

The background of the slide features a large, semi-transparent watermark of the Rutgers University seal. The seal is circular and contains the text "RUTGERS UNIVERSITY" around the perimeter and "STATE UNIVERSITY" at the bottom. The seal is centered and slightly offset to the left.

RUTGERS

New Jersey Agricultural
Experiment Station

Food Safety Considerations for Agritourism Operations

Meredith Melendez

Rutgers NJAES Cooperative Extension of Mercer County



Produce-Associated Outbreaks Impact Health

Produce Related Illnesses, Hospitalizations, & Deaths by Pathogen: 2000-2011

	Illnesses	Hospitalizations	Deaths
<i>Salmonella</i>	7,110	835	10
<i>Cyclospora</i>	1,036	12	0
<i>E. coli</i> O157:H7	1,031	308	6
Hepatitis A	951	143	3
<i>Listeria</i>	177	169	38
<i>Shigella</i>	56	3	0
Total	10,361	1,470	57

Why Focus on Food Safety?



HUNT FOR SOURCE OF BAD SPINACH CARRIES ON

The New York Times

PACKAGED SPINACH SALAD DISAP-
PEARED FROM STORE SHELVES ACROSS
THE COUNTRY SATURDAY, AS INVESTI-
GATORS SEARCHED FOR THE SOURCE
OF BACTERIAL CONTAMINATION THAT
AS NOW SICKENED MORE THAN 100
PEOPLE. OFFICIALS SAID SATURDAY
AT THE NUMBER OF PEOPLE AF-
FECTED BY THE E. COLI OUTBREAK
NOW STOOD AT 102, UP FROM 94 THE
DAY BEFORE. DR. DAVID ACHESON, DI-
RECTOR OF FOOD SAFETY AT THE FOOD
AND DRUG ADMINISTRATION, SAID

THE F.D.A. FACES IN TRYING TO
POINT THE SOURCE OF THE BACTERIA
AND ELIMINATE IT FROM THE FOOD
SUPPLY. HEALTH AND AGRICULTURE
EXPERTS SAID E. COLI CONTAMINATION
INTO FRESH SPINACH AT THE
POINTS OF SALE.

Killer bacteria hunted in fields of California

ELIZABETH RHODES, A 22-YEAR-OLD
SENIOR AT MOREHEAD STATE UNIVER-
SITY IN MOREHEAD, KY., LOVES SPINACH. "I
'VE BEEN SICKENED BY IT TWICE. I'M
VERY ILL IN THE WINTER."

THE WORST WE'VE SEEN; SHE'S REALLY
BAD OFF," RHODES SAYS. "AND THAT
WAS AFTER THEY HAD GIVEN ME MO-
PHINE AND I WAS SLEEPING. I
RHODES WAS ONE OF THE
STATES WHO HAD REPORTED
CASES OF E. COLI IN AUG. 23 IN A
REPORT FROM THE U.S. DEPT. OF AGRICULTURE.

USA
TODAY

Lettuce Suspected in Taco Bell E. Coli Outbreak

HEALTH OFFICIALS ON
WEDNESDAY ZEROED IN
ON LETTUCE AS THE
LIKELY SUSPECT IN THE
E. COLI OUTBREAK LINKED TO TACO
BELL, THOUGH TRACING THE VEGETA-
BLE'S SOURCE MAY PROVE DIFFICULT.
THE OUTBREAK APPARENTLY HAS RUN
ITS COURSE AFTER 71 CONFIRMED
CASES OF THE DISEASE IN FIVE STATES,
PRIMARILY NEW JERSEY, NEW YORK
AND PENNSYLVANIA. OFFICIALS SAID
INVESTIGATORS ARE TRYING TO
Determine whether the lettuce was
grown in California, where the
outbreak first began.

F.D.A. WARNS OF OUTBREAK AND NOT TO EAT BAG SPINACH

The New York Times

CONSUMERS SHOULD AVOID EATING
FRESH BAGGED SPINACH AFTER AN
OUTBREAK OF E. COLI IN EIGHT STATES
LAST WEEK.

