

# Recipe for Disaster:

## **Food Recalls Proliferated While Food Safety Fix Awaits Action in the Senate**

September 2010











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Written by Elizabeth Hitchcock, U.S. PIRG Public Health Advocate, David Plunkett, Center for Science in the Public Interest Senior Staff Attorney, Food Safety Program, and Christopher Waldrop, Consumer Federation of America Food Policy Institute Director

#### ACKNOWLEDGEMENTS

Written by Elizabeth Hitchcock, U.S. PIRG Public Health Advocate, David Plunkett, Center for Science in the Public Interest Senior Staff Attorney, Food Safety Program, and Christopher Waldrop, Consumer Federation of America Food Policy Institute Director with assistance from Komal Karnik and Sara Elazan.

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The authors alone are responsible for any factual errors. The recommendations are those of the organizations. The views expressed in this report are those of the authors and do not necessarily reflect the views of our funders or those who provided editorial review.

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Consumer Federation of America Center for Science in the Public Interest U.S. Public Interest Research Group

### **Recipe for Disaster**

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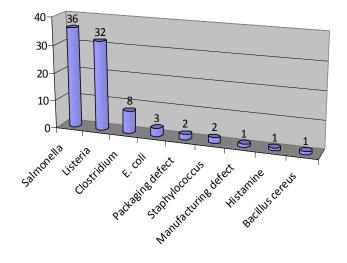
The recall of more than 500 million eggs from two Iowa egg farms is the largest but not the last of 85 recalls that have taken place in the year since food safety reform moved to the U.S. Senate. The U.S. House of Representatives passed the Food Safety Enhancement Act (H.R. 2749) on July 30, 2009. However, the Senate's version of the bill – the FDA Food Safety Modernization Act (S. 510) – has languished while waiting for time on the Senate's floor schedule.

To assess one cost of that delay, Consumer Federation of America, the Center for Science in the Public Interest, and U.S. Public Interest Research Group studied recalls of foods regulated by the Food and Drug Administration (FDA) from August 1, 2009, to the present. That study found that a wide variety of foods were recalled in the 13-month period due to contamination by *Salmonella, Listeria monocytogenes*, and other bacteria. In several cases, the recalls involved products that found their way into other foods, expanding into a "rolling recall" with successive announcements as more contaminated products were identified by FDA. The recalls involved tons of foods, including many name-brand products from more than 150 companies.

While most of the recalls were not connected to outbreaks, illnesses were associated with nine recalls that together were associated with 1,850 reported illnesses. Such confirmed illnesses are rare, as they require a consumer to seek medical care, and for the severity of the illness to lead to laboratory testing. Thus, the absence of confirmed illnesses does not definitively mean that illnesses didn't occur. But it is a good sign that most recalls were initiated before an outbreak was identified.

The majority of the recalls identified by the study involved potentially deadly pathogens. The most common was *Salmonella*, which caused 42 percent of the recalls. Approximately 400 people die from *Salmonella* infections each year, and for some survivors salmonellosis can lead to long-term health impacts such as Reiter's syndrome and reactive arthritis. The second-mostcommon pathogen cited in recall notices was *Listeria monocytogenes*. While *Listeria* may present as flu-like

#### **Pathogens and Dangers in Recalled Products**



There are 85 recalls and 86 counts of microbial contamination due to the Morningland Dairy recall involving both Listeria and Staphylococcus.

symptoms in adults, it causes about 500 deaths each year among children, the elderly and immune compromised persons. It is a particularly serious threat to pregnant women because infections can lead to miscarriage or stillbirth, premature delivery, or infection of the newborn.

Legislation designed to update food safety laws administered by FDA was introduced at the beginning of the 111<sup>th</sup> Congress. While the House and Senate bills differ, both would give FDA the tools to *prevent* future outbreaks and recalls. The bills require food companies to build safety into their processing procedures and provide FDA with the authority to set safety standards and order recalls when those standards are not met. Under both bills, FDA would be required to increase the number of inspections it performs, improving the chances that problems will be caught before they result in major recalls.

