

**Activity Book and Additional Resources** 

Pre-Harvest and Daily Harvest Environmental Assessments



### Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### 1.4 Group Activity – Discovering a Form, Log or Checklist

#### Purpose of the Activity:

To become familiar with the Pre-Harvest and/or Daily Harvest Environmental Assessments' forms, logs or checklists.

#### Supplies:

Provide each participant with one copy of a generic form, log or checklist or your company's actual form, log or checklist used to conduct Environmental Assessments.

Two sample checklists are provided in the next pages.

#### Procedure:

- **1.** Tell the group that you have provided the form, log or checklist used to conduct the Pre-Harvest and/or Daily Harvest Environmental Assessments.
- **2.** Ask for a volunteer to give a detailed description, with his/her own words, of the entire form, log or checklist. After he/she has done it, go to step 3.
- **3.** Take participants through each section of the form, log or checklist leading the discussion included in the workbook on pages 13-16.



# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### **DAILY HARVEST ASSESSMENT**

Harvest Company's Name and Contact Information	Harvest Food Saf	ety Supervisor	Crew	Foreman	Crew#		Ranch	Lot	Assessment Date
All items must be checked ongoing of	during the day! (Inc	dicate: Yes: y or v	; No: n; Not App	olicable: N/A)		Yes	No	Comm	ents/Action taken
ANIMAL INTURSION/ FECAL MATTER							•		
Is the block free of the presence or evidence of anin	nal hazards and/or	feces? If not, is th	ne hazard:						
LOW risk? Please document whether the Companie	es SOP's were follow	ved?							
MEDIUM/HIGH risk? Please document that the req	uired LGMA buffers	were implement	ted and docume	nted.					
HARVEST EQUIPMENT								l	
Are cleaning and sanitation of all harvest equipmen	t performed freque	ntly during the da	av? (Before star	t. after breaks, organ	ic		T		
changeover, field change and at end of day, or if co		,	-,. (==:::==:::	,,8					
Are knifes, baskets, buckets and brushes washed an							+		
Are knifes frequently sanitized? (before start, during		changeover and f	ield change)						
Is the dip station clean and refilled with sanitizer? (k			icia ciialige/				+		
Are Spray Packs cleaned and sanitized (Weekly or n							+		
Are Spray Tanks cleaned and sanitized (Weekly or							+		
Are Spray Nozzles operating properly? (Weekly or									
PRODUCT CONTAINERS	orter ii neede	,						1	
Are packaging materials and containers covered wh	nile storing in the fie	eld over night?			T			1	
Are packaging materials and containers stored off o			ontaminates?					İ	
Are containers and pallets clean and free of loose pa									
Are packaging materials and containers only used to							1		
Are packaging materials and containers inspected b			ris?						
Are contaminated packaging materials discarded, co									
Have any foreign materials been found on the produ									
SANITARY OPERATION OF EQUIPMENT								<u> </u>	
Is harvesting equipment maintained and in good co	ndition?							1	
Is harvesting equipment free of fluid leaks or excess		ıld cause contami	ination?						
Are there loose or damaged parts on the harvest ma					T T				
Are trailers and/or refrigerated trailers inspected fo									
Are product container labels completed with correct	ct information?								
WORKER PRACTICES									
Are there any employees who appear to be sick or v	with open wounds?								
Are the employees clothes clean, and appropriate?									
Are there any employees wearing jewelry or loose it									
Are there any employees eating, drinking, spitting, or	chewing gum/tobac	co or smoking in	actively harvest	ed areas?					
Are employees wearing required protective equipm	ent (hairnets, beard	d nets, clean glov	es, sleeves and	aprons)?					
Are personnel belongings stored outside the activel									
Are employees washing their hands with soap and v	water before staring	g harvest, after br	eaks, and lunch	es and after visiting s	sanitary				
facilities?									
Are there any visitors in field?									
TOILET / HAND WASHING FACILITIES									
Are toilets maintained in good condition? (Check at									
Are toilets supplied with toilet paper on a holder? (0		re start and befor	e breaks)	<u> </u>					
Have toilets been properly cleaned the day prior to									
Are hand washing facilities well stocked with potable	e water, soap in dis	spenser and single	e use paper tow	els?					
	TIME:								
Spray nozzles chlorine level (100-200 ppr	m) free chlorine							i	
οριαγ πο <u>εείο</u> ς επιοτιπε τένει (100-200 μμι	ii, nee emornie								
Knife dip station chlorine level (100-200 ppr	m) free chlorine								
Spray nozzles pH level (6.5-7.5) CHEC	CK EVERY HOUR								
Knife dip station pH level (6.5-7.5) CHEC	CK EVERY HOUR								
FOR	EMAN INITIALS								
Date checklist completed:			Signature o	f Foreman:					

Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### Pre-Harvest Food Safety Environmental Field Assessment

		Time & Date:	Estimated Harvest Date:		
		Grower:	Ranch:	Lo	+•
		Grower.	italicii.		<u>.                                    </u>
		Evaluation	of Potential Risks:	Yes	No
1)	-	ence or evidence of animal intrusions, fur, feathers etc.?)	n in or around the ranch (e.g. downed fencing, tracks,		
	1a)	If the answer to question #1 is "Y MEDIUM/HIGH risk? Please docume	ES", was the contamination determined to be LOW or ent:		
	1b)	If the risk was LOW, was the Com	pany SOP for LOW risk followed?		
	1c)	If the risk was established to be M documentation completed? Attac	MEDIUM/HIGH, were requred LGMA buffers implemented and the corrective action report.		
2)	Is there a his	tory or evidence of flooding, CAFO	, municipal waste, toxic waste, landfill, etc?		
3)	-		impost, CAFO, non-synthetic soil amendments, grazing, as to pose a likely contamination risk to the field to be		
4)	Is there any e	_	source and delivery system may potentially be		
5)		evidence that field workers have no ned in the company food safety pro	ot complied with employee hygiene and sanitary facility ograms?		
6)	Are there any land activity	·	ion risks or hazards present, including unexpected adjacent		

If the answer to any of the above questions is "YES", then the planting block should not be harvested unless remedial action has been completed.

Measurement Criteria and Verification

Was the field harvested? (circle one)	Yes	No
Actions Taken or Additional Comments:	<del>-</del>	
7 Colonia Tallian of Fladitional Collinians		-
		-
Person Completing Pre-Harvest Inspection:		-

This assessment is limited to the time and date of the assessment and inspector does not assume responsibility for other potential hazards that might be found or occur outside of above time frame.



### Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 1.5 Putting Your Knowledge into Practice - Acceptable or Not Acceptable

Write an **A** next to the statement if the practice described is acceptable while conducting a food safety environmental assessment. Write **NA** if the situation is not acceptable and may cause a food safety risk to leafy greens. Discuss each situation with the group after they have completed the activity.

Isaac is conducting a Pre-Harvest Environmental Assessment at 3 fields the week before they will be harvested. These fields have been owned by the company for 10 years and have never had any problems. Isaac has a doctor's appointment, and he is in a rush. He decides to stop by the fields and fill out the form, log or checklist from the back of his truck since the fields have never caused problems.
Juanita lost a clipboard containing 15 Daily Harvest Assessment checklists that she did on a field last month. She filled out new ones at once and gave them to her Food Safety Professional.
Alberto found tracks inside a field, but he is not sure what kind of animals produced the tracks. Before making a decision to harvest the field, he calls his Food Safety Professional, who comes to the field and implements a Corrective Action.
Monica's truck broke down in the morning; she was immediately provided with another company vehicle. She left her clipboard with the Daily Harvest Assessment checklists in her truck and decides to give the go ahead to start harvesting in a field that is only 5 minutes away from her Food Safety Professional's office.
Luisa likes to fill out the Environmental Assessment checklists with pencil and then mark the checklists with a permanent ink pen during her break. Her checklists are generally scratched and disorganized but legible.



# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### **1.6** Putting Your Knowledge into Practice – Quiz

Circle the correct answer to each question. There is only 1 right answer per question. Discuss each question with the group after they have completed the activity.

