

# NE-SARE Soilborne Pathogen Management Training Follow-up Survey

Dear Soilborne Pathogen Workshop Participant:

Within the past few years, you attended one of three day-long train-the-trainer workshops titled "Identification, Assessment and Management of Soilborne Plant Pathogens in Vegetable Production Systems in the Northeast". These in-depth day-long workshops were developed to train growers as well as agriculture service providers who interact most closely with the vegetable producers in the region, in diagnosing soilborne pathogen damage, conducting and interpreting bioassays for assessment and understanding integrated soilborne pathogen management options. As a reminder, the workshop locations and dates are listed below:

- \* 7 December 2011 The Connecticut Agricultural Experiment Station, Windsor, CT
- \* 20 March 2012 The Penn State Extension Lehigh Co. Office, Allentown, PA
- \* 22 March 2012 The Cornell Cooperative Extension Saratoga Co. Office, Ballston Spa, NY
- \* 28 January 2013 The Mid-Atlantic Fruit and Vegetable Convention, Hersey, PA
- \* 20 March 2013 The New York State Agricultural Research and Experiment Station, Geneva, NY

In conjunction with the workshop you received a three-ring resource binder which contained hardcopies of the PowerPoint slide presentations, general information about soilborne pathogens, a series of fact sheets and soil sampling and bioassay protocols as well as a CD containing these as electronic files.

We are now in the final year of this project and the project leaders (Beth Gugino, George Abawi, and Jim LaMondia) and Northeast Sustainable Agriculture Research and Education Program (NE-SARE), which funded these workshops, are interested in the extent to which you have been using this information either on your farm or in your extension/outreach programming. We are especially interested in how you have used the bioassays developed for estimating the infestation levels of soilborne pathogens. Please assist us completing this survey. The survey should take no longer than 20 minutes to complete. All the information you provide will be coded and remain confidential. We will only use data in aggregate form with all personal identification removed for any project reports and publications. Participation in the survey is voluntary and you can decline to answer any question(s) and withdraw from participation at any time. Participants who complete the follow-up survey will be eligible for a drawing to win a copy of *Managing Cover Crops Profitably* (3rd ed.) or other similar book published by SARE. Participants must be 18 years of age or older to participate. This survey is for research and will be used to improve the delivery and impact of future similar workshops.

Thanks again for attending the workshop and in advance for your help in documenting the impact of the presented workshops. For additional information or if you have any questions regarding this project you can contact the project leaders at any time.

Sincerely,

Beth Gugino (bkgugino@psu.edu, 814 865-7328)

George Abawi (gsa1@cornell.edu, 315 787-2374)

Jim LaMondia (james.lamondia@po.state.ct.us, 860 683-4982)

# NE-SARE Soilborne Pathogen Management Training Follow-up Survey

**1. Did you participate in the NE-SARE soilborne pathogen management training workshop as a:**

- Grower
- Extension educator/ other ag service provider (non-grower)

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## 2. Name (All information provided will remain confidential and only used in aggregate form):

## 3. We would like to know how and to what extent you have been able to incorporate the knowledge acquired during the training into the following:

	Almost never	Occasionally	Sometimes	Often	Don't Know
One-on-one interactions with growers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Newsletter articles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grower meetings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Field day(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Short course/special training	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please describe and indicate frequency):

## 4. Since participating in the train-the-trainer workshop, to what extent have you been able to do each of the following:

	Almost never	Occasionally	Sometimes	Often	Don't Know
Diagnose soilborne pathogen problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assess a field for soilborne pathogen problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recommend one or more management practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assess the benefits of employed management practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hold a training session/present a talk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please describe and indicate frequency)

**5. Have you used the hardcopy resources provided during the training in your subsequent programming and/or interactions with growers?**

- Yes
- No
- Not yet

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## 6. Please indicate the extent to which you have used the hardcopy resources provided during the training in your subsequent programming and/or interactions with growers.