|              |  |   |               |                          | <u>No. of</u><br><u>Reported</u> | <u>No. of</u><br><u>States</u> |
|--------------|--|---|---------------|--------------------------|----------------------------------|--------------------------------|
| <u>Date</u>  | <u>Company</u>   | <u>Product</u>                                  | <u>Amount</u> | <u>Reason</u>            | <u>Illnesses</u>                 | <u>Affected</u>                |
| 8/7/2009     | Adams Extract & Spice  | Ground red pepper                               |               | Salmonella               | 0                                | 3                              |
| 8/12/2009    | Peregrina Cheese Corporation                                       | Cheese products                                 |               | Listeria                 | 0                                | 2                              |
| 8/12/2009    | NewStar Fresh Foods  | Iced jumbo green onions                         | 772 cartons   | Salmonella               | 0                                | 3                              |
|              |  | Frozen Culinary Circle gourmet Maca-            |               |                          |                                  |                                |
| 8/14/2009    | Supervalu, Inc.  | roni & Cheese                                   |               | Listeria                 | 0                                | 29                             |
| 8/18/2009    | Quesos Mi Pueblito   | Cheese products                                 |               | Listeria                 | 0                                | 4                              |
| 8/27/2009    | Melon Acres  | Cantaloupe                                      |               | Salmonella               | 0                                | 3                              |
| 8/28/2009    | Circle Produce   | Iceless green onions                            | 1,746 cases   | Salmonella               | 0                                | 1                              |
|              | (8/28/2009) Steinbeck Country                                      | Iceless green onions                            | 3,360 cartons | Salmonella               | 0                                | 9                              |
| 8/29/2009    | Supervalu, Inc.  | Frozen fettucini                                |               | Listeria                 | 0                                |                                |
| 8/30/2009    | Texas Coffee Company   | Red pepper                                      |               | Salmonella               | 0                                | 2                              |
|              |  | Eggo Cinnamon Toast Waffles and Eg-             |               |                          |                                  |                                |
| 9/2/2009     | Kellogg  | go Toaster Swirlz Cinnamon Roll Minis           |               | Listeria                 | 0                                | 51                             |
| 9/4/2009     | Premier Organics   | Artisina Raw Tahini                             | 840 cases     | Salmonella               | 0                                | 51                             |
| 9/10/2009    | Kilwin's Quality Confections, Inc.                                 | Chocolate-covered peanuts                       |               | Salmonella               | 0                                | 12                             |
| 9/11/2009    | Muranaka Farm, Inc.  | Parsley   | 1,005 cases   | Salmonella               | 0                                | 10                             |
| 9/18/2009    | Ippolito International   | Spinach   | 1,715 cases   | Salmonella               | 0                                | 12                             |
| 10/12/2009   | Fisher/Rex Sandwiches  | Sandwiches                                      |               | Listeria                 | 0                                | 3                              |
| 10/12/2009   | John B. Sanfilippo & Son   | Walnuts   |               | Listeria                 | 0                                |                                |
| 10/15/2009   | TGF Production   | Herring Salted                                  |               | Clostridium              | 0                                | 51                             |
|              |  | Apple & Carrot Portable Pouch baby              |               |                          |                                  |                                |
| 10/19/2009   | Plum Organics  | food  |               | Clostridium              | 0                                | 51                             |
| 10/19/2009   | Raley's  | Cantaloupe                                      | 1,120 cartons | Salmonella               | 0                                | 2                              |
|              |  | Vacuum Pack Dried Krasnoperka and               |               |                          |                                  |                                |
| 10/26/2009   | San Link, Inc.   | Vacuum Pack Dried Lesh                          |               | Clostridium              | 0                                | 3                              |
| 11/19/2009   | Service Smoked Fish Corp.  | Smoked Nova Salmon                              |               | Listeria                 | 0                                | 6                              |
| 12/20/2009   | Renard's Cheese  | Bacon cold-pack cheese spread                   |               | Listeria                 | 0                                | 1                              |
| 11/20/2009   | Five Crowns Marketing  | Cantaloupe                                      |               | Salmonella               | 0                                | 10                             |
| 11/22/2009   | Timco Worldwide, Inc.  | Large seedless watermelon                       |               | Salmonella               | 0                                | 2                              |
| 40 10 10000  | TT '1  | Slim-Fast ready-to-drink canned prod-           |               | D 'II                    | 0                                | = 4                            |
| 12/3/2009    | Unilever   | ucts  | 22.050.11     | Bacillus cereus          | 0                                | 51                             |
| 12/17/2009   | Kunze Farms  | Hazelnut kernels                                | 32,950 lbs.   | Salmonella               | 0                                | 7                              |
|              | (12/17/2009) Willamette Shelling                                   | Shelled hazelnuts                               | 114,350 lbs.  | Salmonella               | 0                                | 4                              |
|              | (12/17/2009) Willamette Filbert Growers                            | Shelled hazelnuts and shelled organic hazelnuts | 29, 861 lbs.  | Salmonella               | 0                                | 1                              |
|              | (12/18/2009) Mountain Man Nut & Fruit Co.                          | Products containing shelled hazelnuts           |               | Salmonella               | 0                                |                                |
|              | (12/19/2009) Whole Foods Market                                    | Hazelnuts                                       |               | Salmonella               | 0                                | 6                              |
|              | (12/19/2009) Evonuk Oregon Hazelnuts                               | Roasted hazelnut kernels                        | 6,712.5 lbs.  | Salmonella               | 0                                | 6                              |
|              | (12/19/2009) Harry and David<br>(12/21/2009) Rumt Bide Omberde Inc | Shelled hazelnut kernels                        | 0.9 11.       | Salmonella<br>Salmonella | 0                                | 1                              |
|              | (12/21/2009) Burnt Ridge Orchards, Inc.                            | Shelled hazelnuts                               | 98 lbs.       | Salmonella               | 0                                | 1                              |
|              | (12/22/2009) Market of Choice                                      | Hazelnuts                                       |               | Salmonella               | 0                                | 1                              |
| 10 /02 /0000 | (12/24/2009) Janzen Farms  | Hazelnut kernels                                |               | Salmonella               | 0                                | 2                              |
| 12/23/2009   | Limeno<br>Rea Dire Sectored  | Rico Queso duro blanco                          |               | Salmonella               | 0                                | 1                              |
| 1/6/2010     | Bao Ding Seafood   | Boiled Horse Mackerel                           |               | Clostridium              | 0                                |                                |
| 1/7/2010     | ShopRite   | Hash browns                                     |               | Listeria                 | 0                                |                                |