- 1. When is the "Pre-Harvest Environmental Assessment" conducted?
  - a. Two weeks before harvesting.
  - b. The day before harvesting.
  - c. One to seven days before harvesting.
  - d. Each day of harvest before harvesting begins in that specific block.
- **2.** There are not many differences between the Pre-Harvest and the Daily Harvest Assessments. In both of them you will need to:
  - a. Walk through the entire field doing a visual inspection of the field.
  - b. Answer the questions from a provided form, log or checklist.
  - c. Carefully record all the information from your visual inspection.
  - d. All of the above.
- 3. Which statement is NOT TRUE about "Corrective Actions?"
  - a. It is defined as a change or an improvement made in the field to address a deficiency or to eliminat causes of non-conformities or other undesirable situations in the fields that may pose a food safety risk to leafy greens.
  - b. It includes the creation of a "no harvest" buffer or separation zone around the potentially contaminated area.
  - c. There are many different Corrective Actions that need to be taken depending on the issue that needs to be addressed.
  - d. If a Corrective Action needs to be implemented the Food Safety Professional/personnel does not have to document it.
- **4.** There are many good documenting practices that must be followed while filling out forms, logs or checklists. Which of the following statements is not a good documenting practice?
  - a. The information the Food Safety Professional provides in the checklist is correct and accurate.
  - b. The Food Safety Professional uses permanent ink and no white out is used on the forms.
  - c. If the field assessor has any questions, he calls the Food Safety Professional immediately.
  - d. The Food Safety Professional fills out the forms, logs or checklists in advance.
- **5.** When is the "Daily Harvest Assessment" conducted?
  - a. Two weeks before harvesting.
  - b. The day before harvesting.
  - c. One to seven days before harvesting.
  - d. Each day of harvest before harvesting begins in that specific block.



### Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.1.1 Putting Your Knowledge into Practice – Case Studies

Let's review some examples of situations that can happen in the leafy greens fields and that are covered in this section. Using the information you learned, write down what you should do in each of the following 3 situations.

[Discuss the participants' answers with the group. Ask for volunteers to read their answers out loud.]

and carefully ch	sessment, Marcelo, the harvest company's Food Safety Professional, opens the water nozzle ecks all hoses and connections. He discovers that there is a leak on one of the hand washing hat needs to be done?
employees in th discovered that	very early in the morning to do her Daily Harvest Assessment, there were only a few e field at that time. She opened the door of each one of the portable toilet units and the contracted company failed to service them. She also spotted one employee who was not ds and following the appropriate standard operating procedure for hand washing. What need
to be done?	

Pre-Harvest and Daily Harvest
Environmental Assessments Activity Book

### 2.1.2 Putting Your Knowledge into Practice – Identifying Missing Items

Look at the picture/drawing and write down what is missing in this hand washing station.

1	_
2	_
<b>3.</b> –	_



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### 2.1.3 Putting Your Knowledge into Practice – What's Needed to Prevent Leafy Greens Contamination?

Write down the basic requirements for finding a spot to place a portable unit in the field. Where should it be located, and what are the main requirements that must be met?




# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.2.1 Putting Your Knowledge into Practice - Case Studies

Let's review some situations that may happen in the leafy greens fields and have been found during actual assessments. Using the information you learned, write down what you should do in each of the following 3 situations.

[Discuss the participants' answers with the group. Ask for volunteers to read their answers out loud.]

	A couple of newly-hired employees have cell phone holders attached to their belts, and they are about to start harvesting. You also spot both of them with knives with no sheaths in their back pockets while warming up with the whole crew before entering the field. What needs to be done?
•	A harvesting machine is broken, and maintenance is working on it. While employees wait for it to be repaired, they leave the harvesting area wearing their gloves and aprons on and go to sit in the dirt on the side of a ditch. What would you do in this situation?
•	An employee is spotted not washing his hands after using the restroom. What should you do in this situation?

### Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### **2.2.2** Putting Your Knowledge into Practice – Your Company's Policies

List your company's employee health and personal hygiene practices and policies that you need to observe while conducting a Daily Harvest Assessment.

