



Produce Safety
ALLIANCE



Produce Safety Alliance Annual Trainers & Lead Trainers Update



October 29, 2024



Welcome!

- **All participants are muted**
- **There will be time for questions and discussion throughout the meeting**
 - Please use Q&A or chat, or raise hand to be unmuted
- **This session will be recorded, and the presentation will be shared via the listserv and on our website after the call**
- **Today we will share links to a lot of resources – this list will be shared after the call!**

Agenda

- PSA Priorities
- Training Metrics
- FDA Updates
- Trainer Resources
- General Resources
- PSA GT and TTT Updates
- Spanish-language Efforts
- Policy Updates & Reminders
- PSA Trainer Discussion
- Update on PSA Funding
- Team Updates





Produce Safety Alliance Priorities

- Ensure growers, packers, regulatory inspection personnel, and extension educators have access to accurate, high-quality training to meet PSR requirements
- Support PSA Trainers with professional development, mentoring, and information so they can actively engage in PSA GTs and respond to questions
- Build and maintain effective relationships and networks to understand needs, evolving research, and changing industry practices so we can nimbly develop new materials, keep constituents informed, and keep the implementation of produce safety practices moving forward.



PSA Training Milestones

Overall Stats

Sept. 2016 – Sept. 30, 2024

98,262 Grower Training Participants

3,830 Train-the-Trainer Participants

Train-the-Trainer Courses

Domestic

- 111 Train-the-Trainer Courses
- 2,240 Trainers
- 304 Lead Trainers

International

- 32 Train-the-Trainer Courses
- 973 Trainers
- 233 Lead Trainers

Grower Training Courses

Domestic

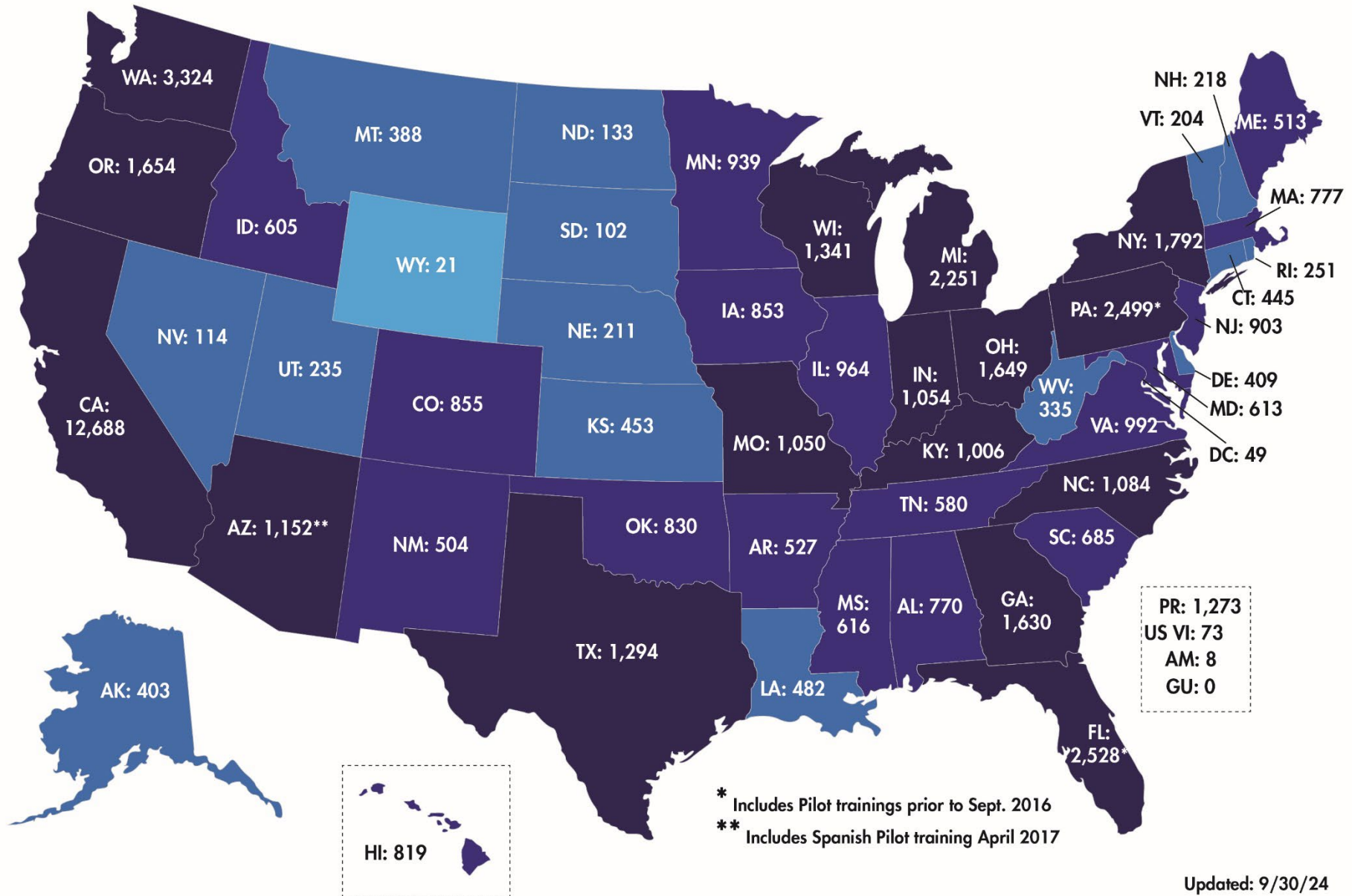
- 3,100 Grower Training Courses
- 57,805 Grower Participants