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| 1/8/2010    | Parkers Farm, Inc.                         | Peanut butter, cheese spreads, salsa   |               | Listeria        | 0                                | 51                      |
|             | (1/11/2010) HP Hood                        | Cold Pack Cheese Food  |               | Listeria        | 0                                | 14                      |
| 1/10/2010   | The Wisconsin Cheeseman                    | Cheese products  |               | Listeria        | 0                                |                         |
|             |  |  |               | Packaging de-   |                                  |                         |
|             |  |  |               | fect - may con- |                                  |                         |
| 1/13/2010   | Nurture, Inc.                              | Baby food pouch meals  |               | tain bacteria   | 0                                |                         |
| 1/14/2010   | PEO Chapter FO                             | Roasted hazelnuts  | 75 lbs.       | Salmonella      | 0                                | 1                       |
| 1/15/2010   | Hines Nut Company                          | Pine Nuts  | 270 packages  | Salmonella      | 0                                | 1                       |
| 1/20/2010   | Giant Eagle Inc.                           | Hash browns  |               | Listeria        | 0                                | 4                       |
| 2/3/2010    | Haifa Smoked Fish, Inc.                    | Whole Schmaltz Herring<br>Chocolate Chip Chewy Coated Granola                      |               | Clostridium     | 0                                | 2                       |
| 2/10/2010   | Trader Joe's                               | Bars<br>Red Darla, Domino, Brewleggio, and   |               | Salmonella      | 0                                | 51                      |
| 2/11/2010   | Estrella Family Creamery                   | Wynoochee River Blue cheeses<br>Queso Fresco, Panela, Requeson chee-               |               | Listeria        | 0                                | 4                       |
| 2/19/2010   | Queseria Bendita                           | ses  |               | Listeria        | 5                                | 2                       |
| 2/25/2010   | Thumb Oilseed                              | Soy grits and flour  |               | Salmonella      | 0                                |                         |
|             | (2/18/2010) Fresh & Easy Neighborhood Mar- |  |               |                 |                                  |                         |
|             | ket, Inc.                                  | Chenry Chocolate Chip Granola Bars   |               | Salmonella      | 0                                | 3                       |
|             | (2/19/2010) Lovin Oven                     | Granola Bars   |               | Salmonella      | 0                                |                         |
|             | (3/11/2010) GFN Foods                      | Gluten-free baked good mixes   |               | Salmonella      | 0                                |                         |
| 2/25/2010*  | Wholesome Spice                            | Crushed red pepper   |               | Salmonella      | 0                                |                         |
| 2/26/2010   | American Pecan Co.                         | Pecan pieces   |               | Salmonella      | 0                                | 3                       |
| 2/26/2010   | Basic Food Flavors, Inc.                   | Hydrolyzed vegetable protein   |               | Salmonella      | 0                                | 51                      |
|             | (2/26/2010) Johnny's Fine Foods            | French Dip Powdered Au Jus   |               | Salmonella      | 0                                | 51                      |
|             | (2/27/2010) Kroger                         | Onion Soup & Dip Mixes   |               | Salmonella      | 0                                | 26                      |
|             | (3/1/2010) T. Marzetti Company             | Veggie and Chip Dips   |               | Salmonella      | 0                                | 51                      |
|             | (3/2/2010) Castella Imports                | Castella Chicken Soup Base   |               | Salmonella      | 0                                | 51                      |
|             |  | Hawaiian Kettle Style Potato Chips - Sweet<br>Maui Onion and Hawaiian - Sweet Maui |               |                 |                                  |                         |
|             | (3/2/2010) Tim's Cascade Snacks            | Onion Rings  |               | Salmonella      | 0                                | 51                      |
|             | (3/3/2010) Reser's Fine Foods, Inc.        | Dressings, dips, redskins potatoes   |               | Salmonella      | 0                                | 51                      |
|             | (3/3/2010) Homemade Gourmet                | Tortilla Soup Mix  | 320 packages  | Salmonella      | 0                                | 51                      |
|             | (3/3/2010) Earth Island                    | Tofu, pastas, burritos, beef, dressings  |               | Salmonella      | 0                                | 51                      |
|             | (3/4/2010) Creative Contract Packaging     | Bouillon products  |               | Salmonella      | 0                                |                         |
|             | (3/4/2010) Orval Kent                      | Culinary Circle dips   |               | Salmonella      | 0                                | 51                      |
|             | (3/5/2010) McCormick & Company             | Dip mix and bread stuffing   |               | Salmonella      | 0                                | 51                      |
|             | (3/5/2010) Concord Foods                   | Vegetable Dip Seasoning mix  |               | Salmonella      | 0                                | 51                      |
|             | (3/5/2010) National Pretzel Company        | Honey Mustard Onion Seasoned Pretzels  |               | Salmonella      | 0                                | 51                      |
|             | (3/5/2010) Mrs. Gerry's Kitchen, Inc.      | Spinach dips   |               | Salmonella      | 0                                | 11                      |
|             | (3/5/2010) Ventura Foods                   | Dean's Dip products  |               | Salmonella      | 0                                |                         |
|             | (3/5/2010) Fresh Food Concepts             | Spinach dips and crab spread<br>Cracked Pepper and Sea Salt Flavored Kettle        |               | Salmonella      | 0                                | 51                      |
|             | (3/8/2010) Herr Foods, Inc.                | Style Potato Chip  |               | Salmonella      | 0                                | 51                      |

