

**Integrated Pest Management Methods for Home Vegetable Gardens  
Final Report  
October 29, 2007**

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COOPERATORS: Master Gardeners, Wasatch Community Garden clients, Salt Lake County Jail

SITUATION STATEMENT:

Locally and nationally, interest in non-chemical and organic farming and gardening methods are on the increase over the past several years. This grant provided education and tools to Master Gardeners and Wasatch Community Garden clients to learn about Integrated Pest Management principles. Outcomes are for participants to become aware of resources and techniques for managing home vegetable and fruit production using educate and implement these techniques, thereby reducing misuse and overuse of pesticides.

RESULTS

The majority of participants were in the Advanced Master Gardener trainings for 2007 in four separate counties: Davis, Utah, Salt Lake, and Tooele. Each class had between fifteen to twenty-five participants. Total number of participants was 100. All participants had at least a fundamental knowledge of pests and diseases from the introductory Master Gardener training. I taught 4 different Advanced Master Gardeners trainings for 2 hours each and have attached the PowerPoint slideshow. Originally, the intention was to distribute tools including floating row covers, kaolin clay, insecticidal soaps and other tools at these classes. I was unable to gather these materials prior to the presentations and will distribute them in the spring of 2008 to all those who are interested from these presentations.

I also introduced IPM to a group of six participants at Wasatch Community Gardens on August 21, 2007 for their workshop on Bug identification and Pest Management. I will follow up with these participants with tools and supplies to use in spring 2008 for their vegetable gardens.

A side note: Although not included in the proposal for the mini-grant, I introduced and used the PowerPoint on Vegetable IPM at the Salt Lake County Jail for a new certificate program with the Salt Lake County Sheriff's Vocation and Industries program. Eighteen out of twenty inmates graduated with a Utah Gardener Certificate based on the Master Gardener curriculum. This program converted a vacant three acre lot adjacent to the jail where the inmates applied their classroom learning to applied hands on production of over 19,000 lbs of produce. The objective was to grow the vegetables "organically" or without chemicals. The garden is irrigated by trickle drip tape, and only organic compost and fish emulsion were used as fertilizers. Pests control was utilizing IPM methods. I helped the inmates identify pests, much of their time was scouting and monitoring for pests, and management of pests was done with minimal cost or inputs: mineral oil, soapy water, and removal of pests or pest damaged plants.