

LESCO Certified Overseeding Blends and Mixtures
Designed to produce quality overseeded turf with improved disease resistance and wearability.
Recommendations for Overseeding Bermudagrass

Blend/Mixture	Use Area	Suggested Seeding Rates
CBS II – LESCO Double Eagle Blend (contains Citation II, Birdie II, Omega)	Putting Greens Tees & Collars Fairways	25-40 lbs. / 1000 sq. ft. 20-25 lbs. / 1000 sq. ft. 200-250 lbs. / acre
CBS – LESCO Eagle Blend (contains Citation, Birdie, Omega)	Putting Greens Tees & Collars Fairways	25-40 lbs. / 1000 sq. ft. 20-25 lbs. / 1000 sq. ft. 200-250 lbs. / acre
LESCO Citation + Pennfine Blend (50% Citation Perennial Ryegrass, 50% Pennfine Perennial Ryegrass)	Putting Greens Tees & Collars Fairways	25-40 lbs. / 1000 sq. ft. 20-25 lbs. / 1000 sq. ft. 200-250 lbs. / acre
CBS + Shadow Mix (70% CBS – LESCO Eagle Blend, 30% Shadow Chewings Fescue)	Putting Greens Tees & Collars	25-30 lbs. / 1000 sq. ft. 20-25 lbs. / 1000 sq. ft.
CBS + Sabre Mix (85% CBS – LESCO Eagle Blend, 15% Sabre <i>Poa trivialis</i>)	Putting Greens Tees & Collars	20-25 lbs. / 1000 sq. ft. 10-15 lbs. / 1000 sq. ft.
LESCO Oregreen Intermediate Ryegrass	Tees & Collars Fairways	20-25 lbs. / 1000 sq. ft. 250-300 lbs. / acre
LESCO 3CN Intermediate Ryegrass	Tees & Collars Fairways	20-25 lbs. / 1000 sq. ft. 250-300 lbs. / acre

Any of the above ryegrasses or ryegrass blends can be fungicide treated. The genetic integrity of all of the above seed is double checked. The consumer is assured that the quality of the seed is the same as the breeder demanded when he developed the variety. All of the seed in these blends and mixtures is grown under the Oregon State University Certification Program. When shipped, the seed is checked and certified as Blue Tag quality.



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As a Florida golf course superintendent, it's your job to keep the course green all year round. That means overseeding.

Choose a certified overseeding blend or mixture from LESCO and your winter golfers will not be disappointed – and neither will you. Certified blue tag seed is your assurance that you are actually getting what you ordered.

With LESCO blends and mixtures you'll get improved disease resistance, excellent wearability, quick establishment, heat and drought tolerance, beautiful color and consistency throughout the overseeding season. And the cutting quality of the turf makes mowing – and golfing – a pleasure.

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Before you buy anything else, consider the benefits of LESCO overseeding blends and mixtures. The quality is topnotch, the price is competitive and the delivery method is a bonus. LESCO also offers a complete selection of individual overseeding varieties which can be purchased separately or custom blended to your specifications.



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The Florida Green

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TABLE OF CONTENTS

President's Message	9
The Nematicide Dilemma.....	10
Golf Turf News	12
Central Florida Crowfoots	18
What's the Difference Anyway?.....	20
Naples Beach Hotel & Golf Course Adds To It's Charm	G
Treasure Coast "Tide"ings	26
Is a Young Person You Love in Trouble with Alcohol or Drugs?	30
Gulf Coast Sun Beams	32
Eagle's Trace	36
Palm Beach Trade Winds	38
Torpedograss	42
Watching your Tees & Q's	43
Physical Measurements of Soils.....	46
Is a Picture Worth a Thousand Words?	47
Editorial	52

ABOUT OUR COVER

Gallery around 18th green at Eagle Trace TPC Golf Club. See article page 36.



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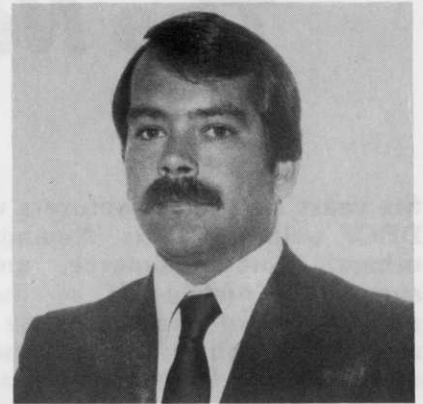
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"A Continuing Tradition of Promises Kept."