| <u>Date</u> | <u>Company</u>                                 | <u>Product</u>   | <u>Amount</u>    | <u>Reason</u> | <u>No. of</u><br><u>Reported</u><br><u>Illnesses</u> | <u>No. of</u><br><u>States</u><br><u>Affected</u> |
|-------------|--|--|------------------|---------------|--|---|
|             | (2/0/2040) CNICE 1 1                           | Mixes containing honey mustard or onion  |                  |               | 0  | ,   |
|             | (3/8/2010) GNS Foods, Inc.                     | pretzels   |                  | Salmonella    | 0  | 6   |
|             | (3/8/2010) Publix                              | Seasoning mixes<br>Pringles Restaurant Cravers Cheeseburger and<br>Pringles Family Faves Taco Night potato |                  | Salmonella    | 0  |   |
|             | (3/8/2010) Procter & Gamble                    | crisps   |                  | Salmonella    | 0  |   |
|             | (3/9/2010)Nutritional Resources                | Healthwise Cream of Mushroom Soup  |                  | Salmonella    | 0  | 51  |
|             | (3/9/2010) Olde Westport Spice                 | Garden Harvest Special Blend Seasoning   |                  | Salmonella    | 0  | 51  |
|             | (3/10/2010) Austinuts of Dallas, Inc.          | Honey Mustard Pretzels   |                  | Salmonella    | 0  | 1   |
|             | (3/10/2010) Quaker                             | Snack Mix Baked Cheddar  |                  | Salmonella    | 0  | 51  |
|             | (3/11/2010) Emmi - Roth Kase USA               | Cheese spreads   | 1,971 containers | Salmonella    | 0  |   |
|             | (3/12/2010) Tastefully Simple                  | Toasted Garlic & Parmesan Cheese Ball Mix  |                  | Salmonella    | 0  |   |
|             | (3/15/2010) Produce Valley, Inc.               | Produce Valley Toasted Onion Dip Mix   |                  | Salmonella    | 0  |   |
|             | (3/15/2010) Kroger                             | Seasoning blends   |                  | Salmonella    | 0  | 51  |
|             | (3/16/2010) Barcel                             | Tostachos  |                  | Salmonella    | 0  |   |
|             | (3/25/2010) Modern Products                    | Seasonings and broths  |                  | Salmonella    | 0  | 51  |
|             | (3/29/2010) Lance, Inc.                        | Tom's Barbeque Potato Chips  | 28,087 cases     | Salmonella    | 0  | 33  |
|             | (3/30/2010) Watkins, Inc.                      | Crab Snack ぐ Dip Seasoning<br>Instant Beef Soup dry mix and Instant Beef                                   | 306 units        | Salmonella    | 0  | 51  |
|             | (4/27/2010) MiDAS Foods International          | Stroganoff sauce mix   |                  | Salmonella    | 0  | 2   |
| 3/1/2010    | Heartland Foods, Inc.                          | Coarse ground black pepper   |                  | Salmonella    | 0  |   |
| 3/5/2010    | Estrella Family Creamery                       | Old Apple Tree Tomme Cheese  |                  | Listeria      | 0  | 1   |
| 3/5/2010*   | Mincing Overseas Spice Company                 | Black pepper   |                  | Salmonella    | 272  | 12  |
|             | (3/9/2010) Frontier Natural Products Co-op     | Spices/seasonings  |                  | Salmonella    | 0  | 51  |
|             | (3/9/2010) Frontier Natural Products Co-op     | Black pepper, seasoning, and dip mixes   |                  | Salmonella    | 0  | 51  |
|             | (3/17/2010) Spice Barn, Inc.                   | Peppercorns, ground black pepper   |                  | Salmonella    | 0  | 16  |
|             | (3/17/2010) C. H. Guenther & Son, Inc.         | Seasoning mixes, gravies, stews, chicken<br>Uncle Buck's® Beer Batter Mix Lightly-                         |                  | Salmonella    | 0  | 51  |
|             | (3/18/2010) Bass Pro Shops                     | Seasoned   |                  | Salmonella    | 0  | 51  |
|             | (3/19/2010) McCain Foods USA                   | McCain All American Roaster frozen potato pr   | oduct            | Salmonella    | 0  | 51  |
|             | (3/19/2010) John B. Sanfilippo & Son, Inc.     | Snack mixes and cashews  |                  | Salmonella    | 0  | 51  |
|             | (3/23/2010) Blue Line Foodservice Distribution | Little Caesars Spice Paks  |                  | Salmonella    | 0  | 51  |
|             | (3/25/2010) Perfect Candy & Packaging Co.      | Whole Black Peppercorns  |                  | Salmonella    | 0  | 51  |
|             | (3/30/2010) Binell Bros. Cutlery               | Ground black pepper  |                  | Salmonella    | 0  | 1   |
| 3/12/2010   | Special Commodities Corp.                      | White sesame seeds   |                  | Salmonella    | 0  |   |
|             | (3/12/2010) Julia's Spices, Inc.               | Hulled sesame seeds  |                  | Salmonella    | 0  | 2   |
|             | (3/15/2010) Spice Industrial Group, Inc.       | Lian How White Sesame Seeds  |                  | Salmonella    | 0  | 1   |
| 4/2/2010    | NY Gourmet Salads, Inc.                        | Chick Pea Salad  | 60 lbs.          | Listeria      | 0  | 1   |
| 4/4/2010    | Whole Foods Market                             | Whole Catch Yellow Fin Tuna Steaks   |                  | Histamine     | 2  | 28  |
| 4/5/2010    | Del Bueno                                      | Queso Fresco   |                  | Listeria      | 1  | 2   |
| 4/9/2010    | H-E-B  | French Onion Dip   |                  | Salmonella    | 0  |   |
|             |  | Ground Black Pepper Double Golden  |                  |               |  |   |
| 4/14/2010   | MY-A & Co.                                     | Fish   |                  | Salmonella    | 0  | 11  |
| 4/17/2010   | Stop & Shop/Giant                              | Frozen artichoke and spinach dip   |                  | Listeria      | 0  | 10  |