THE VICTIMS MANY QUESTIONS ABOUT
WHAT THEY ATE OVER THE PREVIOUS
WEEKS 'BAGGED FRESH SPINACH'
THE ONLY FOOD THAT PATIENTS SO F-
RECALLED.

Spinach Pulled From Stores Across U.S.

AP

BUYERS CHANGED
BUYING HABITS
AS SPINACH
DROPPED FROM
BUYING
WAS
STORE
OUTBREAK
KILLED

THE SPINACH, GROWN
COULD HAVE BEEN
THE FIELD OR DURING
ACCORDING TO THE
EASE CONTROL AND
ABOUT 74 PERCENT
MARKET SPINACH
COMES FROM CALIFORNIA.

Regulations

FSMA Framework for Food Safety



Human Food



Produce Safety



Imports

- Foreign Supplier Verification
- Accredited Third Party Certification



Animal Food

USDA

GAP & GHP

AUDIT PROGRAM

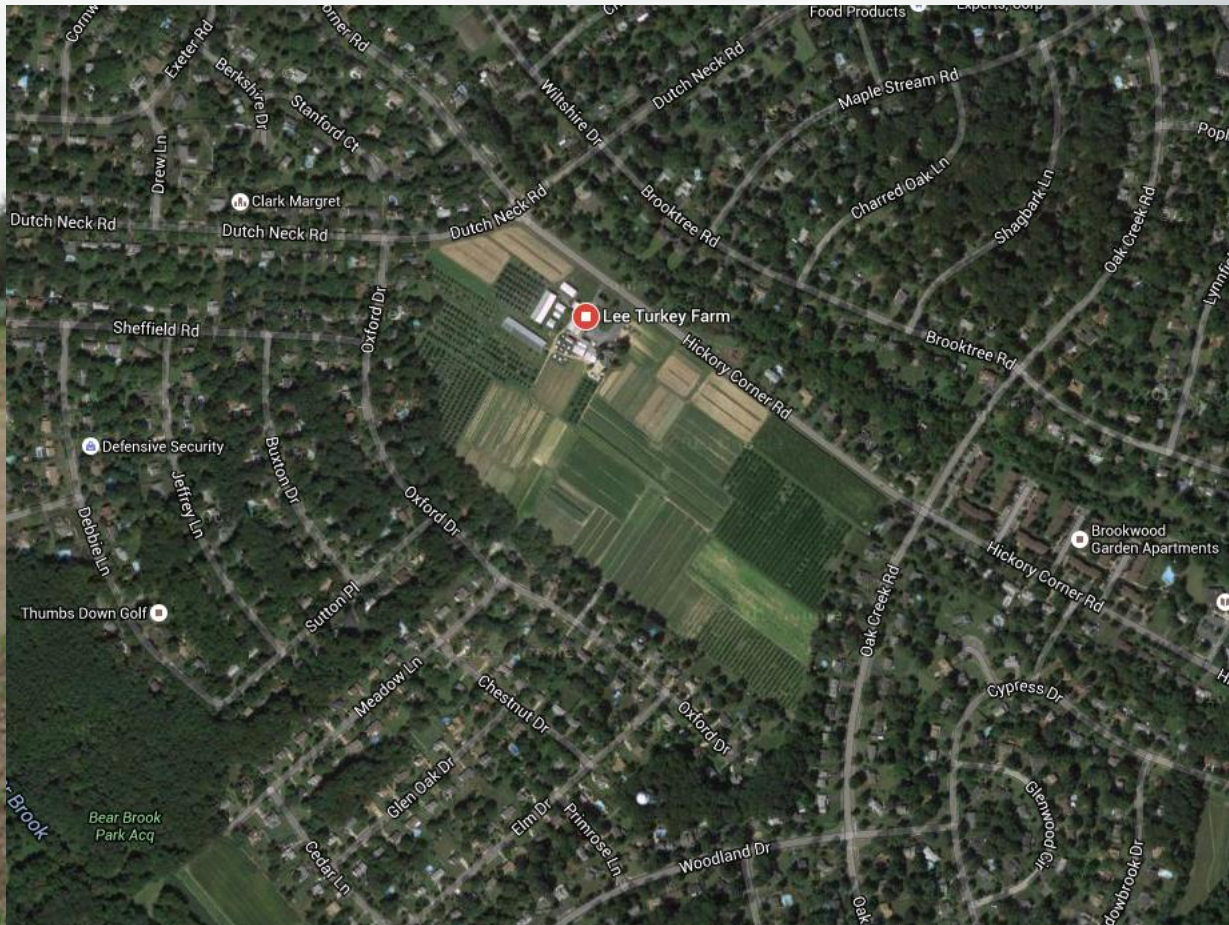
FRUIT & VEGETABLE PROGRAMS

Assessing Risk

How do you assess risk?

1. Identify the hazards
2. Identify the potential risk
3. Detail the existing control measures that are in place to reduce risk
4. What is the chance of and severity of potential harm?
5. Document any changes that you have made to your farm practices/policies as a result of the risk assessment
6. Monitor the potential hazard points and review the risk reduction procedures for effectiveness

