EARTH OBSERVATION SYMPOSIUM (B1)
Interactive Presentations (IP)

Author: Dr. Graciela Velasco Herrera
Centro de Ciencias Aplicadas y Desarrollo Tecnológico (CCADET)-UNAM, Mexico,
graciela.velasco@ccadet.unam.mx

RECOGNITION OF SPATIAL IMAGES AND THE ANALYSIS THAT MODULATE LA VARIABILITY THE SOME PEST OF BEAN CROPS IN MEXICO.

Abstract

In this paper, we show the mathematical algorithms for external factors recognitions that modulate the high and low season pest on bean crops in Mexico. We present a study space-time for the variability of some pest. Bean crops is one of the most important crops for consumption in Mexico. In México there are over 70 varieties of beans grown (usually identified by their color: black, yellow, white, purple, bays, pintos, etc.). The bean has a number of possible pests wich cause various types of damage. Also, in 2012 this crop was planted in an area with 1,700,513 hectares and a production of 1,080,856 tons, and it obtained the third place in Mexico. We show the first results of external factors recognition analysis, this may be useful in creating pest control programs on beans crops.