| Dete                    | <b>6</b>                            | Duradurat  | <b>6</b>      | Desser                    | <u>No. of</u><br><u>Reported</u> | <u>No. of</u><br><u>States</u> |
|-------------------------|-------------------------------------|--|---------------|---------------------------|----------------------------------|--------------------------------|
| Date                    | <u>Company</u>                      | <u>Product</u>   | <u>Amount</u> | Reason                    | <u>Illnesses</u>                 | <u>Affected</u>                |
| 5/6/2010                | Freshway Foods                      | Shredded romaine lettuce   |               | E. Coli                   | 26                               | 24                             |
| 5/6/2010                | Mt. Vikos, Inc.                     | Manouri Cheese   |               | Listeria                  | 0                                | 51                             |
| 5/13/2010               | Amish Wedding Foods, Inc.           | Pumpkin and sweet potato butters   |               | Clostridium               | 0                                | 45                             |
| 5/21/2010               | Caldwell Fresh Foods                | Alfalfa sprouts  |               | Salmonella                | 44                               | 51                             |
| 5/24/2010               | Fresh Express                       | Romaine-based ready-to-eat salads  | 224           | Salmonella                | 0                                | 26                             |
| 5/27/2010               | organicgirl Produce                 | Baby spinach   | 336 cases     | Salmonella                | 0                                | 6                              |
| 6/14/2010               | Portland Shellfish Company, Inc.    | Lobster meat   |               | Listeria                  | 0                                | 51                             |
| 6/24/2010               | Lancaster Foods                     | Fresh spinach  |               | Listeria                  | 0                                | 6                              |
|                         |                                     |  |               | Packaging de-             |                                  |                                |
| ( 100 10010             |                                     |  | 4 4 0 5       | fect - may con-           | 0                                | 10                             |
| 6/30/2010               | Tri-Union Seafoods                  | Chicken of the Sea white tuna in water   | 1,105 cases   | tain bacteria             | 0                                | 10                             |
| 7/1/2010                | Azteca Linda Corp.                  | Queso fresco and queso hebra   | 440           | Listeria                  | 0                                | 2                              |
| 7/5/2010                | Marjon Specialty Foods, Inc.        | Sliced apples  | 119 cases     | Listeria                  | 0                                | 1                              |
| 7/7/2010                | Ready Pac Foods, Inc.               | Baby spinach   | 702 cases     | E. Coli                   | 0                                | 3                              |
| 7/8/2010                | J. Hellman Frozen Foods, Inc.       | Senor Mexicano Avocado pulp<br>Miravalle Chile California & Miravalle              | 992 cases     | Listeria                  | 0                                | 2                              |
| 7/8/2010                | Miravalle Foods, Inc.               | Chile Nuevo Mexico   | 37,318 lbs.   | Salmonella                | 0                                | 8                              |
| 7/13/2010               | Fresh Express                       | Romaine lettuce products   |               | E. Coli                   | 0                                |                                |
| 7/15/2010               | D & M Smoked Fish, Inc.             | Schmaltz Herring<br>Raquel's hummus, salads, wraps, sand-                          |               | Clostridium               | 0                                |                                |
| 7/22/2010               | Quong Hop & Co.                     | wiches, burritos, stuffed grape leaves<br>Organic alfalfa sprouts blend and organ- |               | Listeria                  | 0                                | 6                              |
| 7/23/2010               | Specialty-Farms                     | ic alfalfa sprouts salad   |               | Listeria                  | 0                                | 9                              |
| 7/23/2010               | Pasco Processing                    | Corn and poblano peppers   | 2,087 cases   | Listeria<br>Manufacturing | 0                                | 3                              |
| 8/4/2010                | Optimus, Inc.                       | Eugenio Brezzi Truffle Puree   |               | defect                    | 0                                | 17                             |
| 8/6/2010                | Mexicali Cheese Corp.               | Queso Cotija Cheese  |               | Staphylococcus            | 0                                | 1                              |
| 8/10/2010               | Fresh Express                       | Veggie Lovers salad  | 2,825 cases   | Listeria                  | 0                                | 26                             |
| 8/11/2010               | Goya Foods, Inc.                    | Frozen Mamey Pulp  |               | Salmonella                | 7                                | 11                             |
|                         | (8/18/2010) Fruiti Pops, Inc.       | Mamey Frozen Fruit Bars  |               | Salmonella                | 0                                | 3                              |
|                         | (8/18/2010) Montalvan's Sales, Inc. | Frozen mamey pulp  |               | Salmonella                | 0                                | 5                              |
| 8/13/2010*              |                                     |  | 380,000,000   |                           |                                  |                                |
| *                       | Wright County Egg                   | Shell eggs   | eggs          | Salmonella                | 1,470                            | 51                             |
|                         | (8/19/2010) Country Eggs, Inc.      | Shell eggs   |               | Salmonella                | 0                                | 3                              |
|                         | (8/20/2010) Luberski, Inc.          | Shell eggs   |               | Salmonella                | 0                                | 2                              |
|                         | (8/25/2010) Trafficanda Egg Ranch   | Shell eggs   |               | Salmonella                | 0                                | 1                              |
|                         | (8/27/2010) Sparboe Farms           | Shell eggs   |               | Salmonella                | 0                                | 10                             |
| 8/17/2010               | NY Fish, Inc.                       | Smoked Herring   |               | Clostridium               | 0                                | 1                              |
| 8/18/2010               | Umpqua Dairy                        | Milk products, orange juice, fruit drinks  |               | Salmonella                | 23                               | 3                              |
| 8/19/2010               | Austinuts Wholesale, Inc.           | Pistachio kernel products  |               | Salmonella                | 0                                | 1                              |
|                         | (8/20/2010) Glorybee Foods, Inc.    | Whole raw pistachios   |               | Salmonella                | 0                                | 2                              |
| 8/19/2010<br>8/20/2010* | Snow White Food Products, Inc.      | Alfalfa sprouts  | 170,000,000   | Salmonella                | 0                                | 1                              |
| *                       | Hillandale Farms                    | Shell eggs   | eggs          | Salmonella                | 0                                | 14                             |

