

**NEW CHIPCO<sup>®</sup>  
MOCAP<sup>®</sup> 5G  
INSECTICIDE GETS  
DOWN TO WORK  
FAST.**

---

**CHIPCO<sup>®</sup> MOCAP<sup>®</sup> brand  
5G stops grubs dead  
in their tracks.**

---

Grubs can't hide from the fast-acting power of new CHIPCO<sup>®</sup> MOCAP<sup>®</sup> brand 5G pesticide.

As soon as CHIPCO<sup>®</sup> MOCAP<sup>®</sup> 5G is watered in, it quickly moves down into the root zone to kill grubs where they live and feed.

In fact, tests show that CHIPCO<sup>®</sup> MOCAP<sup>®</sup> 5G can provide up to 97% control of grubs. Plus, CHIPCO<sup>®</sup> MOCAP<sup>®</sup> brand 5G wipes out surface feeders such as chinchbugs, sod webworms, bluegrass billbugs and black turfgrass *Ataenius*.

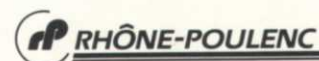
While it's tough on turf insects, new CHIPCO<sup>®</sup> MOCAP<sup>®</sup> 5G is registered for use on nearly all types of turfgrass, including Bent, Bahia, Bermuda, Centipede, Fescue, Kentucky Bluegrass, St. Augustine, Zoysia and Perennial Rye species.

This year, get the turf insecticide that gets down to work fast. New CHIPCO<sup>®</sup> MOCAP<sup>®</sup> brand 5G pesticide.

Rhone-Poulenc Ag Company,  
CHIPCO Department, 2 T.W.  
Alexander Drive, Research Triangle  
Park, NC 27709.



**CHIPCO<sup>®</sup>  
MOCAP<sup>®</sup> 5G**  
BRAND PESTICIDE



As with any crop protection chemical, always read and follow instructions on the label.

CHIPCO and MOCAP are registered trademarks of Rhone-Poulenc.

© 1988 Rhone-Poulenc Ag Company



# New Landscape Concepts for Golf Courses

by DAVID E. WEDGE  
Horticultural Consultant



*Mexican Tabebuia, cold tolerant, winter blooming*

## EDITOR'S NOTE:

**T**he horticultural consultant is the expert who is called upon for professional or technical advice. Horticulture is the art and science of growing flowers, fruits, shrubs, and trees for ornament and fancy. Incident to the growing of plants are all the questions of plant breeding, variation of plants under domestication, the bearings and applications of biological and physical sciences.

The horticultural consultant acts as a liaison between the landscape architect in the design phase and the landscape contractor in the installation phase. The horticultural consultant supplies the on-going expertise in the successful growing

of the plant material. After project completion, he assists the new owner in the early phases of critical maintenance and survival techniques. The addition of this professional to the development project staff can save thousands of dollars of dead plant material and expensive replanting costs.

Current trends in county and city governments in requiring more native plant material and the desires to have more colorful and spectacular landscapes have created a need for the horticultural consultant to work in an on-going relationship with municipal governments, land developers, and golf course superintendents. ■

**A**s a horticultural consultant and president of David E. Wedge, Inc., a general practice consulting firm located in West Palm Beach, Florida, I have been involved in the reintroduction of flowering trees to south Florida on both state and a local level. From 1986 to 1988 I was fortunate to be one of the individuals involved in creating an environmental/landscape report for the City of West Palm Beach called Dynamic Visions. The areas in which I was most involved were the proper use of flowering trees in the landscape and the use of trees in focal areas to accomplish a specific landscape statement. Palm Beach County's proximity between Lake



*West Indian Shower - one of Florida's best winter-flowering trees.*



You're on a mission that could decide the fate of your golf course. A mission against your toughest weeds: goosegrass, crabgrass, sandbur and many other broadleaf weeds.

That's why you need a pre-emergence herbicide as powerful as Surflan. It puts an end to weeds before they start.

It's a challenge a lot of other herbicides run away from. But not Surflan. It stays put and waits. Three weeks if need be, without water. Then it won't wash out, even in heavy

rainfall. And once activated, it forms a solid control zone that lasts up to 20 weeks.