- Prior land use / Adjacent land use



- Farm water use



- Wild animal activity



- Domestic animal activity



- Soil Amendments



- Packing areas



- Distribution (on farm, market locations, transportation)



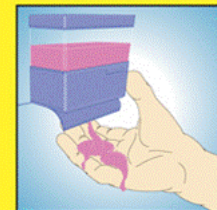
Good Agricultural Practices

Worker Training

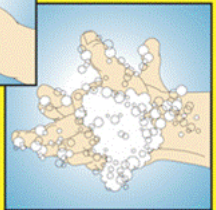




**POR FAVOR, LÁVESE LAS
MANOS FRECUENTEMENTE**



**ANTES Y DESPUÉS
DE USAR EL BAÑO,
MANIPULAR FRUTAS Y
VERDURAS, COMER,
BEBER, O FUMAR**



**BEFORE AND AFTER
USING THE TOILET,
HANDLING FRUITS
AND VEGETABLES,
EATING, DRINKING,
OR SMOKING**

**PLEASE WASH
YOUR HANDS OFTEN!**



Ill customers?



Irrigation Water



Chemical controls



Manure Use



Harvest Tools and Equipment



Washing Procedures



Packing/Storage/Transportation Containers



Building Considerations



Pest control









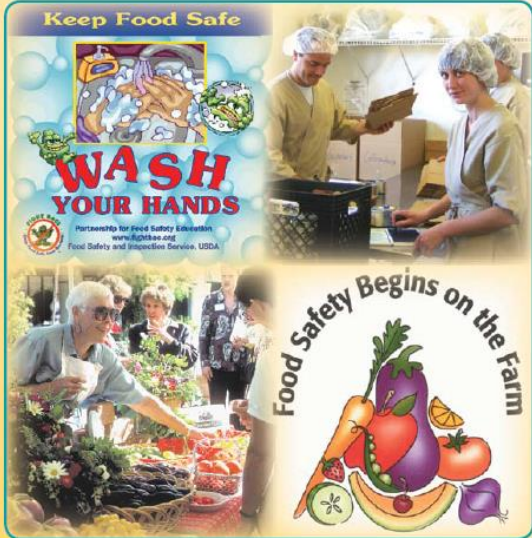






Food Safety
at Farmers Markets and Agritourism Venues

A Primer for California Operators



Keep Food Safe
WASH YOUR HANDS
Partnerships for Food Safety Education
www.fightbac.org
Food Safety and Inspection Service, USDA