| <u>Date</u> | Company                 | <u>Product</u>               | <u>Amount</u> | <u>Reason</u>  | <u>No. of</u><br><u>Reported</u><br><u>Illnesses</u> | <u>No. of</u><br><u>States</u><br><u>Affected</u> |
|-------------|-------------------------|------------------------------|---------------|----------------|--|---|
|             | (8/20/2010) NuCal Foods | Shell eggs                   |               | Salmonella     | 0  | 2   |
|             | (8/23/2010) Moark       | Shell eggs                   |               | Salmonella     | 0  | 2   |
| 8/24/2010   | Azteca Linda Corp.      | Queso fresco and queso hebra |               | Listeria       | 0  | 2   |
| 8/27/2010   | Quesiria Chipilo        | Cheese products              |               | Listeria       | 0  | 5   |
|             |                         | -                            |               | Staphylococcus |  |   |
| 8/30/2010   | Morningland Dairy       | Cheese                       | 68,957 lbs.   | and Listeria   | 0  | 51  |

\*272 cases of illness were reported for a product containing both Wholesome Spice and Mincing Overseas Spice Company ingredients. \*\*1,470 cases of illness were reported overall during the outbreak of Salmonella from Wright County Egg and Hillandale Farms eggs.

| <b>Recalls:</b><br>85 | Companies affected:<br>153                  |                                 | Reported<br>Illnesses:<br>1850 |
|-----------------------|---|---------------------------------|--------------------------------|
|                       | Type of Microbial Contamination             | Total number of related recalls |                                |
|                       | Salmonella                                  | 36                              |                                |
|                       | Listeria                                    | 32                              |                                |
|                       | Clostridium                                 | 8                               |                                |
|                       | E. Coli                                     | 3                               |                                |
|                       | Packaging defect - may contain bacteria     | 2                               |                                |
|                       | Staphylococcus                              | 2                               |                                |
|                       | Manufacturing defect                        | 1                               |                                |
|                       | Histamine                                   | 1                               |                                |
|                       | Bacillus cereus                             | 1                               |                                |
|                       | Total instances of microbial contamination: | 86                              |                                |

\*There are 85 recalls and 86 counts of microbial contamination due to the Morningland Dairy recall (8/30/2010) involving both Listeria and Staphylococcus.