President's Message

The many long volunteer hours put in by our associations workers; past and present, are beginning to show some results. Our strength nationally in GCSAA speaks for itself. The media acceptance to our Golf Course Superintendent Recognition Program at PGA and LPGA events have been very effective. Golf course superintendents names were mentioned and highlighted on every televised tour event in Florida that I watched. Florida Golf Day accomplished some turfgrass research funding needs and also initiated communication between golf course superintendents and the general public on anticipated problems with golf turf in the future. The second FGCSA Management Seminar at the PAL Annual Classic was close to capacity. We have put a crack in the much talked about public awareness wall.

The dedicated volunteer commitment by a small number of members has made our programs possible. How much more can we expect from these small numbers to help our progression. Finding association members to put forth the volunteer hours to carry out and through projects we will have to do in the future will be difficult.

The Florida GCSA can fill a very important void in our profession, like statewide job referral services for clubs and superintendents, education and public relations. In order to accomplish these programs professionally, our association needs a full time employee with the use of an office area and telephone. The funding for the project will be very difficult but not impossible.

The Florida GCSA is in very good condition at the present time. I have received phone calls from all over the country asking how we have been so effective. My concern is how do we progress and be as effective as we could be?

A handwritten signature in cursive script that reads "Don DeLaney".

The Nematicide Dilemma

By DR. ROBERT A. DUNN
Extension Nematologist

Six years ago, manufacturers voluntarily withdrew DBCP soil fumigants (Nemagon, Fumazone, and others) from commerce, and EPA eventually suspended nearly all of their uses, following publication of their adverse effects on human reproductive physiology and their probably potency as human carcinogens. Ethylene dibromide (EDB) replaced DBCP for many agricultural soil treatment uses. Like DBCP, it is relatively inexpensive, easily applied, and effective, and can be applied at planting time for many crops. Unfortunately, also like DBCP, it now has been suspended as a soil fumigant for crops.

In recent months, low concentrations of EDB (generally less than 15 ppb) have been found in ground water (underground water sources; those tested in Florida were 100-200 feet deep) in four states: Hawaii, California, Georgia, and Florida. Since EDB has been determined to be a potent carcinogen in laboratory animals, detection of even very low concentrations in drinking water sources has caused concern about its potential as a human health hazard.

In addition to the concern about EDB in ground water, detection of aldicarb (active ingredient in Temik) early this year led to suspension of nearly all field applications of Temik in Florida for the balance of 1983, to allow time for further study of its behavior in soil and ground water.

Factors which have contributed to the problems with DBCP, aldicarb, and EDB include innate characteristics of the chemicals which seem to be necessary for them to be effective as nematicides, compounded by apparently unnecessarily high rates and frequency of use and perhaps inappropriate use, and unrealistic toxicological concepts held by the general public and some of their public servants. Perhaps none of these can be completely corrected, but some compromises must be reached if agriculture is to retain nematicides for use in the field.

Because nematodes live in water (whether free in the soil or in or on plant tissues, they must be in a film of water to be active), nematicides must be soluble in water to reach their targets. Nematode movement in soil is neither predictable nor uniform, so it seems to be necessary to treat a substantial volume of soil to protect the plant root zone; this usually requires using somewhat more of a compound per acre than is needed to protect the same plants from insect pests. Therefore, in most nematicide applications, we are placing relatively

large quantities of water soluble compounds into the soil.

Overuse, intentional and innocent, of these materials has probably happened because they are so effective and economically profitable to use. Nevertheless, it may have contributed to their appearance at undesirable levels in the environment. Any time that we unnecessarily increase the amount of a pesticide in the environment, just because it offers a cheap way to control a pest, without careful thought; or we use more because a little bit is recommended but it is so cheap that we can afford to be sure, we increase the chance of the amount of that pesticide in the environment becoming unacceptable. It is poor economics, poor crop management, and jeopardizes the availability of the product for situations for which there is no better alternative.

It is unrealistic to maintain the concept that the legal tolerance for any compound should be "no detectable residue." The level of sensitivity of technology that the tolerance levels used guidelines during product development are suddenly made absolute, and the rules of the game are changed when the game is already in progress. Regulatory agencies need to develop the professional and political courage to establish tolerance levels that are specific and finite, based on the best objective data that can be obtained before its registration. If changes of established tolerance levels are to be made, they should be defensible on the basis of hard scientific evidence that higher or lower limits to the quantities of the compound can be safely tolerated in food, feed, or the environment.

The challenge to those who give advice about nematode management or use nematicides is how to achieve economically efficient relief from crop losses to nematodes with the least negative effect on the environment. We must not only be honestly concerned about the impact of pesticides we use on the world we live in, we must act accordingly, but the general public must know and understand that we are achieving the most benefit at the least environmental cost possible from the pesticides which we use. If we in agriculture project a careless and callous attitude toward pesticide use, you may count on seeing the products available to us topple in order like so many dominoes, and we will deserve it.

Trade names are mentioned with the understanding that no discrimination is intended and no endorsement by the Florida Cooperative Extension Service is implied.