

Default Question Block

As part of our Northeast SARE project "Improving nutrient and pest management in high tunnel production", we want to learn more about the practices you use and the challenges you face in your high tunnels. We plan to compare the results from this survey to one we did three years ago, at the start of the project.

Your responses will help us design our research & outreach programs to provide the best resources for improving nutrient and pest management in high tunnels. All responses will be kept confidential, and we greatly appreciate your time and input.

This survey may take 10-15 minutes of your time. As incentive for filling out the survey, you'll have the opportunity to be entered into a raffle to win some fabulous prizes: ****FREE REGISTRATION**** to the next High Tunnel Conference, a brand new copy of **The Greenhouse & Hoophouse Growers' Handbook**, or a **gift certificate for free high tunnel soil tests**.

- Becky Sideman and Heather Bryant - University of New Hampshire Extension
- Mark Hutton and Bruce Hoskins - University of Maine Extension
- Margaret Skinner and Cheryl Frank Sullivan - University of Vermont
- Eric Sideman - Maine Organic Farmers & Gardeners Association
- John Spargo - Pennsylvania State University



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University of New Hampshire
Cooperative Extension



PennState

The University of New Hampshire Cooperative Extension is an equal opportunity educator and employer. University of New Hampshire, U.S.

Department of Agriculture and N.H. counties cooperating.

During the past four years, in which of the following project activities have you participated?

As a reminder, the main project team consists of Margaret Skinner & Cheryl Frank Sullivan (UVM), Becky Sideman & Heather Bryant (UNH), Bruce Hoskins & Mark Hutton (UMaine) and Eric Sideman (MOFGA).

- 2016 High Tunnel Conference in Manchester NH
- 2018 High Tunnel Conference in Manchester NH
- Farmer-to-Farmer Roundtable Discussions on High Tunnel Growing (Edgewater Farm in NH, Johnny's Selected Seeds in ME)
- Twilight Meetings focused on High Tunnel Production & Research (several locations)
- Worked directly with project team member to solve a problem on your farm
- Watched a webinette or read a research report related to high tunnel IPM or nutrient management
- Attended a presentation by a project team member related to high tunnel IPM or nutrient management
- None of these
- Other (please specify):

Did you make any changes to your farming operation based on things you learned at project activities?

- Yes
- No

Please describe any changes you made (optional):

For the purposes of this survey, the term "high tunnels" will be defined as a polyethylene-covered structure with or without heating, electricity or mechanical ventilation.

Do you currently grow crops in high tunnels?

Yes

No

How would you describe yourself? Please check all that apply.

Commercial grower

Home gardener

Agricultural service provider (e.g. Extension, NRCS, etc.)

Researcher or educator

In which state are your high tunnel(s) located? Please check all that apply.

Maine

New Hampshire

Vermont

Massachusetts

Rhode Island

Connecticut

New York

Other (please write in 2-letter state code)

General High Tunnel Production Questions

How much of your high tunnel production is certified organic?

None

Some (specify percentage):

All

How many high tunnels do you currently use for crop production?

What is the total number of square feet of high tunnel space that you use for crop production?

Please write in square footage, or check range below:

- less than 1,000 square feet
- 1-10,000 square feet
- 10-25,000 square feet
- More than 25,000 square feet
- If possible, write in actual square footage:

Which crops do you grow in high tunnels, and at what time(s) of year? Please check all that apply.

	Spring	Summer	Fall	Winter
Tomato	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pepper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greens (spinach, lettuce, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cucumber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Eggplant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cut flowers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetable transplants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ornamentals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Raspberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strawberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Spring	Summer	Fall	Winter
Other (please specify): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Spring	Summer	Fall	Winter

Pest & Disease Management Questions

High Tunnel Pest & Disease Management Questions

Which of the following **pest and disease problems** have you experienced in your high tunnel production?

	None	Mild	Moderate	Severe	Don't Know
Aphids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Two-Spotted Spider Mite	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Broad Mite	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Russet Mite	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thrips	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Whiteflies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tomato Hornworm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	None	Mild	Moderate	Severe	Don't Know
Yellow-Striped Armyworm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spotted Wing Drosophila	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Striped Cucumber Beetle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other insect/arthropods (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other insect/arthropods (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tomato leaf mold (Fulvia)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Powdery mildew	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	None	Mild	Moderate	Severe	Don't Know

	None	Mild	Moderate	Severe	Don't Know
Gray mold (Botrytis)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spinach downy mildew	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Basil downy mildew	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lettuce downy mildew	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tomato viruses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cucurbit viruses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other diseases (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	None	Mild	Moderate	Severe	Don't Know
Other diseases (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Voles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other pests (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unidentified but recurring problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the past year, how often did you apply the following types of pesticides in **at least one high tunnel**?

