A Retail and Food Service Operator's Guide to Washing Ready-to-eat Lettuce and Leafy Green Salads

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Acknowledgements

 This presentation is based on the document, <u>Recommendations to Retail and Food</u> <u>Service Operators Regarding Washing</u> <u>Ready-To-Eat Lettuce/Leafy Green Salads</u>, that was compiled by the Fresh-Cut Produce Re-Wash Panel assembled by the California Department of Health Services, Food and Drug Branch.

Questions we will address:

- How do ready-to-eat lettuce and leafy green salads affect me and my business?
- Should I wash ready-to-eat lettuce?
- What is cross-contamination and why is it important to avoid?
- What are the rules for washing prepackaged salads?
- How do I identify damaged salad products and what do I do when they are shipped to me?

What do ready-to-eat lettuce and leafy green salads have to do with me?

- 15 billion dollars are spent each year on fresh-cut fruits and vegetables.
- 15% of all produce sales come from the sale of fresh-cut fruits and vegetables.
- Fresh-cut salads alone have sales of 2.7 billion dollars a year.

Two main reasons to buy "ready-to-eat" food products

- 1. They are convenient and ready to eat.
- They reduce the risk of food contamination because they are prepared in controlled manufacturing environments.

Why is it important to avoid cross-contamination?

- An estimated 76 million cases of food borne disease occur each year in the United States.
- 325,000 hospitalizations are related to food-borne disease.
- 5,000 deaths are related to food-borne disease each year.
- Average cost of a food-borne illness to an establishment is \$75,000.

"Foodborne Illness," 2006. Division of Bacterial and Mycotic Diseases, Centers for Disease Control and Prevention."http://www.cdc.gov/ncidod/dbmd/diseaseinfo/foodborneinfections_g.htm#howmanycases "Industry Related Food Safety FAQs," 2006. National Restaurant Association Educational Foundation. http://www.nraef.org/fag/fag_industry.asp



How do I know if my establishment needs to wash ready-to-eat produce?

Check Food Labels!!!

Which Label to look for?



Raw Agricultural Commodities

- Raw agricultural commodity any food in its raw or natural state, including all fruits that are washed, colored, or otherwise treated in their unpeeled natural form prior to marketing.
 - Example: a head of iceberg lettuce
- If the product is a raw agricultural commodity, then you must wash the product before you prepare it for consumption.

Federal Food Drug and Cosmetic Act, US Food and Drug Administration. 2006. http://www.fda.gov/opacom/laws/fdcact/fdcact1.htm

Ready-to-Eat Products

- "Ready-to-eat" pre-washed bagged produce can be used without further washing if kept refrigerated (41°F or lower) and used by the use-by date.
- Look for key terms on the food labels to decide if your produce is a ready-to-eat product.

Key Terms

- You do not have to wash your produce if the food label contains any of these terms:
 - "Washed"
 - "Triple-Washed"
 - "Ready-to-eat"

Rewashing

- It is rare that harmful bacteria will be found on ready-to-eat lettuce.
- If there are harmful bacteria present after commercial washing, the bacteria will be resistant to further washing procedures.
- If proper washing procedures are not followed, there is a risk of CROSS-CONTAMINATION.

Our establishment chooses to wash our prepackaged salads

Follow the Five Rules

Rule One:

- Wash hands before handling ready-to-eat lettuce/leafy green salads.
- Rewash hands often.



Hand Washing Tips

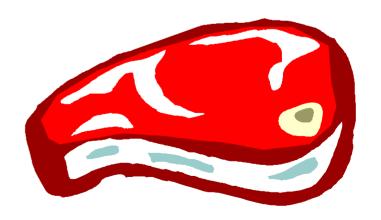
- 1. Remove jewelry.
- 2. Wash hands with soap and warm running water.
- 3. Clean your arms and hands with soap for 20 seconds.
- 4. Don't forget the back of your hands and wrists, and use a nailbrush for under your fingernails.
- 5. Rinse hands and arms with warm running water.
- 6. Use a disposable paper towel to dry hands.

Simonne, Amy, <u>Proper Hand Washing for Food Handlers</u>. 2005 University of Florida IFAS Extension. http://edis.ifas.ufl.edu/pdffiles/fy/FY72600.pdf

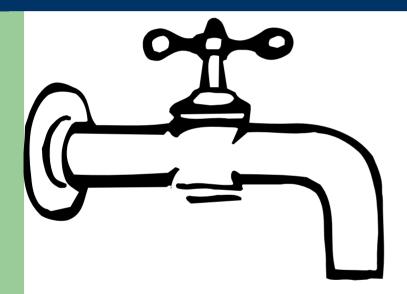
Rule Two:

 Use an environment that is separated from other food items that may carry food-borne illness, such as raw meat and raw poultry.





