); Jerry Broome, Director (Sailfish Point Yacht and Country Club - Tequesta); and Bob Hurst, Director (Jupiter Island Club - Hobe Sound). The Executive Committee is rounded out with Adam Yurigan, Jr., Immediate Past President (John's Island Club - Vero Beach) and Tom Burrows, Vice President - State Affairs (Turtle Creek Club - Tequesta). ■



Jim Callaghan knocks another one down the middle of the fairway.



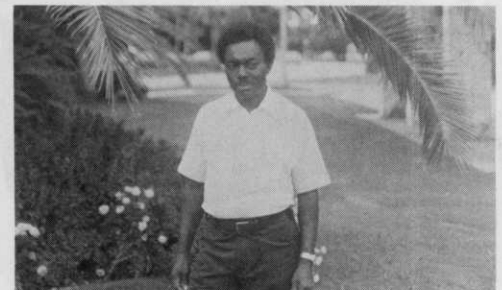
Golf Committee Chairman, Craig Baker (center) and right hand man, Tex Ardoyno (left) tally results of tournament with Tom Burrows, host superintendent.



Appetites were hearty for the steak cookout.



The new officers of the Treasure Coast Chapter Florida Golf Course Superintendents Association are from left to right: Adam Yurigan, Jr., James Callaghan, Bob Hurst, Bill Mangold, Craig Baker, Lonnie Stubbs, Joe Snooks, and Tom Burrows.



President-Elect, Lonnie Stubbs, is Golf Course Superintendent of the renowned Sandpiper Bay Resort in Port St. Lucie.

Photos courtesy of Treasure Coast Chapter Florida Golf Course Superintendents Association.