Available online at www.ijpab.com

DOI: http://dx.doi.org/10.18782/2320-7051.5050

ISSN: 2320 – 7051

Int. J. Pure App. Biosci. **5 (6):** 54-58 (2017)

International Journal of Pure & Applied Bioscience

Research Article

OPEN ACCESS

Economics of Low and Unstable Yield in Rainfed Area and Policy Panacea for the Farming in Northern Karnataka

B. L. Patil., Radhika V. S.*, Avinash C. S. and Ravi Dupdal

Department of Agricultural Economics, College of Agriculture,
University of Agricultural Sciences, Dharwad-580 005, Karnataka, India

*Corresponding Author E-mail: patil.basagouda@gmail.com

Received: 24.06.2017 | Revised: 29.07.2017 | Accepted: 1.08.2017

ABSTRACT

Climate and agriculture are inextricably linked. Climate change is already affecting agriculture, with effects unevenly distributed across the world. Climate change will also have an economic impact on agriculture, including changes in farm profitability, prices, supply, demand and trade. Keeping in view the objective of the study a multistage random sampling procedure was adopted for the selection of the district, taluks, villages and farmers. Dharwad was selected purposively for the present study. The return was more in G engram is mainly because of lower cost of cultivation especially less use of machine labour. Agriculture is highly depending on climate. Most of the crops respond very quickly to the climate change. During scarce rainfall situation yield of the crops were affected negatively. The variation of rainfall from year to year is mainly due to change in climate parameters like temperature, relative humidity, soil moisture and these changes are mainly because of emission of Greenhouse gases in the atmosphere. The yield gap of major crops is mainly due to the variation in package of practice followed by farmers, climatic factors, especially impact of climate change and loss of soil fertility. Hence farmers' needs to observe the climatological changes for harvesting rich dividends endowed with nature for making an agriculture more profitable.

Key words: *Climate Change, Climate parameters, Returns and Yield gap*