	Almost never	Occasionally	Sometimes	Often	Don't Know
Printout of PowerPoint presentations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bioassay protocols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fact sheets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CD of electronic files	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Diagnostic photos provided	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please describe and indicate frequency):

## 7. Have you used the electronic resources provided during the training in your subsequent programming and/or interactions with growers?

- Yes
- No
- Not yet

# NE-SARE Soilborne Pathogen Management Training Follow-up Survey

**8. Please indicate the extent to which you have used the electronic resources provided during the training in your subsequent programming and/or interactions with growers:**

	Almost never	Occasionally	Sometimes	Often	Don't Know
Electronic PowerPoint presentations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fact sheets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Resource links	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please describe and indicate frequency):

**9. Please estimate the number of people that you reached with the knowledge and skills that you acquired as a result of your participation in our train-the trainer workshop?**

- 0
- 1 to 5
- 6 to 10
- 11 to 20
- 21 to 50
- 50 to 100
- over 100

If you know a specific number please list it here:

**10. Is there a specific grower(s) who you have worked with to identify and manage a soilborne disease problem that could serve as a case study to document the impact of this project?**

- Yes
- No

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**11. Please briefly describe the situation and provide contact information for the grower. One of the project directors will also contact you in the near future.**

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**12. Are there any other specific changes you have made to your programming or interactions with clientele as a result of attending this workshop?**

**13. Other general comments not captured in the previous questions?**

Thank you again for taking the time to complete this survey and for attending our workshop to learn more about the identification, assessment and management of soilborne plant pathogens in vegetable production systems. Please feel free to contact us if you have any questions.

George Abawi  
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Windsor, CT 06095  
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(860) 683-4982



**14. Name (all information provided will remain confidential and only used in aggregate form):**

## NE-SARE Soilborne Pathogen Management Training Follow-up Survey

Since participating in the workshop, to what extent have you been able to do each of the following:

### **15. Diagnose soilborne pathogen problems on your farm?**

- Yes
- No
- Not yet

## 16. What was the cause of the problem(s)?

- Rhizoctonia
- Fusarium
- Verticillium
- Phytophthora
- Sclerotinia (white mold)

Other (please specify)

## 17. For the pathogens selected in Q4, please answer the following.

On what crop(s)?

Approx. number of acres  
affected?

Estimate the economic loss  
(\$ as a result of the disease.

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Since participating in the workshop, to what extent have you been able to do each of the following:

**18. Assess a field(s) for soilborne pathogen problem(s) using soil bioassays presented during the workshop?**

- Yes
- No
- Not yet

**19. Implement a management practice(s) to manage soilborne pathogens?**

- Yes
- No
- Not yet

**20. Please select which management practice(s) you have newly implemented or have expanded their use on the farm.**

- Crop rotation
- Cover crops
- Biofumigant crops
- Seed treatment
- Variety selection

Other (please specify):

**21. For each of the management practices indicated please estimate the following:**

Approx. number of acres was   
each practice implemented  
on?

Estimate the cost of   
implementing each practice  
(s).

**22. Was the outcome of implementing management practice(s) beneficial?**

- Yes
- No
- Not sure
- Depended on the practice.

If needed, please explain.

## 23. What type of improvement was observed?

- Increased yield
- Improved plant health
- Reduced root disease

Other (please specify)

## 24. Estimate the economic gain (\$) as a result of managing the disease(s).

## 25. Have you used/referred to the hardcopy resources to help diagnosis and manage a root disease problem(s) on your farm?

- Yes
- No
- Not yet

## 26. Have you used/referred to the electronic resources provided during the training to help with the diagnosis and management of root disease(s) on your farm?

- Yes
- No
- Not yet

## NE-SARE Soilborne Pathogen Management Training Follow-up Survey

**27. Are there any other specific changes you have made to your production system as a result of attending this workshop?**

**28. Other general comments not captured in the previous questions?**

Thank you again for taking the time to complete this survey and for attending our workshop to learn more about the identification, assessment and management of soilborne plant pathogens in vegetable production systems. Please feel free to contact us if you have any questions.

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