

## **Abstract**

Greenhouse technology is a useful tool which can be used in the agricultural sector to harness improvements in marketable yields, significant reductions in the control of pests and weeds, increased density of crops, efficient utilization of water and the accommodation of the use of different cultivation methods. This type of farming system has long been in the background and has not yet explored its maximum capability however; recently observations have been made about the use of greenhouse technology in the agricultural sector. A study of the farming practices, challenges and success of greenhouse and traditional farmers is reported in this research to demonstrate the benefits of the greenhouse which would lead to the ultimate enhancement and sustainability of the agricultural sector in Trinidad and Tobago.

This review seeks to explore and examine the farming methods used by greenhouse and traditional farmers, the challenges and successes faced by these farmers and recommendations for these solutions. From the analysis, quantitative data will be shown compare and contrast the results given by each farmer. A survey was conducted to retrieve the information. The results of this survey established that most farmers involved in the sector were men who had many years of farming experience. Additionally, the observations made indicate that that a lack of knowledge and experience in this new technology was the most pressing challenge faced by greenhouse producers and most traditional farmers, if given the opportunity would consider establishing and operating a greenhouse. Thus, greenhouse farming and its systems are applicable apparatus for developing and improving the agricultural system of Trinidad and Tobago.