General Questions

Note: Statements in parenthesis and in italics refer to a log, sign or additional information at the end of each section.

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Implementation of a Food Safety Program

This section consists of a review of the food safety program and the Operators Food Safety Plan that has been designed for your operation. **Management must indicate who has been designated to implement and oversee the program and also who is named as the backup in case this person is not available.** The company may be asked for the Food Safety Plan to review before the day of the audit. This will speed up the process and reduce time for everyone on the day the actual audit is held.

Traceability

Traceback is the ability to track food items, including fresh produce, back to the original source and forward to the destination. This cannot prevent an initial food borne outbreak, but it may help speed up the process to pinpoint the source. The faster the source is located the faster the rest of the produce industry can get back to normal. Hopefully, this will help ensure that the public will have greater confidence in the produce industry.

A written procedure must be included in the Food Safety Plan on how the operation will track individual containers one step forward and one step back. Maintain as many detailed records as possible such as the harvesting dates, specific field and product location within the field or orchard, number of packages within a lot, packing and shipping date and harvesting crew. This information should be made available by the producer. Each container must have the name and address of the grower or if repacked the name and address of the repacker on it. The label on the box generally is sufficient to trace the product to the farm or packing house, but each wholesale box must have a harvest/packing date stamp or code with the date on the box. Placing a General Questions – January 2011 Page 1

label on the wrapped pallet will not meet this standard. If packing in more than one shed or packing under someone else's label, additional identification is needed to trace the product back to the packinghouse. If the containers are not labeled with the required information, a hand-labeling gun can be used to code each box where a series of numbers can identify the container. For example -1 655616 9:

165 = (date harvested) this could be the first day a grower picked or the Julian calendar date such as 165 for June 14 or use the calendar date 614. This reserves the first 3 digits numbers for dates.

5 = (grower)

6 = (field picked or picker)

169 = (packing date)

The other numbers can be used for more information or be zeros. Record the information for each shipment.

Recall procedures must be included in the Food Safety Plan. Mock recalls should be scheduled at least every six months to ensure the system works properly. The operation must document the customers contacted, the amount of product remaining from the original shipment and the disposition of product which could not effectively be recalled. This may include sales to customers or reshipment to other customers who could be contacted if necessary. Have the customer fax the results of these conversations on their letterhead to show compliance. Auditors will review the traceback procedures and reports from the mock recall. (See Moch Traceback log) Note: this does not mean you take control of the product. The auditors want to see if you have the ability to take control if a recall is requested!

Worker Health & Hygiene

This section requires management to describe how workers are trained and instructed to practice proper hygiene.

Example: Potable water is available to all employees in the facility. The company must document that the water was tested at least once a year and indicate it is potable or what corrective measures were taken to make it potable (See *Water source testing* General Questions – January 2011 Page 2

log). If municipal water is provided a copy of the test can be obtained from the municipality.

Signs should be posted at wash stations to inform employees that they must wash their hands before going to work, after breaks, or anytime they leave their work station and return (See *Please wash your hands often!*). The location of the hand washing station must be visible to the employer or supervisor. Just having a sink in the rest room is not acceptable. Signs should be posted to inform visitors that they are required to follow good hygiene/sanitation practices (See *Visitor sign in sheet* and *Health & safety notice*). Visitors can be required to sign a form listing all the requirements to enter or post a sign with all the requirements when not having visitors sign in. If the auditor observes an employee not washing their hands before beginning work or returning to work, the audit will be an "automatic unsatisfactory" and the audit can be stopped.

All employees must receive documented training on proper sanitation and hygiene practices (See *Employee food safety education and training log*). This can be through formal presentations, videos, one-on-one instruction or demonstrations. Periodic refresher or additional sessions may be needed as new employees are hired. The training should include, at minimum, methods of hand washing, method of scrubbing fingernails and proper use of toilet facilities.