So be in control this year. Take Surflan to the far reaches of your golf course and end the threat of problem weeds. See your Elanco distributor. Or call toll-free: **1-800-352-6776**.

Elanco Products Company  
A Division of Eli Lilly and Company  
Lilly Corporate Center  
Dept. E-455, Indianapolis, IN 46285, U.S.A.  
Surflan® — (oryzalin, Elanco)



**Surflan<sup>®</sup>**  
**Its 20-week mission:**  
**seek out problem weeds**  
**and prevent their germination.**

Indian Hills Country Club, Marietta, GA.



Okeechobee and the Atlantic Ocean, its prevailing 6 m.p.h. southeasterly breezes, and an average annual rainfall of 60 inches offers a climate unexcelled for the use of flowering trees in the landscape. The process of using trees and shrubs which produce a specific color at a specific time in a select location interwoven with elements of environmental landscaping, is a concept called Focal Point Design.

Each golf course superintendent usually asks the same type questions -- how can we get a more colorful landscape in the winter; how can we improve the aesthetics of the golf course and its surrounding landscape; how do we properly use flowering trees in the landscape; and which ones do we use? These are some of the major problems common not only to the golf course industry, but also to large commercial developments, institutions, and even our public park systems.

In traveling throughout Palm Beach County, the examples of poor horticulture are astounding. Many parking lots or shopping centers we pass have major problems in their landscaping. When a tree or shrub bed dies out in the entrance to the local drug store, who complains to the store manager? When that same tree or shrub bed dies out next to the restroom near the 5th green, much less next to the clubhouse, we all know the golf course superintendent is the one who hears about it. It is also this level of expectation that helps keep our golf courses in such fine condition. Within the past few years the appreciation of the aesthetic environment has come more to the forefront than ever before. Anyone who has worked with a golf course for several months begins to recognize familiar faces. Many of the "regulars" play the course several times a week, if not every day. Golf becomes their major source of recreation and enjoyment of the outdoor environment. These are the people who cast a critical eye on all that happens on the course. The average golfer plays not only for the challenge of the game, but also for the total enjoyment of the experience which takes place during the game. The total aesthetic environment is perceived primarily by sight, sound, and smell. As golf course professionals we need to address specific elements in our landscapes which will enhance these perceptions. This is done by designing focal areas on the course which are used to achieve a certain horticultural theme.



*Burmese Crape Myrtle - blooms from August to November.*

This theme can be targeted to accentuate those sensory perceptions we all enjoy. The color of a yellow Tabebuia against an azure blue Florida sky, the alluring scent of an unknown shrub, or the sound of the evening Whip-poor-will across the fairway are perceptions we have all experienced.

With the proper planning, use, and placement of trees, shrubs, woody vines, and ground covers, those areas of the course that have been looked upon as maintenance liabilities or eyesores become a resource -- one that we pursue actively to create spectacular focal areas of flowering trees, or passively to turn a perimeter planting into a wildlife habitat area to screen unwanted sights and sounds. The most important task we face as industry professionals is to develop the golf course, common grounds, and other areas to their highest and best aesthetic potential.

**HORTICULTURE HINTS:** Using flowering trees effectively requires more than the obvious of simply planting a tree. Always conduct a site analysis with soil samples, a common practice for greens, why not before landscaping? You should know the pH, organics, and elemental analysis of the soil before you attempt to amend it. The most important rule in landscape horticulture is to place the correct plant in the correct spot. Do some research and find where that plant grows naturally and then what it will tolerate. If you have a tree that you wish to place in a certain location, and that location is not the right one, DON'T DO IT! If you insist on that location, then change the site to fit landscape requirements. Nothing is more disheartening than to have a consultant come in and tell you that those large yellow tabebuias you planted in the wrong location died from temporary flooding after a four inch rain. Some trees and shrubs need dry, wet, sunny, shady, or acid conditions, and those requirements need to be met. If you take

time to find out about your plants, you will see many of those problem areas in the landscape begin to disappear.