Restricted use pesticides can only be purchased and used by licensed pesticide applicators, and **general use pesticides** can be purchased and used by non-licensed applicators and the general public.

	Never	1-3 times	4-9 times	more than 10 times
Insecticide - general use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fungicide - general use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Herbicide - general use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insecticide - restricted use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fungicide - restricted use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Herbicide - restricted use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following **pest or disease management practices** do you use in your high tunnels? Please check all that apply.

- Routine scouting
- Use of sticky cards
- Pest/disease identification by farm staff
- Pest/disease identification by Extension specialist or commercial scout
- Plant disease (pathogen) test kits (such as immunostrips)
- Biorational pesticides (such as soap, oil, potassium bicarbonate, etc.)
- Microbial insecticides (such as Bt, insect-killing fungi, etc.)
- Microbial disease control products (such as Trichoderma, Bacillus, etc.)
- Pesticides with low toxicity to non-target organisms
- Preventative pesticide treatments
- Spot pesticide treatments
- Predators (such as lady beetles, predatory mites, etc.)
- Parasites (such as parasitic wasps or flies, etc.)
- Beneficial nematodes
- Indicator or trap plants (such as marigolds for thrips, beans for spider mites)
- Aphid banker plants
- Habitat or guardian plants (flowering plants to attract beneficials)
- Resistant or less susceptible crop varieties
- Good airflow and ventilation
- Screening vents to exclude pests
- Weed-free environment
- Sanitize soil or use new media
- Crop rotation
- Fallow periods between crops
- Other (please specify):
- Other (please specify):

How much do you agree with each of the following statements about **biological control agents of insect pests (parasites, predators, nematodes, etc.)**?

Agree
Strongly

Agree
Somewhat

Don't know/
Neutral

Disagree
Somewhat

Disagree
Strongly

	Agree Strongly	Agree Somewhat	Don't know/ Neutral	Disagree Somewhat	Disagree Strongly
Biological controls are effective and reliable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biological controls have a good shelf life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have a good supplier for biological controls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biological controls are too expensive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I need to know more about how or when to use biological controls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Agree Strongly	Agree Somewhat	Don't know/ Neutral	Disagree Somewhat	Disagree Strongly
Customers like the idea that I am using biological controls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biocontrols are not compatible with chemical pesticides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customers have low tolerance for damage or pests on produce	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biocontrol agents are not readily available	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consumers do not want chemical pesticides on the produce or plants they buy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What resources or information would help you to improve your management of **insect and disease pests** in high tunnels?

	Not needed	Somewhat helpful	Very helpful
Biological control guidelines for high tunnels in our region	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scouting methods for specific pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identification tools for diseases and pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pest and disease identification service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not needed	Somewhat helpful	Very helpful
	Not needed	Somewhat helpful	Very helpful
Information on pesticide/biocontrol compatibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lists of pest-resistant plant varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pest/disease biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spray application methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Not needed	Somewhat helpful	Very helpful
Degree-day monitoring information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action thresholds (when to act)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cost/benefit analyses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Web-based pest management information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Fertility and Crop Management Questions

High Tunnel Fertility & Crop Management Questions

How often do you use each of the following **nutrient management practices** in your high tunnel(s)?

	More than once per year	Once per year	Every other year	Once every 3 or more years	Never
Field soil test	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soluble salts test	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Saturated media extract (SME) test	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plant leaf tissue analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Petiole sap testing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Removing plastic covering to leach salts from soil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	More than once per year	Once per year	Every other year	Once every 3 or more years	Never
Irrigation to leach salts from soil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Re-mix beds before planting each crop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	More than once per year	Once per year	Every other year	Once every 3 or more years	Never

Which **sources of fertility** do you use in your high tunnel(s)?