The portable toilets/restrooms should be cleaned on a regular basis and properly stocked with toilet paper, single use paper towels, potable water for handwashing and soap. The use of hand sanitizers is not a substitute for soap. They do not do as good a job as soap in agricultural situations. Also, hands must be washed prior to putting gloves on hands. A supervisor should keep a record of when the facility was cleaned and by whom. If a commercial service is used to maintain the toilet facilities, make sure they record visits and do proper maintenance! In some instances, the operation will need to designate an employee to service the facilities between the commercial operators' visits. (See Use Toilets Properly, Please put used toilet paper in the toilet and *Restroom and toilet facility maintenance log*).

Eating and smoking must be confined to designated areas away from the receiving/loading, repacking or storage areas. The area should be separated by painted lines or partitions. Signage in packing and storage areas designating either no smoking or smoking areas is encouraged.

Workers with diarrhea disease or symptoms of other infectious diseases should not work with fresh produce. They should be given the opportunity to work in other areas if physically capable. Supervisors should encourage employees to report any illness at the beginning of the work day. A policy must be included in the Food Safety Plan on procedures if someone is sick.

Examples from Good Manufacturing Practices for food processing

establishments under 21 CFR, 110.10 state "(a) Disease control. Any person who, by medical examination or supervisory observation, is shown to have, or appears to have, an illness, open lesion, including boils, sores, or infected wounds, or any other abnormal source of microbial contamination by which there is a reasonable possibility of food, food-contact surfaces, or food-packaging materials becoming contaminated, shall be excluded from any operations which may be expected to result in such contamination until the condition is corrected. Personnel shall be instructed to report such health conditions to their supervisors."

Following are some symptoms. (See the quick reference guide for additional pathogen and symptoms).

Pathogens Often Transmitted by Food Contaminated by Infected Employees						
Pathogen	Symptoms					
Hepatitis A virus	Fever, jaundice, vomiting					
Salmonella species	Nausea, vomiting, diarrhea, fever					
Shigella species	Diarrhea, fever, cramps					
E. coli 0157:H7	Severe abdominal pain, watery diarrhea, vomiting					
Staphylococcus aureus	Diarrhea, nausea, vomiting					
Streptococcus pyogenes	Fever, Sore throat with fever					

The Food Safety Plan must contain a written procedure that describes what action is taken should blood or other bodily fluid come in contact with the product, how the product will be destroyed, or removed from the area and how food contact surfaces will be cleaned and sanitized. A statement similar to the following should be included in the plan:

Blood and Bodily Fluid Procedures

When blood or bodily fluid comes in contact with produce, the product will immediately be removed from the area in sealed plastic bags and destroyed. All surfaces that came in contact with the contaminated produce will be washed to remove visible signs, scrubbed with a detergent solution, rinsed and sanitized before using those surfaces for produce.

Employees must be instructed verbally or through signs posted at various locations throughout the facility that they should seek proper first aid treatment if they receive cuts or abrasions. The responsible person should then determine whether the employee could return to their work area or be assigned to another task which does not bring them in direct or indirect contact with produce. This policy should be documented in the Food Safety Plan. For example – employees are instructed to contact their supervisor for first aid treatment. All cuts are treated and the supervisor then determines the employee's ability to continue with their work. If the individual can return to work, the cut area is cleaned, treated, bandaged and then protected. If the hand is cut, once treated, a disposable glove is placed on the hand prior to returning to the job.

Employees should be shown through practical application or videos the proper use of pre-harvest and/or post-harvest application materials. Any individual applying materials should have a certification or license or be under direct supervision of someone who has the license.

Once the General Question part has been audited, the auditor will calculate the score. The passing score for this part is 180 points (each part will have different points). The auditor will first subtract any points that were not applicable (N/A) then calculate the percent score. 80% is a passing score for each part. This part must be passed before part 6 can be audited.







Mock Traceback Log

Name of Operation:	Date:
Conducted By:	Lot:
Product(s) traced:	

Please see the food safety plan for overall traceback procedures.