1	
3	
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9.	
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10.	
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12	

Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### 2.2.3 Putting Your Knowledge into Practice – Risky Food Safety Practices

Look carefully at each photograph and find those that you think pose a food safety risk for lettuce and leafy greens that you must be alert to during the Environmental Assessment. Mark each risk with an X.













# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### 2.2.4 Putting Your Knowledge into Practice – Quiz

Circle the correct answer to each question. There is only 1 right answer per question. Discuss each question with the group after they have completed the activity.

- 1. Which is the only piece of jewelry allowed while working in a field?
  - a. A diamond ring
  - b. Earrings
  - c. A watch
  - d. A plain, smooth wedding band
- **2.** Field workers must not eat, smoke, chew gum or drink beverages other than water while:
  - a. They are not using gloves
  - b. They use the bathroom
  - c. They are working in the field
  - d. They are on a break
- 3. When must gloves be changed or sanitized?
  - a. They are dirty
  - b. They are torn
  - c. When one sneezed and covered the mouth with the hand
  - d. All of the above
- **4.** The arm covers are intended:
  - a. To prevent one's clothes from getting dirty
  - b. To prevent one's clothes from getting wet
  - c. To prevent the contamination of lettuce or leafy greens
  - d. To protect you from contamination



- **5.** All pieces of jewelry must be removed before going to work on the field because:
  - a. They might get lost
  - b. They can be a hassle while using arm covers and hairnet
  - c. They might be dirty
  - d. They can fall on the lettuce or leafy green vegetables and contaminate them
- **6.** What should you do if you cut your finger and start bleeding while picking up lettuce or leafy greens?
  - a. Stay in place and advise your supervisor immediately for evaluation of the wound and surrounding area.
  - b. Put another glove on.
  - c. Cover the wound with a bandage and put a glove on.
  - d. Leave the field immediately.





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Environmental Assessments Activity Book

#### 2.3.5 Putting Your Knowledge into Practice – What's the Right Procedure?

#### **Table 1. Guidelines for Assessment of Surface Water**

The following table contains 3 columns, the first one lists potential issues, the next one lists survey guidelines and the last one lists remediation guidelines (how to correct the issue). They are in the incorrect order and do not match. Match the number on the issue and the corresponding survey and/or remediation guideline accordingly. Discuss the participants' answers with the group. Ask for volunteers to read their answers out loud.

Issue	Survey Guidelines	Remediation Guidelines
1 Animal hazards	Look for any type of trash and debris accumulation.	Redirect contaminated water with diversion dikes, gradients, inlet/outlet control structures, etc.
2 Contaminated waters	Look for dirty/contaminated water that may be draining into the canal.	Remove and dispose of items away from water.
3 Cleanliness	Look for evidence of animal hazards that pose a significant risk (observed animal in canal, fecal deposits or animal carcasses).	Remove animal debris; if animal intrusion is a regular occurrence, investigate the potential cause for intrusion.

Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.3.5 Putting Your Knowledge into Practice – What's the Right Procedure?

#### **Table 2. Sanitary Survey of Distribution System**

The following table contains 2 columns. The first one lists potential issues and the second one lists remediation guidelines (how to correct the issue). They are in the incorrect order and do not match. Match the number on the issue to the corresponding remediation guideline accordingly. Discuss the participants' answers with the group. Ask for volunteers to read their answers out loud.