International

- 1,689 Grower Training Courses
- 40,457 Grower Participants

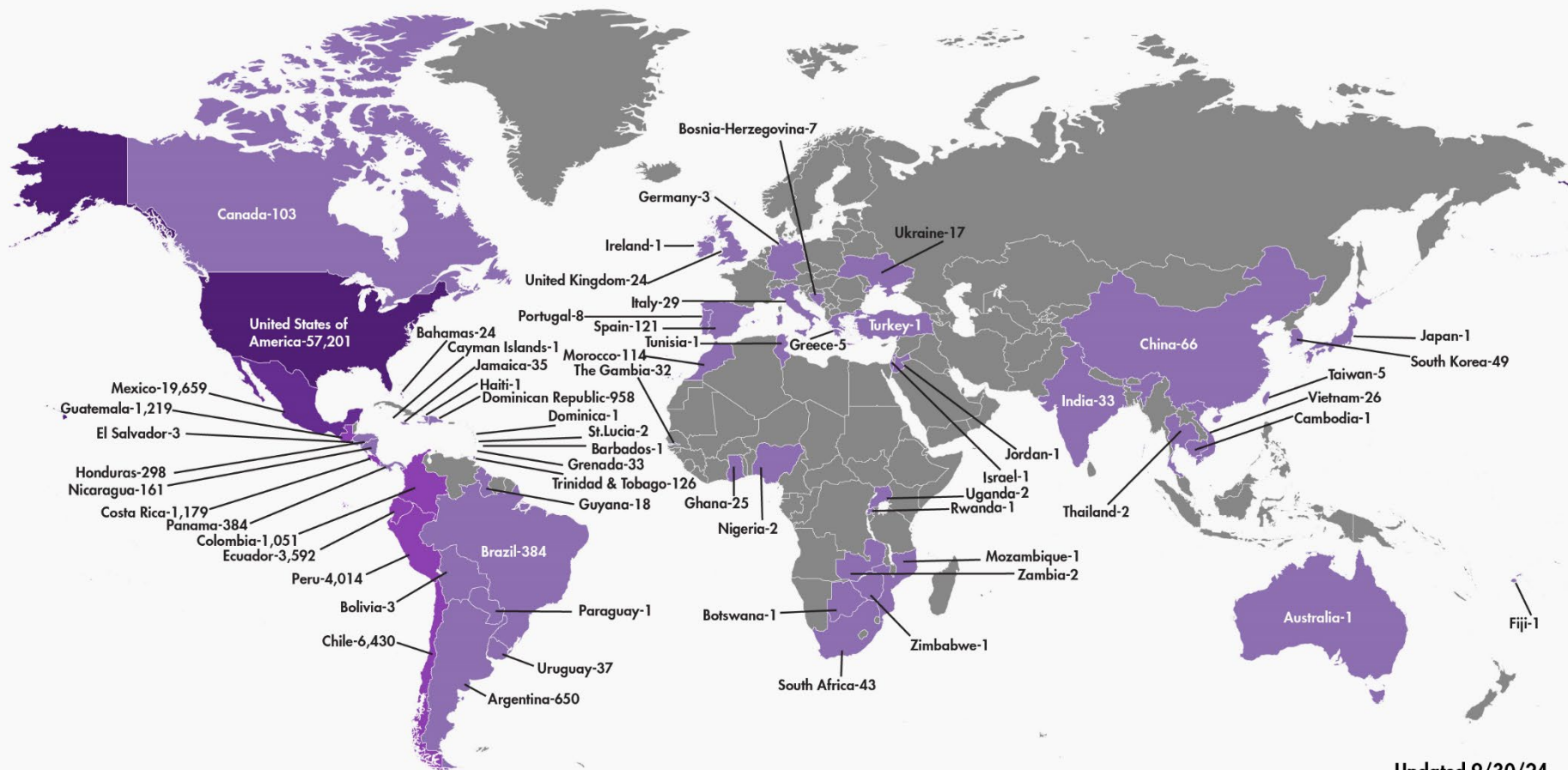
Nationwide Produce Safety Alliance Grower Training Course Participants

Locations of Participants Through September 2024 (In-Person, Remote, and Online Deliveries)



Produce Safety Alliance Grower Training Course Participants

Locations of Participants Through September 2024 (In-Person, Remote, and Online Deliveries)



Updated 9/30/24



PSA's Data Sharing Policy

- Quarterly reports are produced which include state and country breakdown of courses and participants
 - Most recent report available through Sept. 30, 2024
- PSA and AFDO do not share contact information for course attendees or evaluation reports with anyone, but the Lead Trainer(s)/Trainer(s) involved in the course
 - This is to protect the privacy of course participants and to ensure that fear of ending up on a “list” does not prevent growers from attending the PSA GT to receive the education they need

The screenshot shows the Cornell CALS Produce Safety Alliance website. The header includes the Cornell CALS logo and navigation links for TRAINING, PSA CURRICULUM, RESOURCES, FOOD SAFETY MODERNIZATION ACT, THE ALLIANCE, CONTACT US, and PSA EN ESPAÑOL. The main content area is titled "Graphical Reports and Distribution List" and features a "Training Report Distribution List" form. The form includes a text box for "Name *" and "Email Address *". To the right of the form is a list of training resources: Grower Training Course, Train-the-Trainer Course, Advanced Trainer Workshop, Trainer Directory, and Trainer Resources.



PSA Trainer Directory

- Reminder that this directory only includes trainers who want to be listed publicly
- ‘Active trainer’ column has been added
- Did you change jobs? Change states?
 - **Please update your entry with any changes!**

Produce Safety Alliance Trainer Directory

- Trainers listed in this directory have attended a [Produce Safety Alliance Train-the-Trainer Course](#), and have agreed to be publicly listed in this directory.
- For a total number of trainers in your state, region, or country, please refer to our most recent [quarterly training report](#) as some trainers choose to not be listed in the directory or are not actively training.
- In the “Active Trainer” column below, a “Yes” indicates that the person listed has participated as a Trainer in a PSA Grower Training Course within the past 2 years.
- For trainers, please use the [Update my Entry form](#) to request a listing update or to be added to this directory.
- View information about our trainer types: [PSA Trainer and PSA Lead Trainer](#), [PSA Trainer-of-Trainers \(ToT\)](#).

Search Options

First Name Last Name Business

Select a Language Select a State Select a Country Select a Trainer Type

Total results found in the Trainer Directory: 34
Database last updated on: 10/10/2023

Name	Business	Location	Trainer Type	Languages	Active Trainer
Laura Acuña-Maldonado Phone: 607-882-5635 Email: lea6@cornell.edu	Produce Safety Alliance	New York United States	ToT	English, Spanish	Yes
Elizabeth Bihn Phone: 315-787-2625 Email: eab38@cornell.edu	Produce Safety Alliance	New York United States	ToT	English	Yes





Updated Inflation-Adjusted Values

All PSA Trainers should be aware of these changing values so they can share with PSA GT participants!

