

CLIMATIC CONDITION AND ITS INFLUENCE ON THE AGRICULTURAL PROCESSES IN THE NORTHEASTERN PARÁ: STUDY CASE OF IGARAPÉ-AÇU, STATE OF PARÁ

CONDIÇÕES CLIMÁTICAS E SUAS INFLUÊNCIAS NOS PROCESSOS AGRÍCOLAS NO NORDESTE PARAENSE: ESTUDO DE CASO DE IGARAPÉ-AÇU, ESTADO DO PARÁ

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It is known that the Amazonian climate, because of its general conditions of heat and humidity, imposes limitations for agricultural production. In addition, the great rainfall fluctuation constitutes a source of risk to farmers, because it affects many agricultural decisions such as: species selection related to water stress, agricultural practices and crop storage. Recently, there has been questioning on the influence of regional climate in the succession process of vegetation after forest removal and intense use of the soil by agriculture, mainly related to annual crops. So there is a great need for climate measurements of the day-to-day type, which describes and predicts natural events to assemble data for those types of studies. Actually at the present, there hardly are studies involving man and nature, that do not use climatological information. The objective here is to provide climatological information observed at Igarapé-Açu during the period 1993-1994, including: drought incidence, numbers of days of effective rainfall and dry spells during the rainy season. This place is located in northeastern Pará, one of the oldest region of agricultural exploitation on soils of low fertility in the Amazon basin. Climatic information also includes temporal analysis of rainfall and its implication to agricultural calendar and plant succession for Northeastern Pará, based on some meteorological stations located in the region, which have climatological records over 20 years.

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