

## Trimnings

**GASES**, combined in a mixture at low total concentrations may cause more plant damage than a single pollutant at a much higher concentration. Ohio State University researchers are studying this peculiar problem and another closely associated with it. In the second case, clues are being sought as to why pollutants make plants more susceptible to attack by insects and pathogens such as fungi and bacteria. Seems these seek out plants weakened by chronic pollution stress.

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**CONDEMNED ELMS** in Stockholm, Sweden, failed to fall on schedule. Ax-wielding workmen were repelled by tree lovers and needed a police escort in order to retreat. Most serious threat, however, was a series of anonymous calls threatening to chop down fruit trees in the backyards of councilmen if the elms were destroyed.

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**OZITE** known for the indoor-outdoor carpet craze has marketed a grasslike artificial turf. It's more carpet than turf and isn't meant to compete for the athletic field business. Company reps say that Lawn-scape (the new sale name) was created mostly for do-it-yourselfers on yards, balconies, basements, patios, around swimming pools and the like. The company, however, doesn't rule out its use in the commercial field.

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**RACEHORSE OWNERS** have complained that Saf-T-Turf at the Calder Race Course (Fla.) is making their horses sore. Heavy investor in the Calder set-up, William L. McKnight, is not about to cover the artificial surface with sand, or whatever. He instead hopes to sell the 3-M company's product as the race-track of the future. Top stables may reconsider competing at Calder this winter.

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**MORE FERTILIZER USE, NOT LESS**, is being promoted by Extension Professor R. Hunter Follett at Ohio State University. He says that greater use of fertilizers can reduce erosion and help prevent pollution. Instead of exposing more land to erosion and nutrient losses, Dr. Follett suggests increasing fertilizer use on better land where erosion hazards are low, and retiring more poor land to permanent cover.

## Highway Tree (from page 14)

surgery should be performed if the situation necessitates.

Where utility lines are located along highways, it may be necessary to prune and control the growth of trees on a more regular basis. Yet, when the coexistence of trees and utilities is feasible mutual benefits are frequently possible. Trees help to hide some of the unpleasant visual qualities of utility lines and poles. They also provide a wind screen and protection from the elements for the utility lines. And, because proper functioning of the utilities necessitates regular pruning of trees to prevent service interruption, diseased and dead wood is eliminated which could prove to be a danger to motorists.

Today our trees are faced with many man-made problems. Chemical applications applied to our highways and off-highway maintenance areas, such as salts used as deicing compounds, herbicides and soil sterilants, oils, and other toxic materials which either wash or blow off the highway onto plants and under the trees and grounds surrounding them cause their death.

In many cases it would be advantageous to remove these trees which would have a tendency to die or be killed by unnatural surroundings. Many areas of our country have not been blessed with enough rainfall for a period of several years, therefore these trees have been weakened and are susceptible to insect and disease attack. Healthy trees need care and a maintenance program that stimulates growth through the application of nutrients, preventive sprays where known insects and disease are prevalent and tree sanitation are greatly needed.

Consideration must also be given



Robert A. Bartlett, president of the F. A. Bartlett Tree Expert Company.

to the effects of air and water pollution upon highway trees. Trees, like most living things in the environment today suffer from pollution. The effects of pollutants on trees are numerous and the most serious symptoms are clearly evident in urban areas. The ultimate solution to this problem lies with the polluters and legislators, although research is now going on in several parts of the country to determine which particular species of trees are most tolerant to pollution. When this research is completed, we will be best able to determine what trees should be planted in areas of high pollution.

### Recommendations

#### 1. Initiate a Comprehensive Highway Tree Census and Continuing Tree Inventory.

A highway tree census should be started. This census should be repeated at least every ten years.

## Shocking!

We are dismayed at the d-CON ad in the July '71 issue of **Ladies Home Journal**, p. 146-147.

This ad by a reputable formulator shows a picture (taken by a National Audubon Society staffer) of 210 dead birds which are purported to have been killed by a "hard" pesticide.

There are no data to substantiate the claim. No data explain whether the birds were picked up along a highway or in a park, or whether there was an autopsy to indicate why they died. The so-called "hard" pesticide was not named.

Nor does d-Con mention that they market a rodenticide which would kill most anything.

We are shocked because this type of reporting is a disservice to the industry—an industry which is spending more money than ever before to monitor and research the effect of chemicals on the environment, including that on birds.