



(Cicadas cont'd.)

keep the cicadas from crawling up the trunk and underneath the mesh.

Chemical control

Homeowners as well as commercial applicators can apply carbaryl (sold as Sevin) to protect young trees. Other insecticides available to the commercial pesticide applicator that should be effective include bifenthrin (Talstar), cyfluthrin (Tempo), and permethrin (Ambush, Pounce). Permethrin can only be used in nurseries. Generally, pyrethroids provide effective control for a week to ten days. Carbaryl will probably be effective for five days or less.

Orange Lines in the Roughs

by Timothy Kelly, Grounds Supt. Village Links of Glen Ellyn

In 1988 the Village Links began painting orange lines to help control and manage motorized cart wear on the golf courses. Most of this severe wear is on the long collars, approaches, around the greens, and in the roughs adjacent to greens and tees. This wear is especially evident from the green to the next tee. Golfers like all people take the shortest distance to their next destination, even when riding in motorized golf carts. This wear on the turfgrass has a very detrimental effect on the playability of the golf course. I and the grounds staff have tried to deal with this wear in a proactive approach. This problem had been discussed with the golf staff numerous times without a solution being discovered.

This changed suddenly in early 1988. Mr. Roger Warren, Director of Golf, suggested the use of our current orange line program. He had seen this utilized at other golf courses, especially in Florida. The program has a policy to not allow any motorized golf cart users to drive inside, or past the orange lines. These orange lines are painted in either full circles, or part circles around greens and tees where concentrated wear existed. I was skeptical at first, but I agreed to try it on a trial basis. The program was utilized throughout all of the 1988, and 1989 playing seasons. The orange lines are moved each week and are never left in a permanent spot, unless it is along a paved cart path.

The results so far are: I feel that the orange line program has been successful. Turf areas that were worn around the greens have been improved dramatically, and preserved for enhanced playability. Golfers have cooperated remarkably well to comply with the orange line system.

In the future, the grounds staff needs to learn how to better utilize the orange line program. This orange line program will be continued in the future, and will be combined with other wear fighting systems:

- 1) The continued utilization of strategically located white control fences (wickets) to evenly distribute wear from traffic.
- 2) Increased fertilization in roughs and collars so turfgrass can cope better with traffic and wear.
- 3) Aerification of rough wear areas and of collars, again to help turfgrass be tolerant of wear and traffic.
 - 4) Addition of new paved cart paths were needed.
- Addition of sprinklers in strategically located wear areas in the roughs to help the turf survive wear stress during drought.