

Abstract

The project is entitled, "To evaluate Sweet Pepper varieties (Capsicum annum) cultivated in Trinidad". The project entails the comparison of newer varieties against a traditional variety cultivated in Trinidad. The newer varieties used are Aristotle, Redemption (7141) and Crusader. Aristotle and Redemption are produced by Seminis Seeds and distributed by Caribbean Chemical and Agencies Ltd while Crusader is produced by Rogers Seeds and distributed by Tracmac Engineering Ltd. California Wonder is used as the traditional Variety since it had been cultivated for many years and is distributed by various companies.

The purpose of the trial is to distinguish the better varieties cultivated. The trial consists of 300 seedling plants, 75 plants of each of the 4 varieties. A complete randomized block design was used and specific parameters are determined to distinguish the different between varieties. The parameters includes: height index, time of first flower, number of fruit, weight of fruit, size of fruit, fruit firmness, and pest and disease presents. Data was collected on a fourteen day interval.

Base on the results at a 95% confidential level the statistical analysis of data reviled that there was a significant different within varieties in terms of the height of plant, the weight of fruits, the size and the shape.

California wonder produced greater number of fruits but the weight was the least. This is so because of the size of fruits obtained. The newer varieties produce large to extra large fruit with fewer numbers hence the increase in weight.