

THE DAMAGE CAUSED BY THE SUGAR
CANE MOTH BORER
IN GUADELOUPE.

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S U M M A R Y .

THE FIRST RESULTS ARE PRESENTED OF AN INVESTIGATION UNDERTAKEN WITH A VIEW TO DETERMINING THE IMPORTANCE OR OTHERWISE OF THE MOTH BORER IN RELATION TO THE SUGAR INDUSTRY OF GUADELOUPE.

THE FIGURES OBTAINED INDICATE THAT A LARGE PERCENTAGE OF CANES ARE ATTACKED AND THAT THERE IS A CORRELATION BETWEEN THE NUMBER OF BORER HOLES PER STALK ON THE ONE HAND, AND THE PERCENTAGE OF JUICE EXTRACTED, ITS SUCROSE CONTENT, GLUCOSE CONTENT AND PURITY, ON THE OTHER. THE PERCENTAGE OF JUICE EXTRACTED, ITS SUCROSE CONTENT AND PURITY WERE LOWERED AS THE NUMBER OF BORER HOLES PER STALK INCREASED, WHILE THE GLUCOSE FIGURES VARIED IN THE SAME DIRECTION AS THE NUMBER OF BORER HOLES PER CANE.