

THE EFFECTS OF CLIMATE CHANGE ON APICULTURE INDUSTRY

Syed Ali

School of Social Sciences

Mulungushi University, Kabwe, ZAMBIA

E-mail: profali_1951@yahoo.com

Urooj Afshan Jabeen

Government Degree College for Women

Nalgonda, Telangana State, INDIA

E-mail: rayyan_afshan78@yahoo.co.in

ABSTRACT

The study was conducted in the Central Province of Zambia during October to December 2016. The purpose of study was to find out the effects of climate change on honey production and income of the honey producers. The impact of climate change on honey production was measured by using the econometric model, i.e., $hp_i = \beta_i + \beta_{rdi}^1 + \mu$. The overall significance of the model showed that the F- statistics was 0.6854, which was higher than 0.05. The study revealed that the honey production and income of the honey producers were decreased by 50 percent during the period of study, compared with the normal rainy season. The study also showed that the sources of loan and the amount of loan taken by the honey producers were smaller. The study concluded that the Government and the Non-Governmental Organizations should popularize the concept of community forestry; prohibition of forest burning and release of pollutants in to environment by the industries; use of modern technology in honey production & marketing and provision of loan by banks and micro finance institutions to the honey producing farmers against their quantity of honey production.

Keywords: Rain- days; Honey production; Income; Sources of loan.