## Precipitação provável para o município de Afrânio-PE em diferentes níveis probabilístico

Edgo Jackson Pinto Santiago  $^1,$  Luciano Pereira da Silva  $^2,$  Frank Gomes-Silva  $^3,$  Antonio Samuel Alves da Silva  $^4$ 

**Abstract:** The aim of this study was to determine the expected rainfall at different levels of probability for the municipality of Afranio, aiming to define a better time for rainfed planting and lowering of Catinga woody plants for the pastoral management of ovine and caprine animals extensively raised in the region.

Keywords: gamma distribution; rainfed agriculture; semiarid; management of the caatinga; irrigation.

<sup>&</sup>lt;sup>1</sup>Universidade Federal Rural de Pernambuco, DEINFO/PPGBEA. e-mail: edgoj@hotmail.com

<sup>&</sup>lt;sup>2</sup>Universidade Federal Rural de Pernambuco, DEINFO/PPGBEA. e-mail: lu.persil.lp@gmail.com

<sup>&</sup>lt;sup>3</sup>Universidade Federal Rural de Pernambuco, DEINFO/PPGBEA. e-mail: franksinatrags@gmail.com

 $<sup>^4 \</sup>text{Universidade Federal Rural de Pernambuco, DEINFO/PPGBEA. e-mail: } \textit{samuel matematico@yahoo.com.br}$