Inflation adjustments apply to:

- \$25,000 produce sales threshold, determines if covered farm
 - \$31,925 3-year average for 2021-2023
- \$500,000 total food sales threshold for qualified exemption eligibility
 - \$638,491 3-year average for 2021-2023
- These are updated annually in March/April

Business size class cut-offs are NOT inflation adjusted



FSMA Traceability Rule (FSMA 204)

- Traceability is its own rule under FSMA; it is not part of the Produce Safety Rule
- Compliance date for **all covered operations** is **Jan 20, 2026**
- PSA has a set of supplemental slides on the FSMA Traceability Rule, can be incorporated into Module 7
 - Food Safety Preventive Controls Alliance (FSPCA) is developing a Food Traceability Rule core curriculum
- PSA is participating in multiple industry groups focused on traceability to remain engaged
 - Anticipate some new educational materials within the next year



Pre-Harvest Agricultural Water Requirements Have Changed

- FDA published a revision to Subpart E – Agricultural Water on May 06, 2024 (QR code and URL below)
 - <https://www.fda.gov/food/food-safety-modernization-act-fsma/fsma-final-rule-pre-harvest-agricultural-water>
- The revised Subpart E moves from **reliance on testing pre-harvest water for decision making** to an **agricultural water assessment of the whole water system**
- The expectation is that each grower understand their water quality and how their water management practices minimize risks to the crops they grow.
 - **Should be prepared to explain during inspectional visits**





FDA Revised Subpart E Compliance Dates

- For pre-harvest agricultural water requirements for covered produce other than sprouts (Module 5: Part I)

Business Size	<u>Pre-harvest</u> Agricultural Water Related Compliance Dates
All other businesses (>\$500K)	April 7, 2025
Small businesses (>\$250K-500K)	April 6, 2026
Very small businesses (>\$25K-250K)	April 5, 2027



FDA Subpart E Compliance Dates

- FDA began enforcement for harvest and postharvest agricultural water requirements (Module 5: Part II) one year after the applicable compliance dates

Business Size	<u>Postharvest</u> Agricultural Water Related Enforcement Dates
All other businesses (>\$500K)	January 26, 2023
Small businesses (>\$250K-500K)	January 26, 2024
Very small businesses (>\$25K-250K)	January 26, 2025



Trainer Resources: All Things Ag Water!

- Released *Revised Module 5-1* in response to new Subpart E
 - Includes the PPT and supplemental PDF handouts with teaching notes
 - Updated PDF files for commercial printing
 - PSA GT Manual Interactive PDF
 - Available in English, Spanish, and Chinese
 - Korean and Portuguese not updated



26—Agricultural Water

34

§ 112.43(a) "Elements of an agricultural water assessment ..."

(2) Agricultural water practices associated with each agricultural water system, including the type of direct application method (such as foliar spray or drip irrigation of covered produce growing underground) and the time interval between the last direct application of agricultural water and harvest of the covered produce."

Element: Agricultural Water Use Practices

- Agricultural water use practices can affect whether hazards, if present in the water, make contact with or survive on covered produce

Use practice	Contact or survival	Contact or survival less likely
Overhead irrigation or total (above-ground) system	Substrate drip, furrow, flood, or surge irrigation (depending on crop type)	Substrate drip, furrow, flood, or surge irrigation (depending on crop type)
Close to harvest	Close to harvest	Close to harvest

This interval between direct application and harvest.

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Additional Resources:

- FDA (2024). FSMA Final Rule on Pre-harvest Agricultural Water: Factors for Agricultural Water Assessment to Consider available at: <https://www.fda.gov/media/178227/download/attachment>

35

§ 112.43(a) "Elements of an agricultural water assessment ..."

(3) Crop characteristics, including the susceptibility of the covered produce to surface adhesion or internalization of hazards;

(4) Environmental conditions, including the frequency of heavy rain or extreme weather events that may impact the agricultural water system (such as by stirring sediments) or covered produce (such as damage to edible leaves) during growing activities, air temperatures, and sun exposure ..."

Element: Crop Characteristics and Environmental Conditions

- Crop characteristics can affect whether hazards stick to (or get internalized by) produce
- Environmental conditions can affect survival

Characteristics or conditions	Adhesion, internalization, or survival more likely	Adhesion, internalization, or survival less likely
Rough texture	Smooth, waxy texture	Smooth, waxy texture
Large surface area	Small surface area	Small surface area
Clear to ground	Higher from ground	Higher from ground
Overlapping or overlapping	Dispersed	Dispersed
Low surface area	High surface area	High surface area

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Additional Resources:

- FDA (2024). FSMA Final Rule on Pre-harvest Agricultural Water: Factors for Agricultural Water Assessment to Consider available at: <https://www.fda.gov/media/178227/download/attachment>

Notes:

Produce Safety Alliance Grower Training Course • Version 1.2a • © 2024



Additional Pre-Harvest Water Trainer Resources

- Supporting PSA Trainers as they learn new Subpart E
 - Educators' calls presenting and discussing the *Revised Module 5-1*
 - Updated PSA Train-the-Trainer (TTT) Office hours recordings
 - Updated PSA TTT Critical Concepts
- Currenting updating all resources that have old Subpart E information
 - Any resources updated after May 2024 have incorporated Revised Subpart E
 - **Note: Check revision dates!**





PSA Subpart E Activities: Grower Focused Efforts

- Scheduling remote *Revised Module 5-1* trainings for the 98k+ PSA GT participants who have been trained prior to release of revised Subpart E
 - 2-hour blocks for real time delivery and questions
 - Scheduled to catch all US time zones
 - Planning 10 sessions to begin (6 English; 4 Spanish)
- Video with full delivery of *Revised Module 5-1* coming soon so all past participants will have 24-7 access



PSA Subpart E Activities: Grower Focused Efforts

New materials to support record keeping :

- ❖ Agricultural Water Systems Inspection
- ❖ Agricultural Water Assessment

Developing new materials to support understanding and implementation:

- ❖ Scenarios with images and videos
- ❖ Flowcharts
- ❖ Fact sheets

Agricultural Water System Inspection Record Template (1 of 2)
§§ 112.42(a)(1-5) Requirements Relating to Agricultural Water Source or System

Name and address of farm: _____
Date and time of inspection: _____ Name and Initials: _____

Agricultural Water System Inspection Record Template (2 of 2)
§ 112.50(b)(1) Findings of Annual Agricultural Water System Inspection
Also addresses §§ 112.42(b-d) for routine monitoring (documentation not required)

Date, time, and type of monitoring		Water Source and/or Distribution System	Observations	Actions Taken	Initials
Annual 5/20/24	7:05 AM	Pond #1	Berm along northwest edge of pond shows signs of disrepair	Berm reinforced with riprap and additional fill	EAB
Routine 6/22/24	9:00 AM	Pond #1	Significant geese presence	Scared geese until they left, introduced swan decoys. Will monitor	EAB



Reminder of Important Trainer Resources

PowerPoint Access

Check Updates on the Trainer Update Page

- <https://cals.cornell.edu/produce-safety-alliance/training/psa-trainer-updates>
- Also includes Trainer Email Updates dating back 12 months

Updated Trainer set-up guides and checklists

- Updated checklists for hosting remote GT Courses
- <https://cals.cornell.edu/produce-safety-alliance/training/trainer-resources>

Produce Safety Alliance Grower Training Checklist: Remote Delivery Courses

The PSA Lead Trainer(s) listed on the course registration will be accountable for ensuring all PSA policies are followed and the steps outlined below are completed.