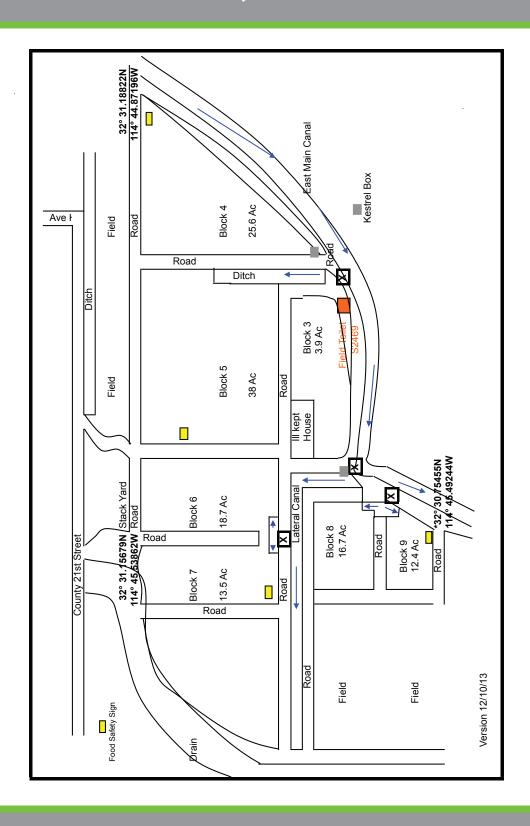
Issue	Remediation Guidelines
There are cross-connections in the plumbing system.	Install a back-flow prevention device on every outdoor faucet (available at most hardware and plumbing supply stores).
There is not adequate backflow protection.	When no longer in use, wells must be destroyed to prevent them from functioning as a vertical conduit for contaminants.
There are dead-end or unused water lines connected to your plumbing system.	Make sure that your plumbing is not connected to another source of water that may be contaminated (e.g., a defunct community water system).
There are abandoned or inactive wells on my property.	Flush lines regularly or remove any unused lines or sections of the water system.

# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.3.6 Putting Your Knowledge into Practice – The Company's Water Systems

In the picture on the next page you can see a field. Please circle the different water sources and draw the following potential contamination scenarios that we should be aware of during an Environmental Assessment. After each scenario write some of the recommendations or Corrective Actions you would take to mitigate any potential risks.

onstruction waste/trash noted north of County 21st along the east side of the Main Canal.
e grower farming north of block 5 received several loads of what seems to be compost and t nade on the field road.
y bales placed along the perimeter to prevent erosion and sand displacement.
n -



Pre-Harvest and Daily Harvest
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#### 2.4.1 Putting Your Knowledge into Practice - Keeping Leafy Greens Safe

Read carefully each of the following situations and explain what the Supervisor overlooked and what Corrective Actions should have been taken. Discuss each situation with the group after they have completed the activity.

	a Supervisor working at the fields of "The Sun Fresh Co." One morning, while doing the ssessment, he notices that a section of the field is flooded and decides to establish a no
	nce of 25 feet. The harvest begins at 25 feet from the flooding. For some reason, the tractor
	by this area and runs into the flooded edge of the field and, since nobody noticed, the drive
	ontinue until finishing up the field. The Supervisor finds out about the tractor running into
the flooded a	area after the harvest has ended and decides to send the harvested product to the cooler.
What was the	e Supervisor's mistake?

# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### 2.4.2 Putting Your Knowledge into Practice – What's Right or Wrong?

Write a short comment on whether or not each of the following food products were grown and/or harvested correctly or what was wrong in each situation.

o wash and not go to wo	ing a tractor, Jose destroys a block that was flooded. Since he was running late, he decides disinfect the tractor the next day. However, the next day he has a family emergency, does ork and forgets to tell his Supervisor about what happened; therefore, the equipment is est lettuce in a different block.
	tices a small flooded area, marks a no harvest distance of 30 feet, and since there are no nts, authorizes the harvest to start.

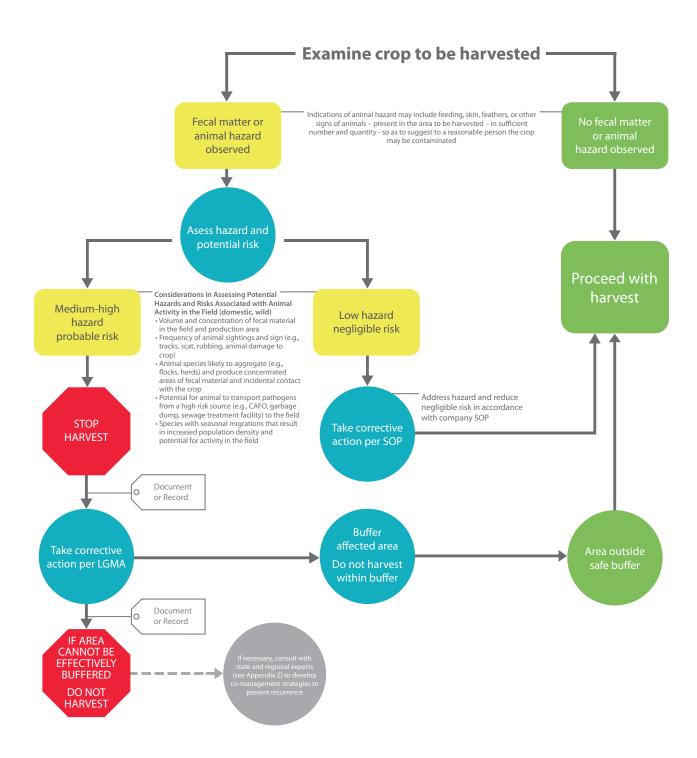
# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.4.3 Putting Your Knowledge into Practice - Quiz

