

jobs. The top executives may have high pressure jobs, but they also have unlimited resources (other people, committees, consultants) at their disposal. They can delegate away their pressures. They can achieve victory in their workplace. For those of less lofty position, there is no delegation of duty or responsibility. No matter how hard they work, nor how perfectly they complete their tasks, will they see victory. They rarely are commended and bonuses are unheard of. Crime and crisis prevails as policemen continue unrewarded. Gifted teachers are stressed to depression and illness by over crowded classes and unappreciative parents. The lack of recognition and reward coupled with the inability to escape job pressures through the delegation of responsibility naturally results in stress. Accidents, absentee

END PART I

TREE MANAGEMENT ON GOLF COURSES

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As everyone involved with golf courses well realize, trees are extremely important in providing a pleasing landscape, forming backdrops to greens, outlining fairways, separating holes, and providing shade. Along boundaries of golf courses, trees can help keep golf balls from going astray and causing damage to people, vehicles and nearby buildings. No one enjoys playing on a treeless golf course even though it can be upsetting to hit a tree that redirects the ball into a pond or other hazard.

It has been my experience that golf course superintendents need to be experts in turf management in utilization of specialized golf course maintenance equipment, and in other matters such as personnel management and public relations. A club can not expect this person to be an expert on trees and their diseases, insect pests and all else that can go wrong with trees. In Minnesota we have a large number of people well qualified to deal with the primary factors but when it comes to trees, superintendents and the club members need assistance from a professional in that field. During the past couple of decades I have responded to several golf courses that have tree problems.

When Dutch elm disease came to Minnesota, golf courses were relying extensively on elms but suddenly they were losing many of these trees. Prize winning elms were dying, trees that were landmarks, trees that lined entry ways, or trees that marked greens and doglegs on fairways. At the time it seemed that people responsible

were able to deal with the problem and, in many cases, save some of these valuable elms. On the other hand, some clubs were enticed into programs that were expensive and of little value.

Currently oak wilt is causing tree losses at country clubs. Learning about the disease would help solve these problems or at least reduce the losses and worthless efforts would be avoided. This is only the beginning of a long list of problems that can occur to trees. I thin, in many cases, golf courses could well afford to retain a consultant to work with the superintendent on special problems. It is true that the University has extension personnel who could be of assistance, yet if there is a disease or diseases of considerable concern, extension personnel are limited in what they can do to help. News releases, brochures, and bulletins help but it has been my experience that direct attention by a qualified person is far more effective in solving problems.

Incidentally, oak wilt can be confused with anthracnose, a disease of little consequence, with chemical injury, and with other factors. There are also disease problems on conifers that can kill many trees. Occasionally Dothistroma blight can be a major problem but can be eliminated. Black knot of Canada red cherry is another disease which has been a problem on some golf courses but can rather easily be effectively eliminated. Rather than eliminate this attractive tree it would be better to eliminate the disease. All trees have problems and we should not avoid tree species because they have diseases. It's far more logical to effectively deal with the problems and maintain a wider range of tree species.

Ash yellows is now in Minnesota and although there is no substantive reason to assume that all ash will be killed, it is a disease that should be quickly identified and diseased trees removed.

As we educate more urban foresters we will have people available to assist golf courses with their tree problems. These people can also recommend what trees to plant and be sure these trees are cared for properly. Sometimes tree pruning has caused far more problems than it has solved; it is another area in which this new generation of urban foresters can be of value.

On occasion golf courses need to decide what trees to plant where, and again, a consultant may be of assistance in more wisely selecting the best tree species. They can also help in procuring quality trees and advising on how they should be planted.

