

Managing My Irrigation, Changing My Water Source

BY SCOTT BELL, GCS

Bent Pine G.C.

Since 1977 Bent Pine Golf Club has irrigated with artesian ground water from the Floridan Aquifer. The water is piped directly from the well into the pump station where the pumps pick up the water and send it out through the system.

I have been irrigating over 120 acres with two 50-horsepower motors on vertical turbine pumps. This system has been very energy-efficient — my electric bills rarely rise over \$1,200 per month. Since 1994, the St. Johns River Water Management District has been working with us to change our water source to storm water or effluent.

The club has a close proximity to the North Relief Canal. Years ago we were allowed to divert water that would otherwise go out to the saltwater Indian River to our lake system. This has helped us manage and stabilize our lakes and also be environmentally friendly by keeping extra freshwater out of the Indian River.

This water will soon become our irrigation water. Two years ago we began to plan a new lake to supply and hold irrigation water. This fall we got approval to construct the lake.

St. Johns WMD is trying to get all groundwater users to convert to storm water or effluent. The idea is to save the groundwater for potable uses. The construction of the lake will give Bent Pine Golf Club a large water source for the future.

We teamed up with a local fill contractor to handle the digging and sale of the soil. The lake will be dug by a trackhoe and a dragline to a depth of 12 feet below the groundwater level. The fill is being used around town for general purposes.

When the lake is complete, we'll have a new water source and a new VFD pump station. We are hoping that this will not change our watering practices.

The artesian water was slightly on the salty side but I feel that it was beneficial to the turf. We have 12 bentgrass greens that

last throughout the summer. I hope that the change in water will not affect the bentgrass.

We irrigate with a Toro Osmac system that has performed very well for the past seven years.

We recently replaced all of the hydraulic tubing, electric wire and hydraulic supply line. The new pump station will be the final stage in the upgrading of our system.

(305) 581-0444

SPREAD-RITE, INC.

CUSTOM SPREADING
FERTILIZER • DOLOMITE • ARAGONITE

LAMAR SAPP

6001 S.W. 19th STREET
PLANTATION, FL 33317
MOBILE: (407) 479-9417

If You're Looking for Improved Pest Control . . . Du Cor has an Easier Solution!



New Du Cor LEMWET can help improve your pesticide spray application! LEMWET is a lemon extract attractant and surfactant for use with most pesticides. LEMWET attracts nearby pests to your spray. In addition, it's non-ionic surfactants improve spray penetration and bring your pesticide into close contact with pests!

For over 35 years, Du Cor has been coming up with products to fit our customers needs. From liquid micronutrients, humates and fertilizers, to specialty dyes, surfactants, odor counteractants and more, we take pride in finding special solutions that help our clients.

So if your looking for something special to attract a nuisance, or maybe just a different solution to help you grow, give Du Cor a call. We may already have just the solution you need!



Du Cor International Corporation

P.O. Box 593298, Orlando, Florida 32859
407-859-4390 or Toll Free 1-800-382-6735