Circle the correct answer to each question. There is only 1 right answer per question.

- 1. What does "field flooding" mean?
  - a. The overflow of water to a field that a producer cannot control and that might contain disease causing microorganisms.
  - b. Normal accumulation of water (e.g., after rainfall) in a field that absorbs rapidly into the soil.
  - c. Temporary accumulation of water in the field due to an irrigation system malfunction.
  - d. The accumulation of crop residues.
- 2. Why should a flooded field NOT be harvested?
  - a. It looks and smells bad.
  - b. It may cause microbial contamination to produce.
  - c. It damages the edible portions of produce.
  - d. It attracts undesirable pests.
- 3. What is a "buffer" zone in a field?
  - a. A portion of the crop that can be harvested.
  - b. A marked section around the potentially contaminated crop area of the crop that you do not harvest.
  - c. The zone that is flooded.
  - d. An area in the field covered by water.





# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### 2.5.1 Putting Your Knowledge into Practice – Indication of Animal Hazards in the Field

Mark the potential indications of animal hazards in the field with an X.

Skin	Pet food
Feathers	Birds
Rotten leafy greens	Fecal matter
Feeding	Signs of broken glass
Money	A soccer ball
Employees eating	Clients visiting

### 2.5.2 Putting Your Knowledge into Practice – Identifying Evidence of Animal Intrusion

Mark the situations that may indicate the intrusion of animals to the field with an X.

Fences collapsed	Animal tracks
Rotten vegetables	Unpainted fences
Animal feces	Residual urine of animals
Plants bitten	Exposed roots of plants
Animal feathers	Animal skin/fur





# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.5.3 Putting Your Knowledge into Practice - Keeping Leafy Greens Safe

Carefully read each of the following case studies. Identify those situations that were overlooked by the Supervisor and state the Corrective Actions that should have been taken. Discuss each situation with the group after they have completed the activity.

field fence ha He became so of feeding and single observ	Pre-Harvest Assessment, the employee assessing the field notices that a section of the s fallen down. The assessor takes a call on his cell phone as he starts walking the field. It distracted with the phone call that he does not notice that some of the crop had signs d a high volume of animal fecal matter in the field. He finishes the assessment without a lation. What was the assessor supposed to do during the inspection? What are the food wolved with animal hazards?
work without on the field b washing stati	ds to get harvested today but the Supervisor calls in sick. The harvesting crew starts to a proper Pre-Harvest Assessment. One hour later one worker notices animal footprints ut decides not to report it because the substitute Supervisor is checking the hand on. The harvesting machine keeps going and passes by a section with animal feces no noticing. What should the worker have done? What are the consequences of not
•	mal feces? What are the food safety risks involved with no reporting?

# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

### 2.6.1 Putting Your Knowledge into Practice - Keeping Leafy Greens Safe

Read carefully and describe what would you do in that scenario. [Discuss the participants' answers with the group.