PSA reserves the right to suspend or revoke PSA Lead Trainer status if the following policies and protocols are not followed.

This document has been developed as a quick checklist as you prepare to host a Remote PSA Grower Training Course. For additional details of setting up a training, see the "[PSA Grower Training Guide to Setting Up Courses](#)".

1. Plan Your Training Logistics

- Training Dates(s): _____
- Training Platform (Zoom, Web-X, Microsoft Teams etc.): _____
- Training Cost: _____
- Trainer(s): _____
- Length of Training and Agenda:
 - Start Time: _____
 - End Time: _____
- Host and participant access to
 - Reliable internet
 - Functional computer, tablet, phone, or any other audio and video supporting device
 - PSA Grower Training manual

Note - If the demographic you are targeting has limited access to broadband, video and audio supporting devices, an in-person grower training is the best option. For more information see: [Technology requirements for an optimal experience](#)

2. Visit the AFDO Website to Register a PSA Grower Training Course


- Fill out the [PSA Grower Training Course Registration Form](#) at least 2-3 weeks in advance
- Submit registration form and receive approval from AFDO to host the course, along with required course documentation



Visit the FDA Web Page for Updated Resources

 An official website of the United States government [Here's how you know](#) ▾



 Search

 Menu

[← Home](#) / [Food](#) / [Guidance & Regulation \(Food and Dietary Supplements\)](#) / [Food Safety Modernization Act \(FSMA\)](#) / [FSMA Final Rule on Pre-Harvest Agricultural Water](#)

FSMA Final Rule on Pre-Harvest Agricultural Water

Direct link



Updated resources include:

- Fact Sheet on the Final Rule
- Factors for Agricultural Water Assessment to Consider
- Agricultural Water Assessment Builder version 2
- Corrective and Mitigation Measures for Pre-harvest Agricultural Water for Non-Sprout Covered Produce
- Annual Agricultural Water Assessments and Risk-Based Outcomes



Produce Safety Educators' Groups: English and Spanish

- Open to the public; do not have to be a PSA Trainer to join
- Available in English and Spanish
 - Occasionally topics overlap, but not always
- Recordings available on PSA websites
- Always interested in your ideas for topics and presenters!
- With new funding, webinars will be hosted more regularly



English Educators'
Group sign-up

Spanish Educators'
Group sign-up





General Resources

Cornell **CALS** College of Agriculture and Life Sciences

Produce Safety Alliance

- TRAINING - PSA CURRICULUM - RESOURCES - FOOD SAFETY MODERNIZATION ACT - THE ALLIANCE - CONTACT US - PSA EN ESPAÑOL

HOME

General Resources

Recursos en español

Trainer Resources

Farm Food Safety Plan

Writing Resources

Produce Safety Educators' Group

Resources

Course Set Up

- ▲ [Register a PSA Grower Training with AFDO](#) - Courses must be registered at least 2 weeks in advance of the training date.
- ▲ [PSA Grower Training Course Agenda Template](#)
- ▲ [PSA Grower Training Course Set Up Guide](#)
- ▲ [PSA Grower Training Course Checklist](#)
- ▲ [PSA Grower Training Course Template Language for Advertising](#)

<https://cals.cornell.edu/produce-safety-alliance/resources>

Resources

[General Resources](#)

[Recursos en español](#)

[Trainer Resources](#)


[More Than Words illustrations](#)

[Farm Food Safety Plan](#)

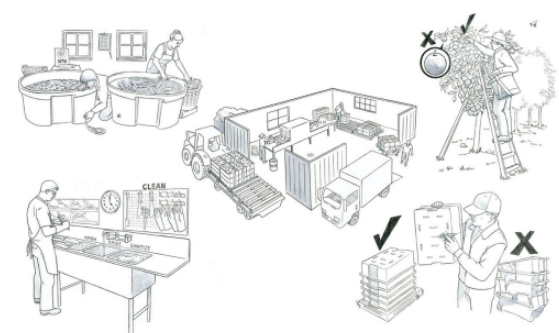


'More than Words' illustrations

- Now available in English and Spanish
- Illustrations can still be downloaded individually, as well as a single PowerPoint file and PDF file containing all illustrations and teaching notes



More than Words Project
A toolkit for illustrating produce safety practices



Authors: Ms. Donna Clements, Dr. Laurie George, Ms. Gretchen Wall, Dr. Laura Acuña-Maldonado, Dr. Mariana Villarreal Silva, Dr. Elizabeth Bihn
Illustrator: Ms. Anni Matsick
Funding Acknowledgement: This resource is supported by the Food and Drug Administration (FDA) of the U.S. Department of Health and Human Services (HHS) as part of an award totaling \$109,346.00 received from National Farmers Union with 100 percent funded by FDA/HHS. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement, by FDA, HHS, or the U.S. Government. For more information, please visit FDA.gov.
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List of Postharvest Water Resources

- List of resources to help farms and regulators prepare for inspections

Resources Related to Food Safety Modernization Act (FSMA) Produce Safety Rule (PSR) Requirements for Agricultural Water Used During Harvest and Postharvest (21 CFR 112 Subpart E)

The Produce Safety Alliance (PSA) compiled the following list of resources to support farms and regulatory authorities as they prepare for inspections covering the requirements of the FSMA Produce Safety Rule Subpart E, related to agricultural water used during harvest and postharvest. This list does not include requirements for pre-harvest water, or those that are outside of Subpart E.

This list is not comprehensive. Resources in this list highlight data, science, or best practices that assist with FSMA Produce Safety Rule compliance. Additional resources are available in many of the topic areas.

General information about regulatory requirements, compliance, and enforcement

- ▲ U.S. Food and Drug Administration 2015. [Standards for the Growing, Harvesting, Packing, and Holding of Produce for Human Consumption](#). (Final Rule).
 - ▲ *Includes codified language and explanations of current thinking written in the preamble.*
- ▲ U.S. Food and Drug Administration 2019. [Standards for the Growing, Harvesting, Packing, and Holding of Produce for Human Consumption; Extension of Compliance Dates for Subpart E](#).