		Step Bacl	kward	Step Forward				
Harvest Date	Grower	Packing Date	Packer	Buyers received date	Buyers Shipping Date	Customer(s) Contacted	Amount of product remaining at customer	Disposition of product which could not be recalled

Sheet Reviewed by:_____ Title:_____ Date:_____







Water Source Testing Log

Date	Water Source Location	Sample ID	Date Sample Sent to Lab	Lab ID	Date Results Received	Mea	ective sures eded No	Date Corrective Measure Completed	Employee's Initials

Sheet Reviewed by: _

(Management)

on

(Date)







Employee Food Safety Education and Training Log

Materials Used and/or handouts (If applicable):

	Employee's Name (Please print)	Job	Employee's Signature
1		300	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
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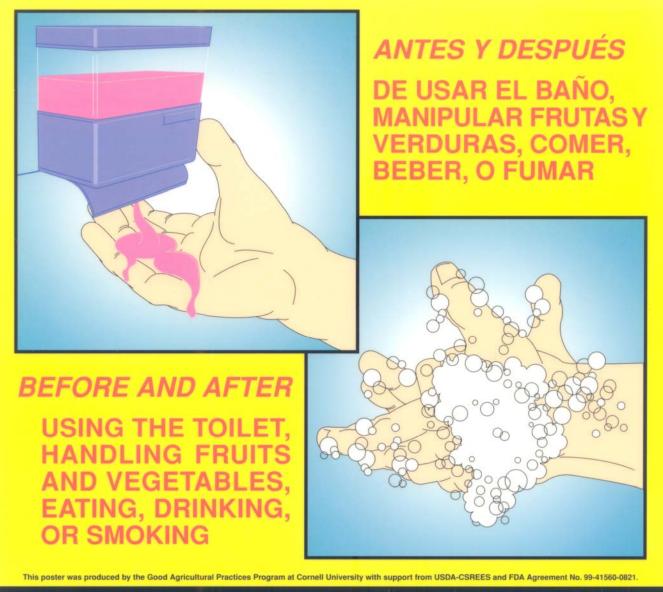
Sheet Reviewed by: _____

___ on __

(Date)

(Management)

POR FAVOR, LÁVESE LAS MANOS FRECUENTEMENTE











Visitor Sign in Sheet

Date	Time / IN	Time / OUT	Proof of ID	Purpose of visit	Vehicle Insp.	Employee's Initials

Sheet Reviewed by: _

(Management)

on

(Date)







HEALTH AND SAFETY NOTICE

VISITORS MUST BE AWARE OF THE FOLLOWING POINTS

- > Toilet facilities are available for your use. Please request locations.
- > Please follow all good hygiene/sanitation practices.
- Make yourself aware of the emergency procedures located in the office.
- > When walking around please be aware of forklift trucks operating.
- Slippery surfaces are a hazard and care should be taken while walking around the site.
- Watch out for trip hazards i.e. crates, and undulations in surfaces and edges of concrete surfaces.
- > Head injuries: watch out for low pieces of tunnel/glass structures.
- After the visit make sure hands are thoroughly washed before eating meals.

Sheet Reviewed by:

(Management)

(Date)

on

POR FAVOR, DEPOSITE EL PAPEL HIGIÉNICO USADO DENTRO DEL INODORO



PLEASE PUT USED TOILET PAPER IN THE TOILET

PLEASE USE TOILETS PROVIDED IN THE FIELD











Restroom & Toilet Facility Maintenance Log

Location:

	Toile Ha Was Faci	nd hing	So	ар	Sing us Pap Tow	e ber		ilet per	Tra Ca		Pota Wa	able iter	
Date	Checked	Cleaned	Checked	Filled	Checked	Filled	Checked	Filled	Checked	Emptied	Checked	Filled	Employee's Initials

Sheet Reviewed by: ______ on _____ (Management) (Date)