[Ask for volunteers to read their answers out loud.]

manure?	
_	assessment what would you do if you see a decayed carcass adjacent to the field you are
2. During the a about to start I	
_	
_	

### Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.7.1 Putting Your Knowledge into Practice – Looking for Risks in the Field

Write an **A** (Acceptable) next to the statement if the practice described is acceptable while conducting a food safety Environmental Assessment. Write an **NA** (Not Acceptable) if the situation is not acceptable and poses a food safety risk to leafy greens. Discuss each situation with the group after they have completed the activity.

	upervisor was conducting the Pre-Harvest Assessment and found a plastic bottle in the that a nearby fence is in perfect condition. The field assessor decides to give the OK to .
A grazed distance of 40 fe	zing area is located uphill from the fields; and the Supervisor decides to place a buffer eet.
A graze of	zing area is located downhill from the fields; and the Supervisor decides to place a of 20 feet.
there are anima	ced grazing facility is near the harvest areas. The fence is in perfect condition; however, I tracks in the field. Since the fence was in good condition, the Supervisor does not ent and gives the OK to start harvesting.
	al feces are found approximately 10 ft. from unharvested product. The Supervisor does notident and gives the OK to start harvesting.
measuring the o	is evidence of animals grazing on land immediately adjacent to harvest areas. By distance between these lands and crop lands, the Supervisor finds that it is 20 feet so he any Corrective Action and gives the OK to start harvesting.
fields. The grazin	upervisor found evidence of animals grazing on the land immediately adjacent to the ng areas are 30 feet from the field, fenced, and at the same level as the company's field. doesn't perform any corrective action.



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### 2.7.2 Putting Your Knowledge into Practice – Keeping Leafy Greens Safe

Carefully read the following situations and explain what the Supervisor overlooked and which Corrective Actions should have been taken. Discuss the case study with the group after they have completed the activity.

ernanc	is a food safety assessor. On a Friday morning, while she is doing the Pre-Harvest
Assessn	ent, she notices a slight runoff towards the fields coming from a grazing area located uphill.
Howeve	she decided to dismiss the observation. She assumes the heavy rainfall the night prior was
	of the runoff. She decides to allow the harvest to begin. A few weeks later a national grocer
	ž – ž
	alls 4 bagged salad lots due to contamination with E. coli. The traceback investigation led to
	greens coming from the field Fernanda inspected on that specific day and time. Fortunately
no one	ot sick but as a consequence of the recall, the company must pay fines to retailers, exchange
oroduct	and take a marketing hit. What could have been done in the assessment to prevent this
nciden	

# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.8.1 Putting Your Knowledge into Practice – Looking for Risks in the Field

Contamination in the field may come from unexpected sources. Unlabeled chemical containers are a common finding in the audits. In the assessment you have to make sure you look at all containers to find out if they are properly labeled.



List 5 types of containers commonly found in the field that must be labeled and observed while conducting an environmental assessment.

1		
2		
3		
4		
5		



# Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### 2.8.2 Putting Your Knowledge into Practice – Keeping Leafy Greens Safe

Read carefully each of the following situations and explain which Corrective Actions should have been taken. These events may lead to product contamination, and they also need to be addressed in the Environmental Assessment. Discuss each case study with the group after they have completed the activity.

2. A produ	ct container is being used as a trash can. What needs to be done?
	ng crew 4579 is using a product container for trash, and another product container is used g gloves and packaging materials. What needs to be done?
I. The pers	on conducting the assessment observed two unattached ends of hydraulic lines placed
•	on conducting the assessment observed two unattached ends of hydraulic lines placed astic bottles for catching leaking fluid. What needs to be done?

Pre-Harvest and Daily Harvest
Environmental Assessments Activity Book

### 3.1 Closing Activity – What did you learn?

Write down 5 important things you have learned in this training that you will apply on a daily basis in your job.

1	
2	
3	
4	
5	

### Pre-Harvest and Daily Harvest Environmental Assessments Activity Book

#### **Pre-Harvest and Daily Harvest Environmental Assessments Workbook Test**

Read each of the questions carefully and pick the best answer. There is only 1 right answer per question.