PSA EPA-Labeled Sanitizers for Produce Web Tool

- Tool was designed as a resource to help produce growers (and those who support them) review and select sanitizers based on their EPA label
 - Originally released in 2017 as an Excel file; limitations on usability
- Adapted the resource into a web tool
- Available in English and Spanish

Total results found: 105

Type to search (e.g., product name, active ingredient)

Compare Reset

Compare	Product Name	Name on EPA Master Label	Active Ingredient (% Strength)	EPA Master Label Details							Product Information				
				EPA Registration Number	Labeled Use Info Based on Version Date	Preharvest Labeled Uses	Postharvest Labeled Uses			Efficacy Statement	Organic Materials Review Institute (OMRI) Listing	Quantity Purchasable per EPA Label	Manufacturer/ Distributor	Notes	
<input type="checkbox"/>	Aqchlor 310	Aqchlor 310	Sodium hypochlorite (12.5%)	2792-62	5/23/12	No	Labeled For Use on Irrigation Water Systems	Labeled For Use on Non-Porous Food Contact Surfaces	Labeled For Use on Postharvest Water Distribution Systems	Labeled for Use in Fruit and Vegetable Wash Water	Labeled to Control Human Pathogens	Not listed	Gallons: 55	Decco US Post-harvest, Inc.	None
<input type="checkbox"/>	Alpet D2 Surface Sanitizer	Alpet D2	Isopropyl Alcohol (58.6%); Quaternary Ammonium (0.0075%; see label)	73232-1	4/21/20	No		Yes, see page 6	No	No	For Food Contact Surfaces	Not listed	Information not available	Best Sanitizers, Inc.	None
<input type="checkbox"/>	Alpet D2 Quat-Free Surface Sanitizer	Alpet D2 Quat-Free Surface Sanitizer	Ethanol (82.5%); Isopropanol (7.5%)	73232-4	8/16/21	No		Yes, see page 5	No	No	For Food Contact Surfaces	Allowed with restrictions	Information not available	Best Sanitizers, Inc.	None
<input type="checkbox"/>	Anthium Dioxide	Anthium Dioxide	Chlorine dioxide (5.0%)	9150-2	4/8/20	Yes, see page 22	Yes, see page 23	Yes, see page 12	Yes, see page 9	No	Not listed	Information not available	International Dioxide, Inc.	None	
<input type="checkbox"/>	Antimicrobial Fruit & Vegetable Treatment	Antimicrobial Fruit and Vegetable Treatment	Lactic Acid (17.3%); Quaternary Ammonium (1.2%; see label)	1077-234	10/31/17	No	No	No	Yes, see page 6	For Washing Fruits and Vegetables	Not listed	Ounces: 4, 64, 95 Gallons: 1, 2.5, 4	Ecolab, Inc.	None	



PSA EPA-Labeled Sanitizers for Produce Web Tool

- Updates include:
 - Addition of product labels, when available
 - More accurate in identifying labeled uses for each sanitizer product
 - Hyperlink to manufacturer/distributor contact information
 - Search bar
 - Compare function
- Includes recorded video tutorial

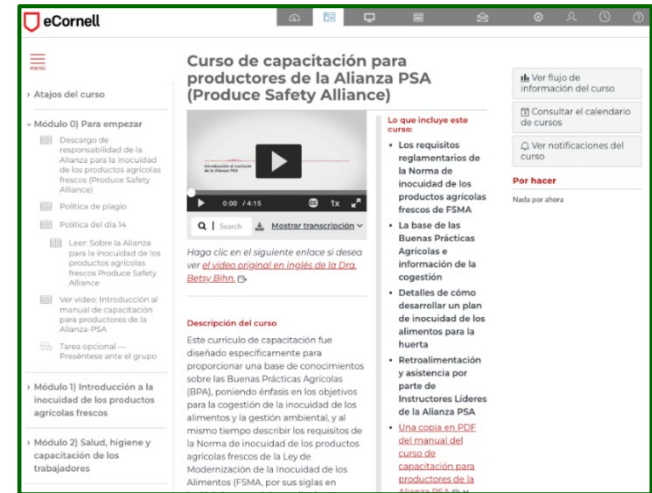
Total results found: 105

				EPA Master Label Details						
				EPA Master Label		Preharvest Labeled Uses	Postharvest Labeled Uses			Efficacy Statement
Compare	Product Name	Name on EPA Master Label	Active Ingredient (% Strength)	EPA Registration Number	Labeled Use Info Based on Version Date	Labeled For Use in Irrigation Water Systems	Labeled For Use on Non-Porous Food Contact Surfaces	Labeled For Use on Postharvest Water Distribution Systems	Labeled for Use in Fruit and Vegetable Wash Water	Labeled to Control Human Pathogens
<input type="checkbox"/>	Agchlor 310	Agchlor 310	Sodium hypochlorite (12.5%)	2792-62	5/23/12	No	Yes, see page 7	No	Yes, see page 7	No
<input type="checkbox"/>	Alpet D2 Surface Sanitizer	Alpet D2	Isopropyl Alcohol (58.6%); Quaternary Ammonium (0.0075%, see label)	73232-1	4/21/20	No	Yes, see page 6	No	No	For Food Contact Surfaces



Online PSA Grower Trainings

- Spanish Online PSA Grower Training Course **Launched**
 - 3-week, asynchronous, instructor-assisted
 - 14-day requirement that participants submit at least one discussion
 - **Currently \$125 registration fee; to match the reduced fee offered for English course for several years**
 - Next course will be available Nov 6-26
- Online English Course still being offered
 - 3-week, asynchronous, instructor-assisted
 - 14-day requirement that participants submit at least one discussion
 - \$450 registration fee





PSA Spanish-language Efforts

- Ensuring all PSA materials are available in Spanish
- Maintaining PSA website en español
- Creating novel materials to support Spanish needs
 - Translation of FSMA PSR Preamble to Spanish
 - Translation of Revised Subpart E to Spanish
 - Spanish Educators’ Group topics
- Support professional development
 - Roundtable at IAFP 2024 about “Importance of Outreach to Spanish-Speaking Growers and Farmworkers to Ensure Food Safety for U.S. Consumers”





PSA Spanish-language Efforts

- Hosting domestic PSA GTs and TTTs in Spanish
 - Interested in collaborations to identify individuals that need PSA Trainings – both PSA GTs and TTTs in Spanish
 - PSA Team can be PSA Trainers - this requires coordinated collaboration, shared goals, and clear expectations
 - PSA does not have funds for manuals or certificates so we actively look to partner with organizations that do!





PSA Spanish-language International Updates

- Since 2022, the PSA has international training responsibilities
 - Summits, PSA GTs, PSA TTTs, iOFRRs
- Emphasis on capacity building by developing PSA trainers
- Capacity building in Latin America will continue to be a PSA priority in the next year
 - Dedicating efforts to support both PSA GTs and PSA Trainer mentoring





Other International Efforts

- Two Remote Grower Training courses in China
- Potential for additional outreach in next year
- Continue to support alternative delivery and potential for additional languages





Feedback Break

- Do you have any questions... about anything? (chat)
- Are there things we can do to support you? (chat)
 - Agricultural Water
 - Professional development topics
 - Networking opportunities
 - Other





Reminder: Be Clear When Marketing Your Courses

- **Remote Course**
 - Course led in real time by instructors delivered with video conferencing
- **In-Person Course**
 - Traditional in-person course, be clear if the course is one or multiple days
- **Online Course**
 - A three-week course that can be completed at your own pace
 - Important to share it has required discussions and could take 30 hours!
- See details at <https://cals.cornell.edu/produce-safety-alliance/training/grower-training-course>

Remember: Advertise as a *PSA Grower Training Course*!
There are other food safety training courses available (e.g., GAPs) and it is important for participants to know what course they are taking.



