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rate will be increased over the years.

8. Sand cannot be compacted by mechanical or foot traffic.

\* \* \* \* \*

YOUR VALUABLE ELMS CAN BE SAVED

By Ted Egelhoff

With the labeling of DuPonts new chemical Lignasan B.L.P. this Spring most arborist in Wisconsin have turned to this method as an additional aid in saving our elm trees.

The best program to follow for saving the elms are as follows:

1. Dormant spray, with Methoxyclor 25% - 8 gals. per 100

## IRRIGATION CHECKLIST

AUTOMATIC VALVE-CONTROLS  
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gals. water in a Hydraulic Sprayer.  
50 gals. per 100 gals. water in a mist blower.

2. Pruning of dead wood during dormant season.
3. Sanitation - Removal of dead and dying elms as soon as possible and the disposal of wood so as to eliminate brood trees.
4. Prevention - inoculate your valuable trees as soon as leaves are half emerged.  
Inject 1 quart of Lignasan B.L.P. in 8 gals. of water at rate of 2 gals. diluted mixture per each foot of circumference of tree. Inject as low to ground as possible.
5. Therapy - (Treating trees that are infested less than 5%). The rate should be 2 qts. of Lignasan in 8 gals. of water. If water is very hard, it can be corrected by adding 1 oz. of Phosphoric Acid per 5 gallons.
6. The problem of root graft of adjacent trees can be solved by placing a Vaapam barrier in the ground between trees. This will prevent the spread of disease in this manner.

I feel that the golf course superintendent must determine which are his key trees so as to determine where his money will best be spent.

With the high cost of removal and replacement of trees, serious thought should be given to trying to save our elms.

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## HISTORIAL CORNER By Monroe Miller

### Brief History of Blackhawk Country Club

The founders of Blackhawk Country Club selected a breath-taking site for a golf course. About 20,000 years ago a vast continental glacier invaded Wisconsin from Canada, leveling hills in its path. When it melted, its heavy load of rocks and soil formed the rolling terrain of the Madison area and gave the city its four lakes. The golf course was built on the south shore of the largest of these four lakes - Lake Mendota - in the Village of Shorewood Hills on the west side of Madison.

The first nine holes of the golf course were constructed in 1921 and the second nine was added a year later. Irrigation was provided only for greens and tees at that time, but a manual quick cupler valve system for fairway irrigation was installed in 1938. The layout of the course is typical of those built during this time period. The fairways are relatively short and tight. The putting greens, with an average of about 4,800 square feet, are small as are the tees, which average 2,500 square feet. There are many steep banks that require hand maintenance. However, there have been some significant changes and improvements made over the years, including those suggested by the famed golf course architect A.W. Tillinghast prior to 1940.

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