- 1. What is an Environmental Assessment?
  - a. The monitoring of the field conditions.
  - b. The documented visual monitoring of the field conditions with a focus on potential physical, chemical and biological contaminants.
  - c. The post harvest evaluation of the field conditions with a focus on potential physical, chemical and biological contaminants.
  - d. The monitoring of the field conditions with a focus on potential physical, chemical and biological contaminants.
- 2. Which of the following findings should be reported in your Environmental Assessment checklist?
  - a. Animal intrusion in the field.
  - b. Flooding in the field.
  - c. Employee's bad personal hygiene practices.
  - d. All of the above.
- **3.** An employee is spotted not washing his hands after using the restroom. What should you do in this situation?
  - a. Ignore the situation.
  - b. Ask the employee to wash their hands appropriately.
  - c. Take note of the employee and see if it happens again.
  - d. Ask the employee to wear gloves to protect the product.
- **4.** There are many good documenting practices that must be followed while filling out forms, logs or checklists. Which of the following statements is NOT a good documenting practice?
  - a. The information the Food Safety Professional provides in the checklist is correct and accurate.
  - b. The Food Safety Professional uses permanent ink and no white out is used on the forms.
  - c. If the field assessor has any questions, he calls the Food Safety Professional immediately.
  - d. The Food Safety Professional fills out the forms, logs or checklists in advance.



- 5. What do you do if fecal material is found in the field?
  - a. Ignore it and start harvesting.
  - b. Clean the area and start harvesting.
  - c. Set up a buffer zone within 5 feet of the contamination source.
  - d. Set up a buffer zone within 1 foot of the contamination source.
- 6. Which statement is TRUE about "Corrective Actions"?
  - a. It is defined as a change or an improvement made in the field to address a deficiency or to eliminate causes of non-conformities or other undesirable situations in the fields that may pose a food safety risk to leafy greens.
  - b. Corrective Actions can be taken by any employee on the field without informing the company's Food Safety Professional.
  - c. They are optional and it is not necessary to take them when a deficiency or a cause of nonconformity is found on the field.
  - d. If a Corrective Action needs to be implemented the Food Safety Professional/Personnel does not have to document it.
- 7. When can chemicals used in the operation become contaminants?
  - a. When they are labeled correctly.
  - b. When they are used incorrectly or not following the manufacturer's instructions.
  - c. When they are stored in the proper containers or areas.
  - d. All of the above.
- 8. When is the "Pre-Harvest Environmental Assessment" conducted?
  - a. Two weeks before harvesting.
  - b. The day before harvesting.
  - c. One to seven days before harvesting.
  - d. Each day of harvest before harvesting begins in that specific block.



- 9. Which of the following are considered evidences of animal intrusion?
  - a. Feces or urine.
  - b. Bitten plants or exposed roots of plants.
  - c. Feathers, skin or fur.
  - d. All of the above.
- 10. What does "field flooding" mean?
  - a. The overflow of water to a field that a producer cannot control and that might contain disease causing microorganisms.
  - b. Normal accumulation of water (e.g., after rainfall) in a field that absorbs rapidly into the soil.
  - c. Temporary accumulation of water in the field due to an irrigation system malfunction.
  - d. The accumulation of crop residues.
- 11. When inspecting Field Sanitary Facilities which of the following points should you check for?
  - a. Number of facilities and location.
  - b. Cleanliness and supplies.
  - c. Documentation (daily cleaning and servicing, signage.)
  - d. All of the above.
- 12. What is a "buffer" zone in a field?
  - a. A portion of the crop in the field that can be harvested.
  - b. A marked section around the potentially contaminated crop area of the crop that you do not harvest.
  - c. The zone in the field that is flooded.
  - d. An area in the field covered by water.



- 13. What should you do if you spot a leak or a spill in a harvesting machine?
  - a. Stop harvesting and report it immediately to your company's Food Safety Professional.
  - b. Document it and continue harvesting.
  - c. Clean the spill and continue harvesting.
  - d. All of the above.
- 14. Which of the following items can contaminate harvesting machines?
  - a. Raw manure.
  - b. Untreated compost.
  - c. Waters of unknown quality.
  - d. All of the above.
- 15. When is the "Daily Harvest Assessment" conducted?
  - a. Two weeks before harvesting.
  - b. The day before harvesting.
  - c. One to seven days before harvesting.
  - d. Each day of harvest before harvesting begins in that specific block.



