

ABSTRACT

This study was conducted to determine the effects of Natural corn and Bt corn on the cell count and cell number of Liver's hepatocytes and Kidneys (Bowman's Capsule) of *Cavia porcellus* (Guinea pig). The experimentation period lasted for one month. Three treatments were used: (T₀) six (6) grams natural feeding (T₁) six (6) grams Natural corn and (T₂) six (6) grams Bt corn. After the feeding trial had done, guinea pigs were dissected to observe the Liver's hepatocytes' and the Kidneys (Bowman's Capsule) using ocular micrometer liver cells and Kidneys' cells counted and measured the cell. Between treatments, there was changes observed in the Liver cells and kidneys' cell of guinea pig that were ingested by Bt corn because it shows significant difference compared to natural feeding and natural corn.