PSA Policy Reminders: Course Registration and Delivery

- Please register courses at least 2 weeks in advance!
 - This provides AFDO the necessary time to generate the registration paperwork and set up the course within the database
 - Retroactive registrations are not accepted unless all paperwork can be presented including PSA evaluations, course documentation, and proof of PSA Lead Trainer/Trainer attendance
 - Subject to \$250 administrative fee
 - If the training date changes, please be sure to contact AFDO to update your course registration – this impacts the course ID and evaluation!
- Pre-recorded presentations are not allowed in a PSA GT



PSA Policy Reminders: Evaluations

- Do not **reuse** PSA GT Course Evaluations
 - Evaluation codes are unique to each course
 - This includes paper evaluations (in-person courses) and Qualtrics URLs (remote courses)
- Can mail paper evaluations or submit to Trainer Scans folder
 - Please do not use CamScan or Cam Scanner App
- Make time for participants to complete evaluations
 - For remote trainings, be sure to share the link throughout the training and remind them to not hit “submit” until the end. Also valuable to remind them their progress is saved if they use the same device.
 - For in-person trainings, remind them to fill it out throughout the training and turn it in before leaving.



PSA Policy Reminders: Course Wrap-Up

- Make sure trainer names are correct and complete when closing out PSA GT
 - This is especially important when PSA Trainer/Lead Trainer names change between registering and teaching the course
 - You can change instructors, you just need to record final trainers
- When submitting course evaluations, include a **course agenda with the name of the trainer for each module**
 - If the agenda is not submitted with evaluations, the LTs for the course will receive an email request

Remote PSA Grower Training Course Agenda	
	Zoom meeting
	September 10 – 11, 2024
	7:30am – 12:30pm EST
	PSA Trainers: Elizabeth Bihn, Donna Clements, Yulie Meneses, Mariana Villarreal Silva, and Rory Wang
DAY 1 (September 10, 2024)	
7:30 AM	Log in to Zoom, Sign In, Audio Checks
8:00 AM	Welcome, Introductions, and Course Expectations (Elizabeth)
8:30 AM	Module 1: Introduction to Produce Safety (Elizabeth)
9:30 AM	Module 2: Worker Health, Hygiene, and Training (Donna)
10:30 AM	Break
10:45 AM	Module 3: Soil Amendments (Rory)
11:30 AM	Module 4: Wildlife, Domesticated Animals, and Land Use (Yulie)
12:15 PM	Day 1 Summary and Final Questions (Yulie)
12:30 PM	Adjourn, Log Out



PSA Policy Reminders

- **Printed PSA Grower Training Manuals**

- Printed PSA Grower Training manuals are required for in-person and remote PSA Grower Trainings
- Participants **MUST** have a printed manual prior to the start of the course or they will not be eligible for the training certificate
- Participants cannot be expected to print their own manuals
- If participants do not have manuals, we will follow up with the PSA Lead Trainer(s) on record

- **Electronic PSA Grower Training Manual**

- Available for download as a resource
- **MAY NOT** be used as substitute for the printed manual for in-person and remote
- <https://producesafetyalliance.cornell.edu/curriculum/english-grower-manual-v12-interactive-pdf-download/>

17

Produce safety can be challenging for a number of reasons.

- 1. Many fruits and vegetables are consumed raw, so there is no cooking or "kill step" to destroy pathogens that may be on the produce.
- 2. Contamination events are often sporadic, affecting small portions of the crop, so knowing contamination has occurred is difficult.
- 3. Microorganisms, as their name suggests, are not easily seen, so contamination is difficult to detect visually.
- 4. Contamination is usually present at very low levels and difficult to detect through product testing.
- 5. Rough surfaces (e.g., cantaloupe), large folded surface areas (e.g., leafy greens), and stem scars (e.g., tomatoes) provide great places for pathogens to hide, thereby making pathogens difficult to remove by any amount of washing of the farm level or in the consumer's home.

For these reasons, the focus of produce safety is on preventing contamination from occurring in the first place. Contamination is difficult to remove once present.

Produce Safety Challenges

- Most produce is often consumed raw (i.e., not cooked)
- Contamination on produce is often sporadic
- Minimal contamination on produce is extremely difficult to remove once present
- Natural openings, stem scars, lesions, cuts, rough surfaces, leaf, and stem
- Bacteria can multiply on produce surfaces and in their wounds, provided the right conditions are present

Produce Safety

Online Course Version
For distribution to participants in the Online PSA Grower Training Course. No other use or redistribution is authorized.
Visit <https://producesafetyalliance.cornell.edu/psa/> for web info.
Produce Safety Alliance Grower Training Course • Version 1.2 • © 2019

Produce Safety
ALLIANCE

Grower Training
Version 1.2

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PSA Lead Trainer Responsibilities

- PSA Lead Trainers are responsible for ensuring that all paperwork is completed and returned to AFDO after the course concludes!
- Even if other individuals or organizations assist with the course and fail to follow PSA policies, the PSA Lead Trainer will be held responsible if there are errors or failures
- ALL PSA Lead Trainers who participate in the course will be responsible and subject to potential trainer status suspension or revoking if course policies are not followed



PSA Grower Training Manual

- The cost of the PSA Grower Training Manual has increased from \$50 to \$60
 - Reflects the rising printing costs that have been increasing since COVID
 - Addition of Supplemental Revised Module 5-1, a 64-page booklet containing slide notes and the new PSR pre-harvest water codified pages
- PDF files for commercial printing of PSA GT Manual V1.2-V1.2a include Revised Module 5-1 and minor changes to the front cover, tabs, and 5-1 learning objectives available in English and Spanish
 - We are asking printers to download and use **the complete set of new files** when printing V1.2-V1.2a of the PSA GT Manual



PSA Grower Training Manual

- PSA Trainers can continue to use the printed V1.2 PSA GT Manuals
 - We ask that PSA Trainer print or email the handout of Revised Module 5-1 so that participants have updated materials for notetaking
- Once PSA stock of V1.2 runs out, we will be printing V1.2-V1.2a of the PSA GT Manual (incorporating Revised Module 5-1)
 - This is not a perfect fix for many reasons (e.g., PSR Codified will be incorrect, Module 5-2 will have incorrect provisions #s in some cases, no other modules are updated) but is better than expecting PSA Trainers to photocopy and hand out the PDF
- PSA GT Manual Interactive PDF has also been updated in English and Spanish (posted July 5, 2024)
- PSA will begin work on PSA GT Manual V2 this coming year



