

wear." Stainless steel tips may be used to good advantage, he pointed out. They cost more, about \$1.50 compared with 50¢ for brass tips, but they are more resistant to wear and would not need to be replaced as often as brass tips.

DED Stopped in Route

"Dutch elm disease, one of the most destructive diseases of trees in the United States, kills thousands of elms annually," J. C. Carter, Head, Illinois Natural History Survey, Plant Pathology and Botany Section, reported to the attentive spraymen. "In the Champaign-Urbana, Ill. area, it has killed over 78% of the elms since 1951.

"Healthy elms," he explained, "within 25 feet of diseased elms frequently become infected by transmission of the DED fungus through grafted roots. This transmission of the fungus can be prevented by injecting Vapam into the soil. One part Vapam to 3 parts water is placed in holes 15 inches deep and 6 inches apart in a band between the diseased and healthy trees. One-half cup of the Vapam solution is placed in each hole. In the treated zone, Vapam kills roots, and therefore the DED fungus can not pass from tree to tree through their roots."

The Illinois Natural History Survey recommends methoxychlor for the control of elm bark beetles which carry the elm disease fungus. It suggests a 12% solution of insecticide if applied with a mistblower, or a 2% solution if sprayed with a hydraulic sprayer. Also, sanitary measures for the removal and destruction of all elm material in which elm bark beetles can colonize are recommended.

Grasslands Book Revised

The 707-page book, "Forages: The Science of Grassland Agriculture," contains material on all aspects of grasslands production. Completely revised, it is now available from the Iowa State University Press, Ames, Iowa. Price is \$8.50 per copy. The work has won international recognition for its educational value.

Control all these weeds with one time-tested, time-proven weed killer...

HOOKER SODIUM CHLORATE



This low-cost soil sterilant kills almost any weed you can name. More than 35 years of weed control prove it.

One treatment usually does the job. Hooker sodium chlorate goes deep to kill growing roots and germinating seeds. It can sterilize heavy soils for as long as two years and sandy soils for as long as one.

For more complete information or the name of the Hooker distributor nearest you, please write us. Hooker Chemical Corporation, Agricultural Chemicals, 403 Buffalo Avenue, Niagara Falls, N.Y. 14302.



AGRICULTURAL CHEMICALS