## Recipe for Disaster- Texas recalls

|             |                                     |   |               |                 | <u>Number</u><br><u>of</u><br><u>Reported</u> | <u>Number</u><br><u>of</u><br><u>States</u> |
|-------------|-------------------------------------|---|---------------|-----------------|---|---|
| <u>Date</u> | <u>Company</u>                      | <u>Product</u>  | <u>Amount</u> | <u>Reason</u>   | <u>Illnesses</u>                              | <u>Affected</u>                             |
| 8/7/2009    | Adams Extract & Spice               | Ground red pepper   |               | Salmonella      | -   | 3   |
| 8/14/2009   | Supervalu, Inc.                     | Frozen Culinary Circle gourmet Macaroni 8                                     |               | Listeria        | -   | 29  |
|             | (8/28/2009) Steinbeck Country       | Iceless green onions  | 3,360 cartons | Salmonella      | -   | 9   |
| 8/30/2009   | Texas Coffee Company                | Red pepper  |               | Salmonella      | -   | 2   |
| 9/2/2009    | Kellogg                             | Eggo Cinnamon Toast Waffles and Eggo<br>Toaster Swirlz Cinnamon Roll Minis    |               | Listeria        | -   | 51  |
| 9/4/2009    | Premier Organics                    | Artisina Raw Tahini   | 840 cases     | Salmonella      | -   | 51  |
| 9/11/2009   | Muranaka Farm, Inc.                 | Parsley   | 1,005 cases   | Salmonella      | -   | 10  |
| 10/15/2009  | TGF Production                      | Herring Salted  |               | Clostridium     | -   | 51  |
| 10/19/2009  | Plum Organics                       | Apple & Carrot Portable Pouch baby food                                       |               | Clostridium     | -   | 51  |
| 11/22/2009  | Timco Worldwide, Inc.               | Large seedless watermelon   |               | Salmonella      | -   | 2   |
| 12/3/2009   | Unilever                            | Slim-Fast ready-to-drink canned products                                      |               | Bacillus cereus | -   | 51  |
| 12/17/2009  | Kunze Farms                         | Hazelnut kernels  | 32,950 lbs.   | Salmonella      | -   | 7   |
| 1/8/2010    | Parkers Farm, Inc.                  | Peanut butter, cheese spreads, salsa  |               | Listeria        | -   | 51  |
|             |                                     | Chocolate Chip Chewy Coated Granola   |               |                 |   |   |
| 2/10/2010   | Trader Joe's                        | Bars  |               | Salmonella      | -   | 51  |
| 2/26/2010   | American Pecan Co.                  | Pecan pieces  |               | Salmonella      | -   | 3   |
| 2/26/2010   | Basic Food Flavors, Inc.            | Hydrolyzed vegetable protein  |               | Salmonella      | -   | 51  |
|             | (2/26/2010) Johnny's Fine Foods     | French Dip Powdered Au Jus  |               | Salmonella      | -   | 51  |
|             | (2/27/2010) Kroger                  | Onion Soup & Dip Mixes  |               | Salmonella      | -   | 26  |
|             | (3/1/2010) T. Marzetti Company      | Veggie and Chip Dips  |               | Salmonella      | -   | 51  |
|             | (3/2/2010) Castella Imports         | Castella Chicken Soup Base  |               | Salmonella      | -   | 51  |
|             |                                     | Hawaiian Kettle Style Potato Chips -<br>Sweet Maui Onion and Hawaiian - Sweet |               |                 |   |   |
|             | (3/2/2010) Tim's Cascade Snacks     | Maui Onion Rings  |               | Salmonella      | -   | 51  |
|             | (3/3/2010) Reser's Fine Foods, Inc. | Dressings, dips, redskins potatoes  |               | Salmonella      | -   | 51  |
|             | (3/3/2010) Homemade Gourmet         | Tortilla Soup Mix   | 320 packages  | Salmonella      | -   | 51  |
|             | (3/3/2010) Earth Island             | Tofu, pastas, burritos, beef, dressings                                       |               | Salmonella      | -   | 51  |
|             | (3/4/2010) Orval Kent               | Culinary Circle dips  |               | Salmonella      | -   | 51  |
|             | (3/5/2010) McCormick & Company      | Dip mix and bread stuffing  |               | Salmonella      | -   | 51  |
|             | (3/5/2010) Concord Foods            | Vegetable Dip Seasoning mix   |               | Salmonella      | -   | 51  |
|             | (3/5/2010) National Pretzel Company | Honey Mustard Onion Seasoned Pretzels   |               | Salmonella      | -   | 51  |
|             | (3/5/2010) Fresh Food Concepts      | Spinach dips and crab spread  |               | Salmonella      | -   | 51  |