AFDO/PSA Certificate of Completion Cost

- Cost of AFDO/PSA Certificates of Course Completion are offered at a tiered price structure
 - Certificates are \$35 for participants from high income countries
 - \$15 for participants from all other income countries (based on World Bank designation)
- Intent is to make certificate costs more equitable
- Responsibility of PSA Lead Trainer of each course to determine the correct cost

ASSOCIATION OF FOOD AND DRUG OFFICIALS
 Mailing/Shipping address: 155 W. Market St., 3rd Floor, York, PA 17401
 Phone (717) 757-2888 / Fax (717) 650-3650
 Please refer to this course ID when making the payment.
PSA Grower Certificate Order Form

Date: _____
 Order #: _____
 Instructor Name: _____

DESCRIPTION	AMOUNT
PSA Grower Class ID: xxxxxx	
Training Location: xxxxxxxx	
Training Date: xxxxxx	
xx Certificates @ \$35.00/each (high income countries)	\$ xxxx
xx Certificates @ \$15.00/each (low, lower-middle, or upper-middle income countries)	\$ xxxx
TOTAL DUE	\$ xxxx

FEDERAL I.D. #74-605-1887
 Costs follow [The World Bank](#) income designations for countries of each participant.

PLEASE MAKE CHECKS PAYABLE IN US FUNDS TO: AFDO and mail to: 155 W. Market St., 3rd Floor, York PA 17401

Wire Transfers: Fill in the above information. Let us know you wish to send a wire transfer. Email to afdo@afdo.org along with the attendee worksheet. A \$15 surcharge will be added

Credit Card: Fill in below and email to afdo@afdo.org, fax 717-650-3650, or call 717-757-2888 to make payment over the phone.

Card Number: _____ Exp: _____ CSC: _____

Training Location: xxxxxxxx	
Training Date: xxxxxx	
xx Certificates @ \$35.00/each (high income countries)	\$ xxxx
xx Certificates @ \$15.00/each (low, lower-middle, or upper-middle income countries)	\$ xxxx
TOTAL DUE	\$ xxxx

FEDERAL I.D. #74-605-1887
 Costs follow [The World Bank](#) income designations for countries of each participant.



Alternate Language Policy

- For those serving growers that need a PSA Grower Training Course in a language not currently available or for those with limited literacy
- Addresses language barriers by making the curriculum and training available to a wider audience
- **Plan Ahead!** Likely increases planning and organizational effort for trainers in order to deliver high quality training
- Policy can be found here at PSA Curriculum → Alternative Language Delivery policy
 - Policy includes requirements and additional recommendations
- Contact Donna Clements (dmp274@cornell.edu) if you are interested in training under this policy



Feedback Break

- Do you need any policy clarifications? **(unmute/chat)**
- Any questions about why any of the policies are in place? **(unmute/chat)**





PSA Funding Updates

- PSA operating on a no-cost extension since July 1, 2024
 - Supports the PSA team as we wait for the new (2024-2027) cooperative agreement
 - Allowed for the completion of remaining deliverables
- Expect additional funding to cover the current program through August 2025
 - Begin development of V2.0 of the PSA Grower Training Course
 - Subpart E – Agricultural Water outreach will be a high priority
 - International capacity building will continue in Latin America as well as support for Spanish focused efforts
 - Deliverables currently being finalized



PSA Funding Updates

- Still significant concerns about PSA long-term funding
 - Beyond 8/31/2025, anticipated FDA base funding is not sustainable
- Continue to have discussions at the federal/state/industry level about sustainable funding
 - We are asking for your support with congressional members and contacts to Farm Bureaus that can help us advocate for funding
 - We have 2-pager to share if that helps!
 - Please email Betsy with contacts!
- Grant funding keeps us afloat but complicates our mission
 - Grants reduce our ability to be responsive to needs due to fixed objectives and timelines



Beyond PSA Activities

- Produce Safety Fellows
 - First cohort in collaboration with LFSC
 - New cohorts from underserved communities through FSOP
 - PSA GT, PSA TTT, & PSA Advanced Training plus network building and special topics webinars
- Decision Support Tool (UVM, Rutgers, Cornell)
- Produce Safety Consultant Certificate Program (NY)
- Postharvest Water Management and Traceability (NY)
- GroupGAP (NY)
- HP/AP (NECAFS)