Note: Use a different sheet for each facility January 2011

Illness and Organism	Source	Onset (Duration) of	I and Parasitic Foodborne IIIn Characteristics	Common Foods	
That Causes It	of Organism	Illness	of Illness	Involved	Prevention
maroadoon	ororganism		borne Illnesses	involved	T leveluon
		Intoxic			
phylococcal Intoxication	Hands, throats, nasal passages and sores of humans	1-6 hours	Heat resistant toxin causes nausea, vomiting, diarrhea, and abdominal cramps.	Reheated foods, ham and other meats. Meat, vegetable and egg salads,	Practice good personal hygiene and sanitary habits; avoid touching food with bare
phylococcus aureus		(1-2 days)		cream-filled pastries and other protein foods.	hands; heat, cool and refrigerate foods properly.
ulism	Soil, water sediment and intestinal tracts of animals and	12-48, up to 72 hours	Neurotoxin causes dizzi- ness; blurred vision; diff-	Low-acid canned food, especially home-canned	Do not use home-canned foods in commercial
stridium botulinum	fish	(Depends on speed of diagnosls; can last several days to a year	iculty speaking, swallowing and breathing. Can be fatal without antitoxin	products. Meats, fish, smoked and fermented fish, vegetables	establishments; avoid using foods from severely dented or bulging cans
<i>cillus cereus</i> stroenteritis	Soil, dust, water and a variety of foods such as cereals, rice, dried foods, spices, milk and	Two types of illness: (1) diarrhea type 6-16	 Watery diarrhea; abdominal cramps; no fever or vomiting 	(1) Meat and vegetable dishes; casseroles,	Good sanitation. Keep foods hot >140°F (60°C); cool leftovers quickly; reheat foods
cillus cereus	dairy products, meats and vegetables.	(1) diameter (2) e o ro hours (1day) (2) vomiting type 30 minutes - 6 hours (1 day)	(2) Nausea and vomiting; abdominal cramps and diarrhea occasionally occur	puddings, sauces and soups (2) Fried, boiled or cook- ed rice and other starchy foods such as macaroni and cheese	to 165°F (73.9°C).
		Infec	tions		
monellosis	Intestinal tracts of animals, especially poultry and pigs; birds and insects; also human	12-48 hours	Nausea, vomiting, abdominal cramps, diarrhea, fever, and headache	Poultry and poultry products, shell eggs and egg products, milk and dairy	Cook animal foods thorough- ly; prevent cross contami- nation; cool food quickly;
monella species	carriers	(2-6 days)		products, meat salads, shellfish, and other protein foods.	practice good personal hygiene.
gellosis (Bacillary dysentery)	Intestinal tracts of humans and polluted water.	1-7 days (Up to 14 days or longer; recovery is slow)	Diarrhea with bloody stools; abdominal cramps, and fever. There may be com-	Foods that receive much handling including meat, vegetable and pasta salads,	Good sanitation and personal hygiene; minimize hand con- tact with food; prevent cross
gella species			plications in severe cases.	and raw vegetables.	contamination.
teriosis	Soil, silage, decaying plant matter, water, other environ-	1 day - 3 weeks (Depends on treatment, but	Mild flu-like symptoms in healthy individuals; in immuno-	Raw milk and cheese made from raw milk, meat and	Good sanitation; use only pasteurized milk and dairy
teria monocylogenes	mental sources; intestinal tracts of animals	has a high fatailty rate in immuno-compromised individuals)	compromised individuals, meningitis and blood poisoning occur; abortion in pregnant women	poultry, raw vegetables	products; cook food thoroughly; keep foods below 40°F (4.4°C); prevent cross contamination.
siniosis	Soil, untreated water, intestinal tracts of animals especially	24-28 hours (2-3 days; some longer)	Fever, abdominal pain, diarrhea, nausea and	Meat and meat products, especially pork; milk and	Good sanitation; use only pasteurized dairy products;
sinia enterocolitica	pigs.		vomiting; pseudo- appendicitis; complications can occur in severe cases	dairy products; seafoods and fresh vegetables	cook foods thoroughly; keep foods below 40°F (4.4°C); prevent cross contamination

