



WISCONSIN UNIVERSITY OF WISCONSIN-MADISON

Organic Sweet Corn Pest Management Survey

1. In what year did you start or take over this farming operation? Year:
In what year did you start growing sweet corn? Year:

2. In what county and state is your farm located? County: State:

3. In 2017, how many total acres did you farm? acres
In 2017, how many of these acres were Certified Organic? acres
In 2017, how many acres of Organic sweet corn did you grow? acres

4. How frequently do you use the following insect management strategies on your farm?

Table with 5 columns: Strategy, Every year, Some years, Not currently using (but have before), Never used before. Rows include Resistant varieties, Fertility management, Crop timing, etc.

5. What are the most important sources you use to get information about organic insect management?

6. In 2017, did you plant multiple succession plantings of sweet corn? Yes No
If yes, how many successions did you plant? successions

7. In 2017, where did you sell your Certified Organic sweet corn? (Check all that apply)

- Direct-to-Consumer
- Farmers' Market
- CSA
- Farm stand
- Other direct-to-consumer
- Wholesale
- Processing
- Retail
- Direct-to-Retail/Institution
- Other: _____

8. In 2017, what varieties of sweet corn did you grow, and why did you select those varieties? _____

9. In the last three years, which of the following pests caused significant damage in your sweet corn? (For each pest, indicate which year(s) it caused significant damage.)

	2015	2016	2017
Aphid			
Armyworm			
Black cutworm			
Corn earworm			
Corn rootworm			
European corn borer			
Flea beetle			
White grub			
Wireworm			
Other: _____			
Other: _____			
Other: _____			

10. What proportion of your sweet corn ears had corn earworm damage...

In 2017? _____
In a "typical" year? _____

11. Do you perceive that corn earworm pressure has been changing over time?

- Earworm pressure has been increasing.
- Earworm pressure has been decreasing.
- Earworm pressure has been staying about the same.
- I'm not sure.

12. Do you do anything to manage for corn earworm on your farm? (e.g. monitoring, variety selection, spraying, post-harvest handling, etc.)

- Yes *(If yes, please continue with the survey.)*
- No *(If no, please stop the survey and return it in the envelope provided.)*

13. Do you make foliar spray applications of any organically-allowed insecticides (e.g. Bt, spinosad, pyrethrum, insecticidal virus) to control corn earworm? Yes No

If yes:

What kind of equipment do you use to make spray applications?

- Backpack sprayer
- Blast sprayer
- Boom sprayer
- Other: _____

In the space provided below, please list the insecticides you used to control corn earworm in 2017, the rate used, and the number of applications you made of each insecticide:

Insecticide:	Rate per acre:	# of applications:

Please estimate the total cost of:

The pesticides you applied: \$ _____
 Fuel and labor associated with application: \$ _____

14. Do you make direct silk applications of oils or other organically approved insecticides to control corn earworm? Yes No

If yes:

What specific materials do you apply? _____

What kind of equipment do you use to make direct silk applications?

- Zea-later
- Other: _____

How many direct silk applications did you make in 2017? _____ applications

Please estimate the total cost of:

The pesticides you applied: \$ _____
 Fuel and labor associated with application: \$ _____

15. Which of the following post-harvest handling strategies do you use to avoid sale of corn earworm-infested sweet corn? (Check all that apply.)

- Inspecting all ears for damage
- Inspecting ears for damage *only* when there is a known infestation
- Discarding damaged ears
- Cutting off damaged ear tips
- Other: _____
- None

16. Do you conduct any scouting or trapping to monitor for corn earworm? Yes No

If yes:

Did you alter your 2017 management practices based on information from scouting or trapping?

Yes No

How much did you spend on scouting and traps in 2017 (including labor)? \$ _____

17. Do you use any other management practices to control corn earworm on your farm?

Yes No

If yes, please briefly describe these practices and any associated time and costs: _____

18. For each of the markets (e.g. CSA, farmers' market, wholesale) in which you sell Certified Organic sweet corn, what is the maximum acceptable proportion of earworm-damaged ears?

Market	Proportion of ears damaged

19. Are any of the varieties you use especially resistant (or especially susceptible) to corn earworm?

Yes No

If yes, which varieties are they, and how do they perform? _____

20. If a new earworm-resistant sweet corn variety were available, to what extent would the following traits be an obstacle to you growing the variety on your farm?

	Significant obstacle	Possibly an obstacle	Not at all an obstacle	Not sure
Long husks (3+ inches past the ear tip)				
Poor tip fill (undeveloped kernels at the ear tip)				
Dark silks				

21. Would you be willing to speak with us for an interview about your corn earworm management practices? If so, please write your email address in the space below:
