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Strategic program for integrated management of pest in maize and sorghum on Amacuzac Morelos state, Mexico

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Almost 520 producers of Maize and Sorghum on Amacuzac, Morelos State, works on 2300 hectares of crops, with an increasing production. Actually, there is no Strategic Plan available for pest control, meanwhile insecticide application are currently done without monitoring their economic impact. With a lack of entomological studies available, the main goal is the improvement of a Strategic Program for integrated Management of Pest for Maize and Sorghum. Methodology was sustained on preliminary meetings with the producers in order to raise assistance and counseling techniques for a better performance on these crops. This study was conducted through 2009-2011; with an agreement between University-Municipality-Agricultural Development State Ministry, the work area was defined on Teacalco, Huajintlan, and Coahuixtla villages, where biological studies of agricultural pests were conducted and a strategy of control at different stages of development. The head quarters of the Strategic Programmed where developed on demonstration plots of the Biological Research Center of the Autonomous University of the State of Morelos, Mexico. From a phytosanitary persepctive these crops are strongly attacked by pests, with a consequence of economic lost of 40-60%, in absence of control, with an impact dated since 1960, where producers reported capital costs up to 70% on insecticide applications, finding infestations to 10-15 insect / plant (check previous).

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