Statistical methods applied to the measurements made at yearly intervals did not indicate that a significant difference in favor of the checks or the treated trees was obtained under the conditions of this experiment.

A table of the differences between the checks and the treated lots follows in which differences in favor of the checks are indicated by a minus sign and those in favor of the treated lots by a plus sign. Odds of less than 30 to 1 of course are not considered significant and an examination of the table will show that after 1928, odds of over 30 to 1 occurred only three times and then in the cross sectional area of the trunk only, without a similar effect on the lineal growth. It will also be noticed that this difference does not continue through succeeding years.

It can therefore be concluded that under the conditions of this experiment that fumigation of pecan nursery stock does not have a detrimental effect on its succeeding growth.

BLISTER-BEETLES ABUNDANT IN FLORIDA

Many of the insects commonly found in Florida have been exceptionally abundant and troublesome this summer. This situation is perhaps largely due to the very mild weather of last winter when most sections of the State experienced a freezing temperature on only two or three occasions. The blister-beetles represent one group in which this condition is particularly noticeable. The striped blister-beetle, Epicauta vittata Fabr., has been the most frequent offender and has occasioned the greatest amount of damage though E. heteroderu Horn, the gray blister-beetle, was concerned in a few instances. Peppers and eggplant have suffered severely from the attacks of these beetles, especially in the region surrounding Gainesville. Sweet potato plantings in the Gulf Hammock section of Levy County have suffered from the depredations of E. vittata, some fields being almost completely defoliated. Swarms of these insects have invaded some of the “fernerics” in Northeastern Marion County and have severely injured the growing shoots of the Asparagus plumosus.

A. N. Tissot.

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