Rule Three:



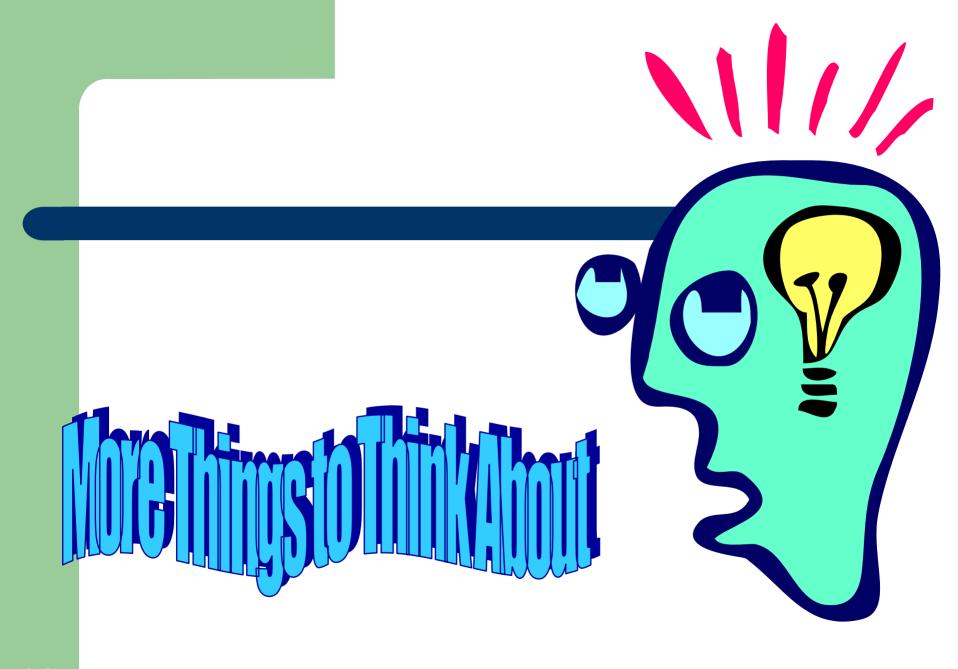
• Clean and sanitize the sink, colander, and any other utensils that will contact the product.

Rule Four:

- The ready-to-eat salad should be washed in cold running water.
- This will reduce the potential for crosscontamination.
- Dry salad with fresh or paper towel or salad spinners.

Rule Five:

- When soaking the product, use an approved and appropriately labeled antimicrobial as per manufacturer's directions.
- Make sure that you monitor the concentrations of solution used for this soaking process.
- DO NOT use household bleach to soak produce.



When hand washing just isn't enough

Try not to handle the salad with your bare hands.

Use gloves.

• Use utensils.



Gloves and utensils are NOT substitutes for proper hand washing

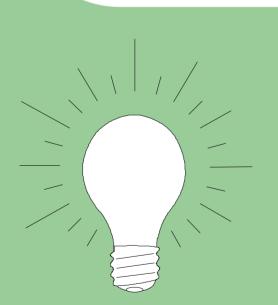


Reminder



- Ready-to-eat lettuce and leafy green salads should be stored in a refrigerator.
- They must also be displayed under refrigeration.

Ready-to-eat lettuce and leafy green salads may be damaged in the shipping process



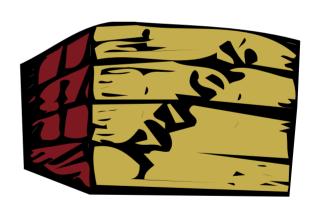
What do we do???

Investigate

- Make sure you inspect the products when you receive them.
- Reject any products that look like they have been tampered with or mishandled.

Signs an item has been tampered with

- Check to see if the boxes or bags that your produce comes in are:
 - Dirty
 - Wet
 - Open
 - Crushed
- Use good judgment.



Example of Dirty Boxes



Examples of Wet Boxes



Examples of Open Bags



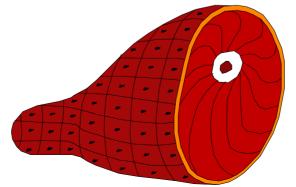
Examples of Crushed Boxes





Storage Concerns

- Pay attention to how you store the ready-toeat salad in order to prevent crosscontamination
- Do not store raw meats on shelves above ready-to-eat salads
 - Juices may spill on the salad and contaminate it.



Spoiled Salad



 If the produce APPEARS to be spoiled and/or has an EXPIRED use-by date, DISCARD IT!

Additional Resources

- http://www.cfsan.fda.gov/~acrobat/lettsup.pdf
- http://portal.fightbac.org/pfse/toolsyoucanuse/phec
- http://www.cfsan.fda.gov/~dms/prodsafe.html

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Questions