Illness and Organism	Source	Onset (Duration) of	Characteristics	Common Foods		
That Causes It	of Organism	Illness	of Illness	Involved	Prevention	
		Infections	(continued)			
Campylobacteriosis Campylobacter jejuni	Soil, sewage, untreated water, intestinal tracts of chickens, turkeys, cattle, pigs, rodents,	2-5 days (5-10) days; relapses are common)	Fever, headache, nausea, muscle pain and diarrhea (sometimes bloody)	Undercooked meat and poultry, and raw milk	Cook animal food thoroughly cool foods quickly; prevent cross contamination	
	and some wild birds					
Hemmoraghic colitis	Intestinal tracts of animals, particularly cattle, chickens,	3-9 days (2-9 days)	Severe abdominal pain, watery diarrhea which be-	Raw or rare meats especially ground beef; raw	Cook meats thoroughly; prevent cross contamination.	
E. coli 0157:H7	pigs and sheep		comes bloody and vomiting may occur; dehydration; severe complications can result.	milk and dairy products	keep food below 40°F (4.4°C	
Vibrio parahnemolyticus gastroenteritis	Estuaries and salt water	2-48 hours (2-3 days; can be longer)	Diarrhea, abdominal cramps, nausea, vomiting, headache, fever, and chills	Raw fish or inadequately cooked seafood; clams, oysters, crabs, shrimp and	Cook all seafood thoroughly; prevent cross contamination; keep foods below 40°F (4.4°	
Vibrio parahaemolyticus				lobster		
		Toxin-mediated Infec	ction (Toxicoinfection)			
<i>Clostridium perfringens</i> gastroenteritis	Intestinal tracts of humans and animals, soil, dust water	8-24 hours (12-24 hours)	Diarrhea, intense abdominal pain; occasional vomiting	Improperly prepared, held, cooled, or reheated meat and poultry, stews, gravies,	Cook foods thoroughly; cool foods quickly; hold hot foods above 140°F (60°C); reheat	
Clostridium perfringens				soups, sauces and casseroles.	leftovers to 165°F (73.9°C)	
		Viral Foodb	orne Illnesses			
nfectious Hepatitis	Infected workers, contam- inated water, shellfish from	15-50 days (weeks/months)	Fever, nausea, vomiting and abdominal discomfort,	Foods not cooked after handling such as bakery	Good personal hygiene; han contact with food; cook all	
Hepatitis A virus	contaminated water	1-2 weeks to several months in severe cases	appetite loss, fatigue, followed by jaundice	products, luncheon meats, salads, sandwiches, fruits; raw oysters and clams; water	foods properly, especially seafood; separate infected persons from food preparati	
		Parasitic Food	borne Illnesses			
Giardiasis	Contaminated water or food, intestinal tract of animals and	7-10 days 2-6 weeks (if untreated	Diarrhea, abdominal cramps, nausea, fatigue, bloating,	Foods handled frequently during preparation;	Good personal hygiene; goo sanitation; heat untreated	
Giardia Lamblia	humans	recurs in several months)	flatulence and weight loss	contaminated water	water to a rolling boil for at least 3 minutes	
Trichinosis	Muscle of meat-eating animals, especially pigs and bears	onset: 3-30 days Symptoms can last 5-8	Nausea, vomiting, diarrhea and abdominal pain followed	Raw and undercooked pork and other animals such as	Cook all pork products thoroughly to 160°F-170°F;	
Trichinella spiralis		weeks; excepted larvae may persist for years in muscle	by fever, puffy eyes, sweat - ing, weakness and muscle pain; myocarditius and other complications can result	bear and walrus	freeze suspect meat produc at -10°F for 10-20 days befor cooking; prevent cross contamination	

Source: Robert B. Gravani, PhD, Department of Food Science, Cornell University. Adapted from R.B. Gravani, Dairy and Food Sanitation 7(2):77-82, 1987. National Restaurant Association, Applied Food Service Sanitation, 4th Ed., John Wiley and Sons, Inc., NY, 1992. M.P. Doyle, Foodborne Bacterial Pathogens, Marcel Dekker, Inc., NY, 1989