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MONTANA AGRICULTURAL
EXPERIMENT STATION

2005 Special Project

SEP 20 2006

To: Mr. Rick Melnicoe
Department of Environmental Toxicology
University of California
One Shields Avenue
Davis, California 95616-8588

From: *Will* Will Lanier, Sue Blodgett
MSU Museum IPM
Animal and Range Science
Bozeman, MT 59717-3020

Re: Final Report of the Distribution and Evaluation of the MSU Museum IPM Starter Kit in Montana and Wyoming.

Department
of
Animal and Range
Sciences

Dear Mr. Melnicoe,

The "Distribution and Evaluation of the MSU Museum IPM Starter Kit in Montana and Wyoming" proposal received funding from the Western Region IPM Center Special Issues in 2006.

The 4 objectives:

- Develop a list of 100 Museums that would benefit;
- Design, build and distribute Museum IPM starter kit and evaluation;
- Introduce and display the Museum IPM Starter kit to Diagnosticians nationally;
- Collect, tally evaluations and comments and submit final report.

were completed with assistance from many cooperating Museums in Montana and Wyoming and are detailed in the attached Final report.

Photographs of the Kit and the materials it contains are available at <http://ipm.montana.edu/IPMMuseum>. Please contact me if these images do not meet your requirements.

Thanks for your support of the MUS Museum IPM program.

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Distribution and Evaluation of the MSU Museum IPM Starter Kit in Montana and Wyoming final report.

During a 1995 National tour of museums a Minnesota bear exhibit was infested with psocids, a common stored materials pest, and subsequently infested the MSU Museum of the Rockies. The infestation and control efforts identified a need for accurate and current information about monitoring and managing pests that cause damage to irreplaceable artifacts by the MSU Extension Service Integrated Pest Management (IPM) program. Since 1995 a MSU-ES-IPM and Museum of the Rockies (MOR) collaboration has provided Montanans with research-based information for implementing a pest management program designed for the specialized needs of museum collections.

To help Museum staff and volunteers select and integrate pest control strategies into their museum operation a Museum IPM Starter Kit was developed. The Museum IPM Starter kit contains insect identification aids, monitoring tools and instructions on how to access to MSU Diagnostic services. Recently, with the help of the Grant Kohrs Ranch and Rocky Mountains Cooperative Ecosystem Studies Unit general Museum IPM concepts were summarized for a 15 minute video titled "IPM for Montana and Wyoming Museums."

In 2006, support was obtained from the Western Region IPM Center Ongoing Special Issues program to distribute the Starter kit to 100 Museums that would benefit. Museums that had participated in previous Museum of Montana and Wyoming IPM programs and those that had not were included in the list. Starter kits were designed, built and distributed along with a MSU extension video evaluation to these Montana and Wyoming Museums during February and March 2006.

Museum IPM is not a new idea but a starter kit to facilitate implementation in community museums is and so the concept was introduced at a National level during a Great Plains Diagnostic Network workshop held in Bozeman, September 27 – 29, 2005 and to IPM Specialists and workers at the National IPM Symposium in St. Louis, MO on April 4-6, 2006.

One month after the Kits were distributed a follow up request for a completed evaluation was sent out. 22 evaluations were collected and tallied. See "Evaluation Survey Results" at <IPM.montana.edu/IPMMuseum>.

In general the Starter Kit was well received and comments suggest that Kit information and material enhances a user's ability to implement effective pest controls based on the results of timely monitoring and other factors important in pest management decision-making including environmental, ecological, and sociological consequences.