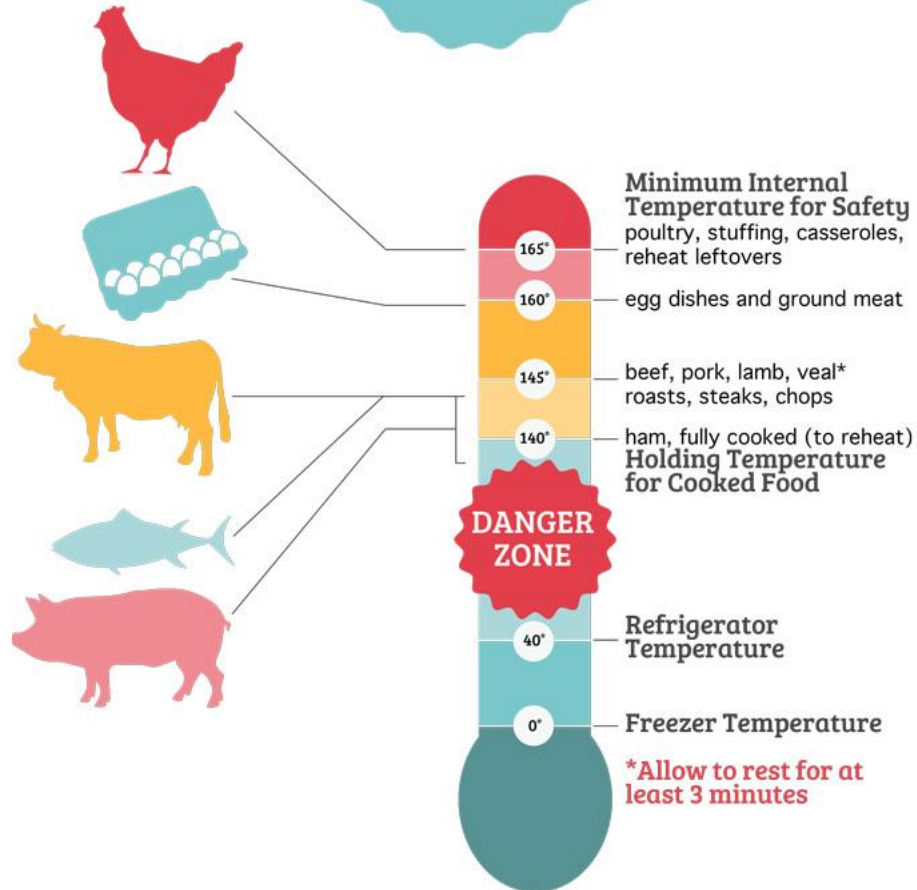
Food Safety Begins on the Farm

A publication of the UC Small Farm Center

1 of 40

<http://sfp.ucdavis.edu/files/144702.pdf>

Food Danger Zone Guidelines



U-Pick Containers



Customer Containers



Signage



Website / CSA Agreement



2013 Fresh 2013 CSA Agreement Form

THIS AGREEMENT is made this ____ day of Month, Year, by and between CSA CONSTRUCTION, INC., a Texas corporation whose principal address is 2314 McAllister Road, Houston, Texas 77092, hereinafter called "Contractor" and Subcontractor, a company whose principal address is _____, hereinafter called "Subcontractor."

PROJECT: _____
Designed By: _____

The Contractor and Subcontractor agree as follows:

I. CONTRACT DOCUMENTS

(A) The contract documents for this subcontract consist of this Agreement and any exhibits named herein, the General Contract (including all general and special conditions, plans, drawings, and specifications issued prior to the execution of this Agreement), along with all modifications to this Agreement to which both parties agree in writing.

(B) Subcontractor acknowledges that he has read the contract documents and is familiar with each and every part thereof affecting his Subcontract Work. Subcontractor by execution has undertaken himself as to the nature and location of the Work; the character, quantity, and kinds of materials necessary; the adequacy of any surface or subsurface conditions necessary to assure proper installation of Subcontractor's Work; the kinds and quantity of equipment needed; and other local conditions or matters affecting compliance with the contract documents. Further, Subcontractor is familiar with the respective rights, powers, benefits and liabilities of the Contractor and the Owner under the contract documents and hereby agrees to comply with and perform all provisions thereof which are applicable to the Subcontract Work.