	None	A little	Mostly	Entirely
Synthetic granular fertilizers (e.g. 10-10-10, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Synthetic soluble fertilizers (e.g. 15-5-15 Ca Mg, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic fertilizers (e.g. 5-3-4, soybean meal, sul-po-mag, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic liquid fertilizers (e.g. fish emulsion, seaweed emulsion, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compost made on-farm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	None	A little	Mostly	Entirely
Compost made off-farm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Animal manures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

High Tunnel Tomato Crop Management Questions

HighTunnel Tomato Management Questions

Which of the following statements apply to your **high tunnel tomato production**? Check all that apply.

- Plants are grown in the soil (or in-ground)
- Plants are grown in containers or bags
- Some or all fertilizers are applied before planting
- Some or all fertilizers are applied through irrigation (fertigated)
- Some or all fertilizers are applied in side-dress applications during the season
- Irrigation is done by hand-watering, or overhead application
- Irrigation is done using drip irrigation or emitters
- Irrigation is scheduled with a timer
- Irrigation is determined by the feel of soil/media
- Irrigation is guided by the use of a tensiometer or other soil moisture meter

Of all the high tunnel tomatoes that you grow, what proportion fall into each of the following categories?

	None	less than 25%	26-75%	more than 75%	All
Heirloom varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Modern field varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Modern greenhouse varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Indeterminate varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cherry tomato varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grafted tomatoes (any variety)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following **FRUIT problems** have you experienced in your high tunnel tomato production?

	How often has this happened?				When it occurred, do you think that it reduced marketable yields?	
	Never	Some years	Most years	Always	Yes	No
Yellow shoulders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal white tissue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	How often has this happened?				When it occurred, do you think that it reduced marketable yields?	
	Never	Some years	Most years	Always	Yes	No
Uneven ripening	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blossom end rot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fruit cracking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insect damage to fruit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following **PLANT GROWTH problems** have you experienced in your high tunnel tomato production?

	How often has this happened?				When it occurred, do you think that it reduced marketable yields?	
	Never	Some years	Most years	Always	Yes	No
Lack of vigor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too much vigor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leaves off-color	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Documented nutrient deficiencies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor fruit set	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fruit drop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor yields	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foliar or leaf diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soilborne or root diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Never	Some years	Most years	Always	Yes	No

How much do you agree with each of the following statements about your **high tunnel tomato fertilization and irrigation** program(s)?

	Agree Strongly	Agree Somewhat	Don't Know/ Neutral	Disagree Somewhat	Disagree Strongly
My fertilization plan results in high yields	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My fertilization plan results in high quality fruit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My fertilization plan meets the plants' nutrient needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My fertilization plan is easy to implement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Only the amount of nutrients needed is applied	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soluble salts have increased over time in my tunnel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is hard to find the fertilizers that I want to use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident in calculating fertilizer rates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My irrigation methods result in high yields	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My irrigation methods result in high quality fruit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My irrigation methods are easy to use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Last year, what was your **average total yield (pounds of marketable fruit per plant)** from your high tunnel tomatoes?

- below 5 lbs per plant
- 6-10 lbs per plant
- 11-15 lbs per plant
- 16-20 lbs per plant
- over 20 lbs per plant
- I don't know

What information or resources would help you improve your crop fertility management in your high tunnels?

	Not needed	Somewhat helpful	Very helpful
Information on how to interpret high tunnel soil tests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local guidelines for high tunnel fertility management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Guidelines for use of specific sources of fertility (e.g. composts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Strategies to manage soluble salts levels in high tunnels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information on how to identify nutrient deficiencies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information on managing irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input style="width: 150px; height: 15px;" type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify): <input style="width: 150px; height: 15px;" type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Not needed	Somewhat helpful	Very helpful

Thinking specifically about information that would help you improve how you manage pests, diseases and crop and soil fertility, what way(s) would you want to access this information?

(Check all that apply)

- Written fact sheets (accessible online)
- Twilight meetings at research or farm sites
- Workshops and conferences
- Full-length webinars (typically 30m-1hr)
- Short instructional videos or "webinettes" (5-10 minutes max)
- Other (please specify):

We plan to make the High Tunnel Conference, first run in 2016, an ongoing event held every other year. If you have suggestions for topics and/or speakers for the 2020 High Tunnel conference please list them below.

Lastly, do you have any additional thoughts on how we can help you with your high tunnel production?

Block 4

Thank you for your time and input! Would you like to be entered into the raffle to win a prize?

- Yes
- No

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