

FURTHER OBSERVATIONS ON THE USE OF PARADICHLOROBENZENE FOR THE CONTROL OF THE PEACH TREE BORER

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(Withdrawn for publication in a bulletin)

MR. GLENN W. HERRICK: Does it make any difference in the application between the northern and southern half of the State?

MR. ALVAH PETERSON: September 15 for the northern half, and October 1st for the southern half. Due to the fact that you never find females after September 1st in the northern half, and in the southern part after September 15th to 20th.

PRESIDENT GEORGE A. DEAN: The next is a joint paper by E. R. Sasscer and C. A. Weigel.

FUMIGATION WITH HYDROCYANIC-ACID GAS IN GREENHOUSES ON A COMMERCIAL BASIS

By E. R. SASSCER and C. A. WEIGEL

Although the use of Hydrocyanic-Acid Gas in greenhouses for the purpose of controlling insect enemies is frequently referred to in entomological literature, as well as in florist trade papers, there are very few instances where an accurate account of fumigation on a commercial scale has been made. For the most part, these articles are of a general nature, and the authors quite frequently fail to take into consideration the effect that such factors as heat, moisture, light, exposure, quality of the chemicals, and formulae employed would have on the final results. Many valuable plants have undoubtedly been injured on account of inaccurate fumigation, and doubtless, it is on this account that we find many florists prejudiced against the use of Hydrocyanic-Acid Gas under glass.

The work which has been carried on by the authors for the past eleven years indicates that under proper conditions, Hydrocyanic-Acid Gas is very effective in controlling the more important greenhouse insects without appreciable injury to the infested plants.

It is recognized that plants vary in their susceptibility to injury by Hydrocyanic-Acid Gas, a problem which is increased in a house containing a miscellaneous collection. Incidentally, plants in certain stages of development bear considerable succulent growth which is sure to be injured if the gas is used in sufficient concentration to kill