## Recipe for Disaster- Texas recalls

|             |  |  |               |                         | <u>Number</u><br><u>of</u><br><u>Reported</u> | <u>Number</u><br><u>of</u><br><u>States</u> |
|-------------|--|--|---------------|-------------------------|---|---|
| <u>Date</u> | <u>Company</u>                             | <u>Product</u>                                     | <u>Amount</u> | <u>Reason</u>           | <u>Illnesses</u>                              | <u>Affected</u>                             |
|             |  | Cracked Pepper and Sea Salt Flavored               |               |                         |   |   |
|             | (3/8/2010) Herr Foods, Inc.                | Kettle Style Potato Chip                           |               | Salmonella              | -   | 51  |
|             | (3/8/2010) GNS Foods, Inc.                 | Mixes containing honey mustard or onion            | pretzels      | Salmonella              | -   | 6   |
|             | (3/9/2010)Nutritional Resources            | Healthwise Cream of Mushroom Soup                  |               | Salmonella              | -   | 51  |
|             | (3/9/2010) Olde Westport Spice             | Garden Harvest Special Blend Seasoning             |               | Salmonella              | -   | 51  |
|             | (3/10/2010) Austinuts of Dallas, Inc.      | Honey Mustard Pretzels                             |               | Salmonella              | -   | 1   |
|             | (3/10/2010) Quaker                         | Snack Mix Baked Cheddar                            |               | Salmonella              | -   | 51  |
|             | (3/15/2010) Kroger                         | Seasoning blends                                   |               | Salmonella              | -   | 51  |
|             | (3/25/2010) Modern Products                | Seasonings and broths                              |               | Salmonella              | -   | 51  |
|             | (3/29/2010) Lance, Inc.                    | Tom's Barbeque Potato Chips                        | 28,087 cases  | Salmonella              | -   | 33  |
|             | (3/30/2010) Watkins, Inc.                  | Crab Snack & Dip Seasoning                         | 306 units     | Salmonella              | -   | 51  |
| 3/5/2010*   | Mincing Overseas Spice Company             | Black pepper                                       |               | Salmonella              | 272   | 12  |
|             | (3/9/2010) Frontier Natural Products Co-op | Spices/seasonings                                  |               | Salmonella              | -   | 51  |
|             | (3/9/2010) Frontier Natural Products Co-op | Black pepper, seasoning, and dip mixes             |               | Salmonella              | -   | 51  |
|             | (3/17/2010) Spice Barn, Inc.               | Peppercorns, ground black pepper                   |               | Salmonella              | -   | 16  |
|             | (3/17/2010) C. H. Guenther & Son, Inc.     | Seasoning mixes, gravies, stews, chicken           |               | Salmonella              | -   | 51  |
|             |  | Uncle Buck's <sup>®</sup> Beer Batter Mix Lightly- |               |                         |   |   |
|             | (3/18/2010) Bass Pro Shops                 | Seasoned   |               | Salmonella              | -   | 51  |
|             |  | McCain All American Roaster frozen                 |               |                         |   |   |
|             | (3/19/2010) McCain Foods USA               | potato product                                     |               | Salmonella              | -   | 51  |
|             | (3/19/2010) John B. Sanfilippo & Son, Inc. | Snack mixes and cashews                            |               | Salmonella              | -   | 51  |
|             | (3/23/2010) Blue Line Foodservice          |  |               |                         |   |   |
|             | Distribution                               | Little Caesars Spice Paks                          |               | Salmonella              | -   | 51  |
|             | (3/25/2010) Perfect Candy & Packaging Co.  | Whole Black Peppercorns                            |               | Salmonella              | -   | 51  |
| 4/4/2010    | Whole Foods Market                         | Whole Catch Yellow Fin Tuna Steaks                 |               | Histamine               | 2   | 28  |
| 4/14/2010   | MY-A & Co.                                 | Ground Black Pepper Double Golden Fish             |               | Salmonella              | -   | 11  |
| 5/6/2010    | Mt. Vikos, Inc.                            | Manouri Cheese                                     |               | Listeria                | -   | 51  |
| 5/13/2010   | Amish Wedding Foods, Inc.                  | Pumpkin and sweet potato butters                   |               | Clostridium             | -   | 45  |
| 5/21/2010   | Caldwell Fresh Foods                       | Alfalfa sprouts                                    |               | Salmonella              | 44  | 51  |
| 5/24/2010   | Fresh Express                              | Romaine-based ready-to-eat salads                  |               | Salmonella              | -   | 26  |
| 6/14/2010   | Portland Shellfish Company, Inc.           | Lobster meat                                       |               | Listeria                | -   | 51  |
| 8/4/2010    | Optimus, Inc.                              | Eugenio Brezzi Truffle Puree                       |               | Manufacturing<br>defect | -   | 17  |

## Recipe for Disaster- Texas recalls

| <u>Date</u> | <u>Company</u>                | <u>Product</u>            | <u>Amount</u> | <u>Reason</u>  | <u>Number</u><br><u>of</u><br><u>Reported</u><br><u>Illnesses</u> | <u>Number</u><br><u>of</u><br><u>States</u><br><u>Affected</u> |
|-------------|-------------------------------|---------------------------|---------------|----------------|---|--|
| 8/11/2010   | Goya Foods, Inc.              | Frozen Mamey Pulp         |               | Salmonella     | 7   | 11   |
|             | (8/18/2010) Fruiti Pops, Inc. | Mamey Frozen Fruit Bars   |               | Salmonella     | -   | 3  |
|             |                               |                           | 380,000,000   |                |   |  |
| 8/13/2010** | Wright County Egg             | Shell eggs                | eggs          | Salmonella     | 1,470   | 51   |
| 8/19/2010   | Austinuts Wholesale, Inc.     | Pistachio kernel products |               | Salmonella     | -   | 1  |
|             |                               |                           | 170,000,000   |                |   |  |
| 8/20/2010** | Hillandale Farms              | Shell eggs                | eggs          | Salmonella     | -   | 14   |
|             |                               |                           |               | Staphylococcus |   |  |
| 8/30/2010   | Morningland Dairy             | Cheese                    | 68,957 lbs.   | and Listeria   | -   | 51   |