#### **RULES FOR USING FLOWERING TREES:**

1. When using flowering trees that are deciduous (lose their leaves), use them in conjunction with evergreen trees. Why? When looking at a deciduous tree from a distance, you tend to look right through that leafless tree into the landscape behind it. If you have used evergreens, you won't even see that leafless tree. The evergreen also serves a second function in providing a dark green backdrop for the floral display.

2. Use flowering trees in groups not only to accentuate the effect of the color but also to extend the duration of the bloom. Since no two trees come into bloom at the same time, you can extend the time when there is color in the landscape simply by planting trees in groups, rather than as single specimens.

3. Deciduous trees also allow the use of many energy landscaping techniques. They provide winter sun and summer shade. Winter sun is always important when planting annuals below a tree, but it also allows for solar heating of free-standing restrooms which are normally damp and cold in shaded locations. That same tree will provide shade for the building in the summer, thus reducing cooling costs. Facilitating cleanup many trees drop their leaves at one time to prepare themselves for a breathtaking floral display. This major bloom is so spectacular the term has been coined, "The Big Bang Effect".

4. Design and develop landscapes using contrasting or harmonious colors. Lavender colors, such as that produced by the Jacaranda tree, contrasted with an underplanting of Aztec Gold daylilies makes a good combination. Combining harmonious colors such as the West Indian Shower trees in a curve-a-linear planting with the dark green pittosporum "Whellerii" and a border of multicolored pansies offers exceptional color for many winter months.

5. Create a color calendar. By learning about tropical flowering trees and how they bloom you can develop a landscape that changes every month. Winter or summer, South Florida has unexcelled potential for the use of color in the landscape. We are limited only by climatic extremes and our own imaginations.

#### **SOME NEW TREES TO LOOK FOR IN THE TRADE**



# CONFIDENCE is a 3 YEAR WARRANTY\*



## Brouwer's got it, and proves it...

*"I'm so confident you'll be satisfied, I've put it in writing."*

*"Our 3-year warranty\* is the strongest in the industry. That's because our 5-gang tractor reel mower is the best in the business."*

G. J. Brouwer.

And the features speak for themselves:

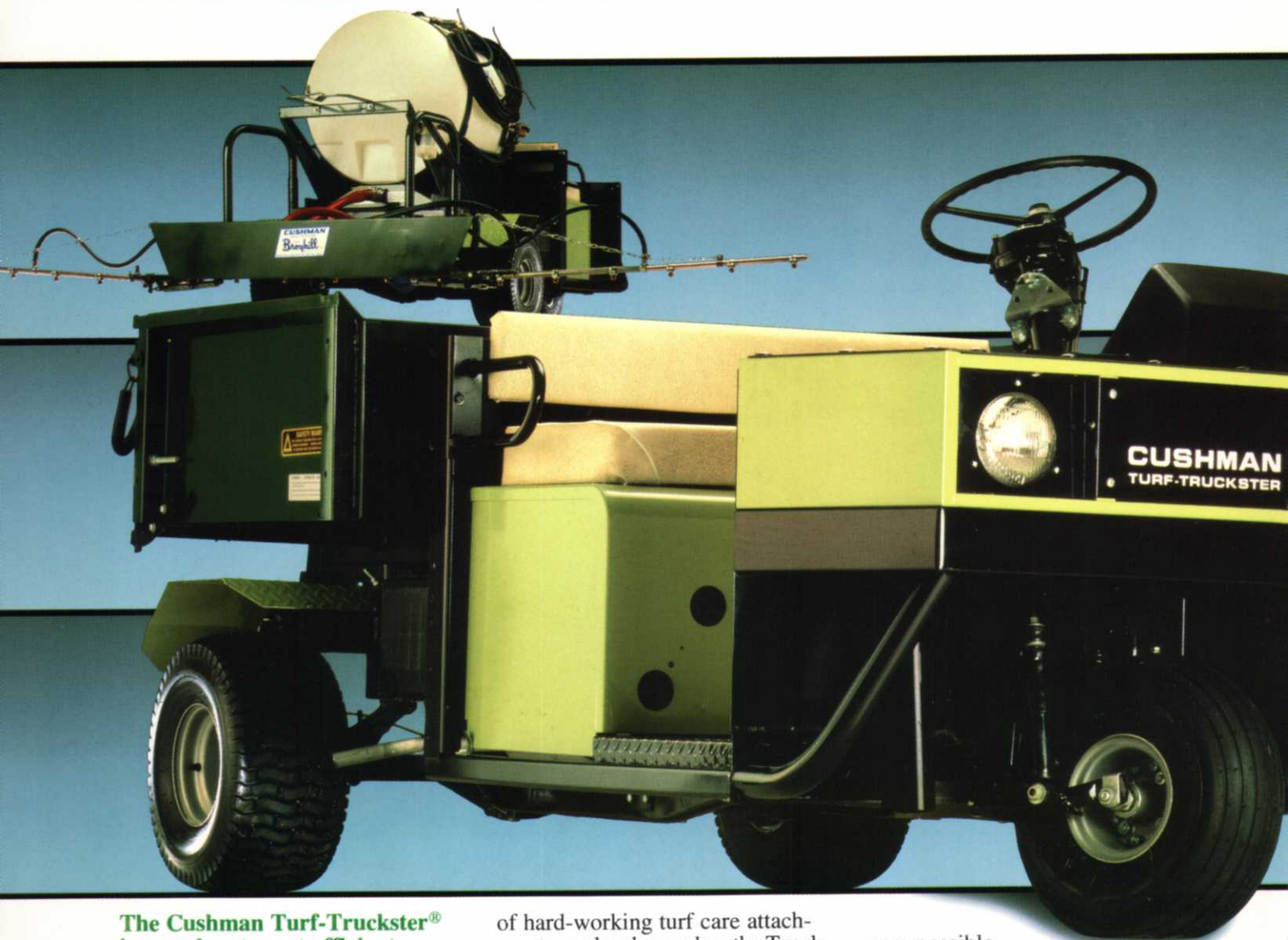
- Kubota diesel power for reliability and economy
- Unbeatable 4-wheel drive traction
- Golf course and parks models
- Floating cutting heads with quick lock-out
- Built-in backlapping system
- Single point bedknife to reel adjustment ... and much more. So much more that your choice is easy...BUY BROUWER, BUY WITH CONFIDENCE

**BROUWER**™  
TURF EQUIPMENT LIMITED  
An Outboard Marine Corporation Company

7320 Haggerty Rd., Canton, MI. 48187 Tel. (313) 459-3700 Fax. (313) 459-8778  
Woodbine Ave., Keswick, Ont., Canada L4P 3E9 Tel. (416) 476-4311 Fax.(416) 476-5867



# Built like a truck... works like a fleet.



**The Cushman Turf-Truckster® is your key to cost-efficient turf care.**

You get more mileage out of a Cushman Turf-Truckster because it's not only built to go the distance, it's designed to do more jobs, and do them better. Because no other turf vehicle gives you the rugged versatility of Cushman's exclusive pin-disconnect system.

**The pin-disconnect system puts it all together.**

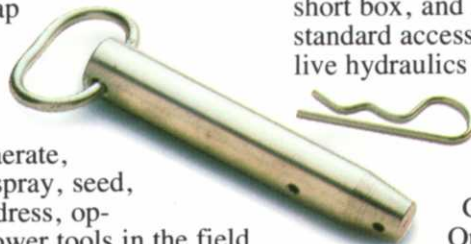
The industry's largest selection

of hard-working turf care attachments can be changed on the Truckster in just minutes. No bolting. No tools. Just snap in two or three pins, and you're ready to go.

You can aerate, haul, dump, spray, seed, fertilize, top dress, operate small power tools in the field — now you can even pick up cores. You'll save time, stretch your budget, and give your turf the finest

care possible.

Bar set, drag mat, flatbed box, short box, and Power Converter are standard accessories. Add optional live hydraulics and you can add shortbox dumping, flatbed box dumping, the Quick Aerator, and the Greensaver Aerator. Optional PTO for the spreader/seeder, Vicon Spreader, Cushman Top Dresser, 100 or 150-Gallon sprayers, hand gun and







boom completes your single-vehicle work fleet — almost.

