

**INFORMATION DISSEMINATION**

11. Please name up to 5 people who you most commonly consult for advice on strawberry production.  
(Check **all** that apply to that person's profession. For example, for PCA's who are also growers, please check both boxes.)

Name (first and last)	Grower	PCA	Other consultant	UC	In-house company employee
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. From where do you get most of your technical knowledge?  
Please **RANK** the following in order of **most used: 1=most used resource**. Leave blank any that you do not use.

- \_\_\_\_\_ Fellow growers (friends/neighbors)
- \_\_\_\_\_ In-house company meetings and personnel
- \_\_\_\_\_ UC researchers and cooperative extension
- \_\_\_\_\_ Private crop/pest advisors
- \_\_\_\_\_ Public meetings (Strawberry commission, UCCE, etc)
- \_\_\_\_\_ Other agricultural consultants, please describe: .....
- \_\_\_\_\_ Books (Title, if applicable: .....
- \_\_\_\_\_ Pamphlets, please describe:.....
- \_\_\_\_\_ Online resources (**Check all that apply**)
  - Webinars
  - UC IPM
  - General search
  - Other: .....
- \_\_\_\_\_ Other sources, please describe:.....

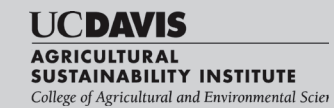
**Additional space for writing and comments:**

**Thank you very much!**

# Questionnaire on Managing Soilborne Diseases in Strawberries



**Research Project Sponsors:**



**For any questions, please contact:** Dr. Tom Gordon [trgordon@ucdavis.edu](mailto:trgordon@ucdavis.edu)

**Please return your complete questionnaire in the enclosed, pre-paid envelope to:**

**Dr. Tom Gordon**  
 University of California, Davis  
 Department of Plant Pathology  
 One Shields Avenue  
 Davis, CA 95616

# MANAGING SOILBORNE DISEASES IN STRAWBERRIES

Thank you for taking the time to respond to these questions. This is an informal questionnaire to understand the current challenges most important to growers, especially as it relates to production without soil fumigant chemicals. Please complete the survey below if you wish to be part of this research. Participation is completely voluntary. Please write as much as you like; there's additional space on page 4. **Your responses will help shape the current research and outreach programs.** All responses will remain anonymous.

## INTRODUCTION

- In what capacity do you work with strawberries? Please check **all** that apply.  
 Grower/manager    PCA    Consultant    Researcher    Other: .....
- Do you work with conventional or organic systems?    Conventional    Organic    Both
- How many acres of strawberries do you manage/advise? .....
- For berries you grow or advise, how do you sell them?    Direct to consumers    Through a shipper    Both    N/A
- In what county/counties do you work? .....
- How many years have you been working in strawberries? .....  
 Total years in agriculture? .....
- Did you fumigate in 2013?    Yes    No    Flat fumigation    Bed fumigation  
 Will you fumigate in 2014?    Yes    No    Flat fumigation    Bed fumigation

## SOILBORNE DISEASE MANAGEMENT

- Without soil fumigant chemicals, what is needed to improve disease management and berry production, at the industry, research and/or individual farm level?

- To manage soilborne diseases, what practices have you adopted or recommended? **Please answer for each section.**

	SECTION 1					SECTION 2		
	Always	Sometimes	Rarely	Never, but interested	Never, not interested	Please circle whether your answer applies to organic (O), conventional (C) or both (B)		
Chemical fumigants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crop rotation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anaerobic soil disinfestation (ASD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steam application (>3ac/day)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mustard seed meal application	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Routine cleaning of farm equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More selective land leases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoid lettuce and spinach rotations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduce sharing farm equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grow a broccoli rotation crop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shift acreage to non-fumigant reliant crops, like blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase production of organic acreage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sample soil for pathogens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, please describe below:								

- In the absence of chemical fumigants, what would alleviate the added risks and/or challenges to growing strawberries using new disease management strategies?

Please **RANK** in order of most influential to least. 1= most influential. Please leave blank any that you would not use.

- \_\_\_\_\_ Crop insurance
- \_\_\_\_\_ Cash incentives (ex. tax breaks, grants)
- \_\_\_\_\_ Higher price paid per flat
- \_\_\_\_\_ Fellow grower adoption
- \_\_\_\_\_ Evidence from research (written, presentations)
- \_\_\_\_\_ On-farm field trials and demonstrations
- \_\_\_\_\_ One-on-one advising & consulting with knowledgeable expert
- \_\_\_\_\_ New technology, describe: .....