(C) The Subcontractor agrees to be bound to the Contractor under this Agreement according to the same terms and conditions as the Contractor is bound to the Owner under the contract documents. The Subcontractor shall assume and perform all of the obligations and responsibilities of the Contractor under the contract documents, which pertain or relate to the scope of work in this Subcontract as described in Paragraph 2.



2013 Fresh 2013 CSA Agreement Form

Broadfork Farm
Certified Naturally Grown
Produce & Flowers

2013 CSA Info

Certified Naturally Grown
Produce & Flowers



- What we grow:**
- Arugula
 - Asian Greens
 - Beets
 - Broccoli
 - Carrots
 - Chard
 - Eggplant
 - Heads of Romaine
 - Herbs
 - Kale
 - MicroGreens
 - Okra
 - Onions
 - Salad Mix
 - Bell Peppers
 - Celery
 - Kohlrabi
 - Tomatoes
 - Cherry Tomatoes
 - Shiitake & Oyster Mushrooms
 - Garlic
 - Ginger & Turmeric
 - Flowers
 - Green Beans
 - Snow & Snap Peas
 - Spinach
 - Jalapeno Peppers
 - Potatoes
 - Sweet Potatoes
 - Radish
 - Sweet Turnips
 - Watermelon
 - ...and more



What is a CSA?

A CSA is a partnership between eaters, for reduction of risks, and structure of food

About Us

Lower Meadow Farm, LLC is owned and operated by husband and wife team Mallory Krieger and Paul McGinty. Our farm is situated 1.5 miles east of beautiful Fishhook in Pike County, IL.

Located on 85 acres of a mix of fields and woodland, we are completely chemical free and use only the least environmentally focus on utilize improve the so landscape. We pollinated se heir

We grow an herbs, fruit, an local farmer

Springfield
Wed/Sat 7

Jacksonvil
Thu/Sat 6:30

farm fresh on green

local | fresh |

Hello Neighbors:

If you've received this card it means your neighbors are trying a Greenhearts Family Farm CSA box. Each week this small, coastside farm delivers a selection of hyper-local organic fruits, vegetables and organic pasture raised eggs, beef, pork & chicken, baked goods and surprises to families just like yours in the neighborhood

CSA CONSTRUCTION, INC.
2314 McAllister Road
Houston, Texas 77092

SUBCONTRACTOR AGREEMENT

THIS AGREEMENT is made this ____ day of Month, Year, by and between CSA CONSTRUCTION, INC., a Texas corporation whose principal address is 2314 McAllister Road, Houston, Texas 77092, hereinafter called "Contractor" and Subcontractor, a company whose principal address is _____, hereinafter called "Subcontractor."

PROJECT: _____
Designed By: _____

The Contractor and Subcontractor agree as follows:

I. CONTRACT DOCUMENTS

(A) The contract documents for this subcontract consist of this Agreement and any exhibits named herein, the General Contract (including all general and special conditions, plans, drawings, and specifications issued prior to the execution of this Agreement), along with all modifications to this Agreement to which both parties agree in writing.

(B) Subcontractor acknowledges that he has read the contract documents and is familiar with each and every part thereof affecting his Subcontract Work. Subcontractor by execution has undertaken himself as to the nature and location of the Work; the character, quantity, and kinds of materials necessary; the adequacy of any surface or subsurface conditions necessary to assure proper installation of Subcontractor's Work; the kinds and quantity of equipment needed; and other local conditions or matters affecting compliance with the contract documents. Further, Subcontractor is familiar with the respective rights, powers, benefits and liabilities of the Contractor and the Owner under the contract documents and hereby agrees to comply with and perform all provisions thereof which are applicable to the Subcontract Work.

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*** just \$33 a week, delivered**

***no contracts, no pick-up locations**

Questions?