### Introducing the new Cushman Core Harvester.™

The newest addition to the Cushman Turf-Truckster fleet saves time and cuts labor 75% on greens aeration. Because with live hydraulics and the new Cushman Core Harvester accessory, one person can do the work of four.

The Cushman Core Harvester glides gently over the green to scoop

up cores left from walk-behind aerators. So, you can free up your grounds crew for other jobs, and get golfers back into play faster than ever before.

### More years of heavy use.

With all the work your Truckster will do, it's got to be tough. And it is. The Truckster's rugged, carbon-steel channel frame and heavy-duty suspension are designed to withstand years of pounding under a 1,900-lb. maximum load. Cushman's work-proven, easy-

maintenance 22-hp. gas engine has plenty of stamina to pull tough loads over the long run.

A lesser turf vehicle simply won't do if you're tackling tough turf maintenance jobs thousands of hours a year, year in and year out.

For more information or a free demonstration of what the Cushman Turf-Truckster can do for you, contact the Cushman dealer nearest you today. Or call toll-free: 1-800-228-4444.

**CUSHMAN®**  
**BUILT TO LAST**

5423 Cushman, OMC-Lincoln, P.O. Box 82409, Lincoln, NE 68501

© Outboard Marine Corporation, 1987. All rights reserved.



# Get Involved

by DAVID A. MEDA  
Assistant Superintendent, Boca Woods C.C.

*Paying your dues as an assistant superintendent serves an important part in the management of golf course maintenance.*

**T**he job description of an Assistant Superintendent according to Turf Management, by James Beard, states: "Under the general supervision of the Golf Course Superintendent, directs and participates in the construction and maintenance of a golf course; supervises the operation, maintenance and repair of motorized and mechanical equipment; and performs related tasks as required."

Job descriptions are the same for each assistant superintendent but the responsibilities are what distinguishes us from each other. Take my responsibilities for example: Scheduling and supervising of employees; pricing and purchasing of maintenance supplies; record keeping of rainfall, air and soil temperatures, chemical and fertilizer applications; interviewing, hiring and firing of employees. Training of

employees in equipment operation, irrigation installation and repair, drainage installation, carpentry and painting. Also, chemical and fertilizer calibrating. Some people may say I have my hands full, but remember through proper management and co-operation of employees, the job can be accomplished.

The job of the assistant superintendent is very demanding -- afternoon syringing, night calls and weekend shifts are some of the expected. Even though every job is different, each assistant superintendent is required to perform specific duties in assisting the superintendent.

Some of the things that frustrate me as an assistant are the times you want to make major decisions and you need approval. Other times you think a job should be done one way and its done another. But these small problems come with the job.

I have been fortunate enough to find someone with whom I feel confident in talking to about problems. That's my boss! With his interest, I'm able to express my thoughts and ideas without

being shot down. If my ideas contribute to solving problems, they are used, but if I've missed the concept, I'm not turned away. Discussions on related topics are explained so that I do understand. To me that's an advantage because it's an education not everyone is willing to give.

To those of you who want to proceed as superintendents, let's not forget that your boss is an indirect teacher. Take notes, ask questions, suggest new ideas, and do not be afraid to be turned away because it will happen. If you do have an idea, support it with facts and believe in what you have to present. With all this in mind, be discreet in your presentation.

In conclusion, there is no substitute for education. In today's era, people are more and more open and willing to talk about new ideas related to their profession. So do not stand around, visit your neighborhood superintendent, attend local seminars, join organizations promoting your interests -- get involved! 🍏



## SUPERIOR TURF CARE PRODUCTS AND SERVICE

SINCE 1923



**TOLL FREE  
1-800-432-3413**

**Atlantic-Florida  
East Coast Fertilizer & Chemical Co.  
P.O. Box 1488 Homestead, Fla.**

- **Fertilizer**
- **Pesticides**
- **Micronutrients**