Submitted Questions Discussion

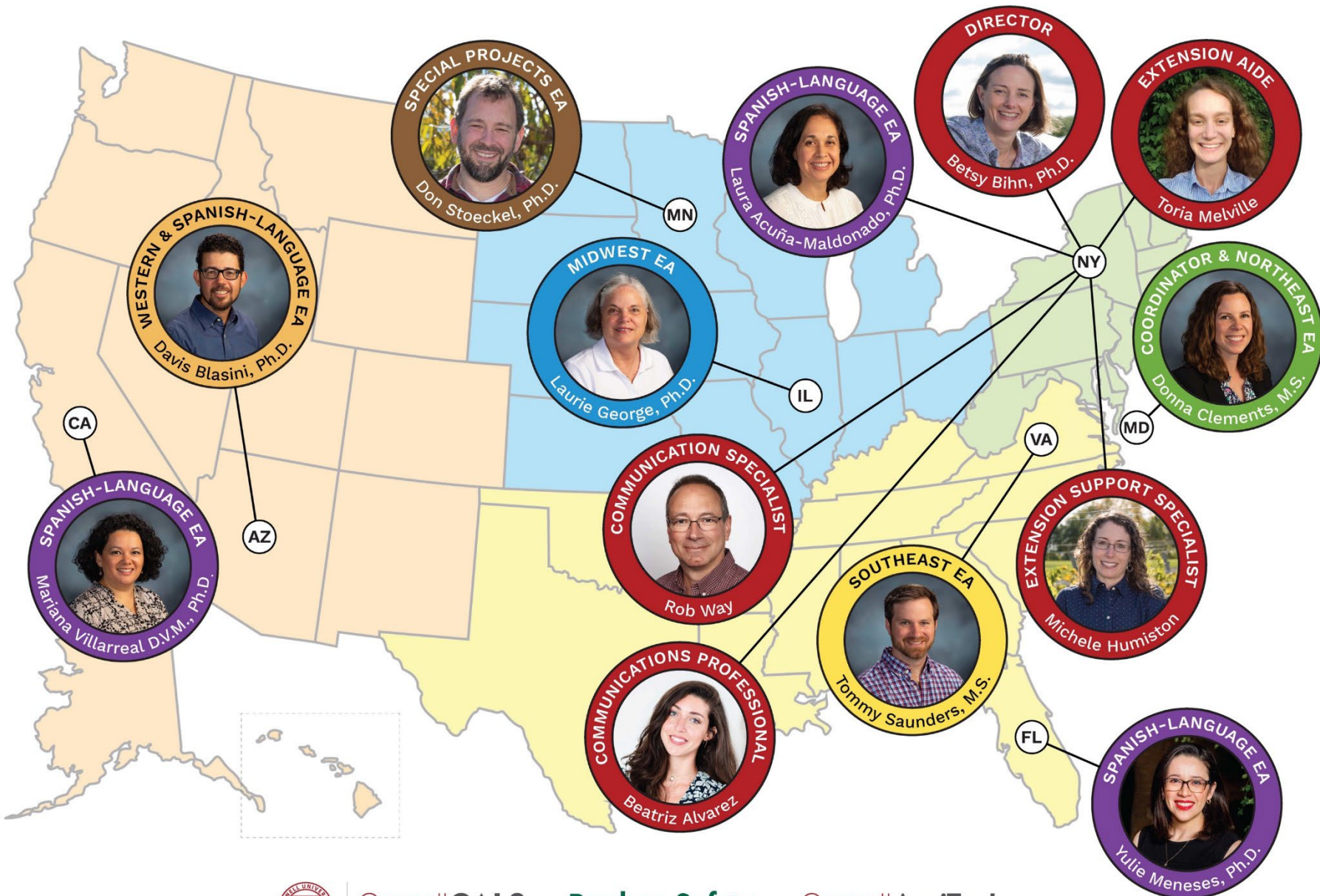
- How do we know that the practices we implement concerning ag water will be acceptable for FSMA and the Food Safety Schemes?
- What does a risk assessment on any water system look like under FSMA.
- In case of not compliance what would be the consequences, could a company has to comply both PSA and PCQI?
- What is the FDA position on water testing. I understand they are still requesting farmers to test water 4 times per year.
- Has the FSMA PSR resulted in a measurable decrease in foodborne illness outbreaks linked to fresh produce?



Submitted Questions Discussion

- Would PSA let us know when you guys do FDA led PSA Growers Trainings? I would like some of my farmers to attend those. If possib (cut off). Similar comment: More trainings
- Offering TTT courses. More training on ag water.
- Does PSA plan to do training re: FSMA 204? I have seen some webinars with PSA professional, need training material/1-pager
- PSA funding future! As a Path A state, I imagine our futures are relatively the same. Crystal ball for us please!
- How do we move forward without PSA funding? We rely so heavily on you guys and don't know what we'll do without you

Produce Safety Alliance Team





Thank you!



- For your time today and everyday
 - Need for your talents only increases each day!
 - Technical assistance is needed by many farms
 - Coordinating and collaborating is the key to using very limited resources wisely!
- PSA Team is always interested in your feedback!
 - Your input changes policies and our actions!
 - Don't be afraid to bring up tough topics!
 - Honest dialogue is the key to continuous improvement!



The PSA Website

English: producesafetyalliance.cornell.edu

Spanish: es.producesafetyalliance.cornell.edu



Produce Safety
ALLIANCE

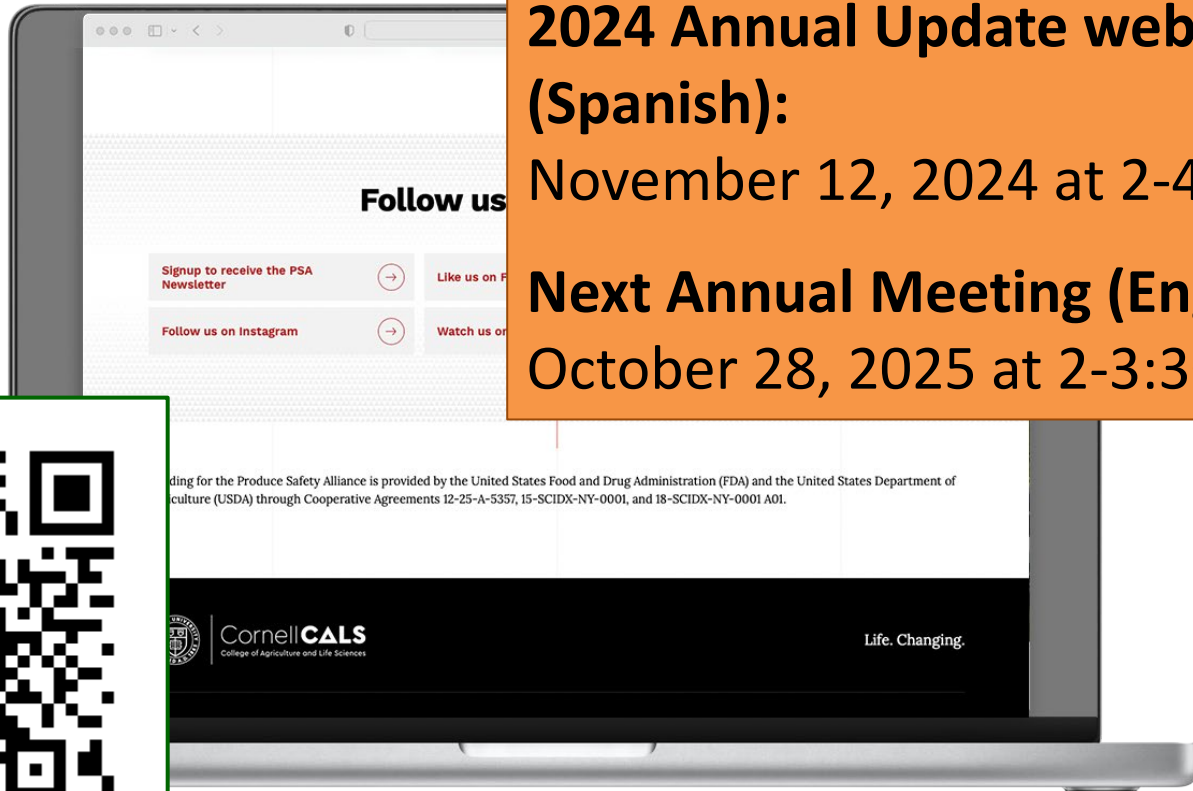


The PSA Website

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Please respond to our 3-question evaluation!



2024 Annual Update webinar (Spanish):

November 12, 2024 at 2-4pm ET

Next Annual Meeting (English):

October 28, 2025 at 2-3:30pm ET

