



The Center for IPM: Addressing Global, National and Local IPM Priorities

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Abstract

Weeds, insects, plant pathogens and other biotic agents threaten the productivity of agriculture and can result in extensive and detrimental environmental and social impacts. The Center for IPM located on the NCSU campus was established in 1991 through a National Science Foundation grant and seeks to advance IPM programs that limit biotic pest problems. The CIPM is now self-funded through competitive grants and agreements averaging between \$4-5 million per year. CIPM cultivates a core premise that the task of safeguarding US agriculture from potential invasive pests requires that federal, state and local agencies have access to information about pests of concern in order to recommend appropriate action(s) to their stakeholders. By gathering, analysing, compiling and reporting information about naturally occurring and invasive pests all around the globe, CIPM provides a database-driven information platform to enable IPM programs that protect US borders from invasive species. Prevention efforts are complemented through the development of response guidelines, advanced pest (forecasting) models and action plans to implement survey and management programs if a new pest species invades the US. Global programs are complemented by national efforts to advance an IPM road map. The Southern IPM Center (SIPMC), housed within CIPM, is one of 4 national IPM Centers that promote and facilitate IPM planning, development, implementation, and evaluation by supporting networks, facilitating collaboration, engaging stakeholders secure and distribute funds to address pest management issues by working in partnership with stakeholders from agricultural, urban and rural settings to identify and address regional priorities for research, education and outreach. In the process, the SIPMC develops state and regional networks of experts and stakeholders to address local IPM priorities and to provide rapid access to a knowledgeable and experienced infrastructure capable of responding to national IPM priorities. Finally, the CIPM fosters innovative and collaborative programs to address specific pest problems by securing and managing grants or coordinating multi-disciplinary teams to solve pest issues at the local level.