



Recipe for Disaster:

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

September 2010



**CENTER FOR
Science IN THE
Public Interest**



Georgia PIRG
**Standing Up
To Powerful Interests**



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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.

Our thanks to Brian Walker of U.S. PIRG for cover design.

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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Recipe for Disaster

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

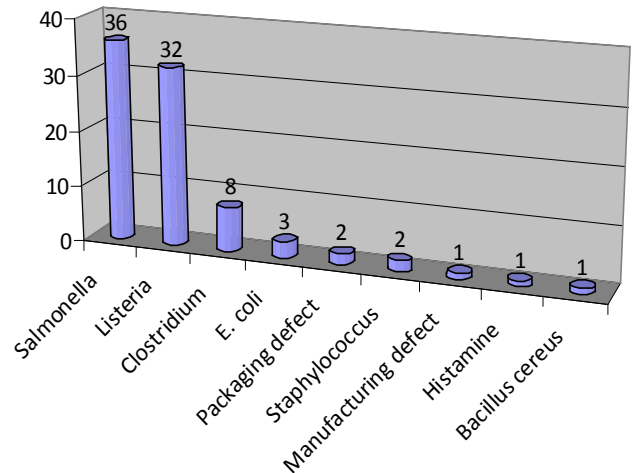
The recall of more than 500 million eggs from two Iowa egg farms is the largest but not the last of 85 recalls that have taken place in the year since food safety reform moved to the U.S. Senate. The U.S. House of Representatives passed the Food Safety Enhancement Act (H.R. 2749) on July 30, 2009. However, 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-most-common 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 111th 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>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>No. of Reported Illnesses</u> | <u>No. of States 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 |
| 8/14/2009 | Supervalu, Inc. | Frozen Culinary Circle gourmet Macaroni & 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 |
| 9/2/2009 | Kellogg | Eggo Cinnamon Toast Waffles and Eggo 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 |
| 10/19/2009 | Plum Organics | Apple & Carrot Portable Pouch baby food | | Clostridium | 0 | 51 |
| 10/19/2009 | Raley's | Cantaloupe | 1,120 cartons | Salmonella | 0 | 2 |
| 10/26/2009 | San Link, Inc. | Vacuum Pack Dried Krasnoperka and | | Clostridium | 0 | 3 |
| 11/19/2009 | Service Smoked Fish Corp. | Vacuum Pack Dried Lesh | | Listeria | 0 | 6 |
| 12/20/2009 | Renard's Cheese | Smoked Nova Salmon | | Listeria | 0 | 1 |
| 11/20/2009 | Five Crowns Marketing | Bacon cold-pack cheese spread | | Salmonella | 0 | 10 |
| 11/22/2009 | Timco Worldwide, Inc. | Cantaloupe | | Salmonella | 0 | 2 |
| | | Large seedless watermelon | | Salmonella | 0 | |
| | | Slim-Fast ready-to-drink canned products | | Bacillus cereus | 0 | 51 |
| 12/3/2009 | Unilever | Hazelnut kernels | 32,950 lbs. | Salmonella | 0 | 7 |
| 12/17/2009 | Kunze Farms | Shelled hazelnuts | 114,350 lbs. | Salmonella | 0 | |
| | (12/17/2009) Willamette Shelling | Shelled hazelnuts and shelled organic hazelnuts | 29,861 lbs. | Salmonella | 0 | 1 |
| | (12/17/2009) Willamette Filbert Growers | Products containing shelled hazelnuts | | Salmonella | 0 | |
| | (12/18/2009) Mountain Man Nut & Fruit Co. | Hazelnuts | | Salmonella | 0 | 6 |
| | (12/19/2009) Whole Foods Market | Roasted hazelnut kernels | 6,712.5 lbs. | Salmonella | 0 | 6 |
| | (12/19/2009) Evonuk Oregon Hazelnuts | Shelled hazelnut kernels | | Salmonella | 0 | 1 |
| | (12/19/2009) Harry and David | Shelled hazelnuts | 98 lbs. | Salmonella | 0 | 1 |
| | (12/21/2009) Burnt Ridge Orchards, Inc. | Hazelnuts | | Salmonella | 0 | 1 |
| | (12/22/2009) Market of Choice | Hazelnut kernels | | Salmonella | 0 | 2 |
| | (12/24/2009) Janzen Farms | Rico Queso duro blanco | | Salmonella | 0 | 1 |
| 12/23/2009 | Limeno | Boiled Horse Mackerel | | Clostridium | 0 | |
| 1/6/2010 | Bao Ding Seafood | Hash browns | | Listeria | 0 | |
| 1/7/2010 | ShopRite | | | | | |

| <u>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>No. of Reported Illnesses</u> | <u>No. of States Affected</u> |
|-------------|----------------------------------------------------|---------------------------------------------------------------------------------|---------------|-----------------------------------------|----------------------------------|-------------------------------|
| 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 defect - may contain bacteria | 0 | |
| 1/13/2010 | Nurture, Inc. | Baby food pouch meals | | | 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 | | Clostridium | 0 | 2 |
| | | Chocolate Chip Chewy Coated Granola Bars | | | | |
| 2/10/2010 | Trader Joe's | Red Darla, Domino, Brewleggio, and Wynoochee River Blue cheeses | | Salmonella | 0 | 51 |
| 2/11/2010 | Estrella Family Creamery | Queso Fresco, Panela, Requeson cheeses | | Listeria | 0 | 4 |
| 2/19/2010 | Queseria Bendita | Soy grits and flour | | Listeria | 5 | 2 |
| 2/25/2010 | Thumb Oilseed | | | Salmonella | 0 | |
| | (2/18/2010) Fresh & Easy Neighborhood Market, Inc. | Cherry 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 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 | | Salmonella | 0 | 51 |
| | | Cracked Pepper and Sea Salt Flavored Kettle Style Potato Chip | | | | |
| | (3/8/2010) Herr Foods, Inc. | | | Salmonella | 0 | 51 |

| <u>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>No. of Reported Illnesses</u> | <u>No. of States Affected</u> |
|-------------|------------------------------------------------|---------------------------------------------------------------------------------------------|------------------|---------------|----------------------------------|-------------------------------|
| | (3/8/2010) GNS Foods, Inc. | Mixes containing honey mustard or onion pretzels | | Salmonella | 0 | 6 |
| | (3/8/2010) Publix | Seasoning mixes | | Salmonella | 0 | |
| | (3/8/2010) Procter & Gamble | Pringles Restaurant Cravers Cheeseburger and Pringles Family Faves Taco Night potato 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 & Dip Seasoning | 306 units | Salmonella | 0 | 51 |
| | (4/27/2010) MiDAS Foods International | Instant Beef Soup dry mix and Instant Beef 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 Uncle Buck's® Beer Batter Mix Lightly-Seasoned | | 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 product | | 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 |

| <u>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>No. of Reported Illnesses</u> | <u>No. of States 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 | | 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 defect - may contain bacteria | | |
| 6/30/2010 | Tri-Union Seafoods | Chicken of the Sea white tuna in water | 1,105 cases | Listeria | 0 | 10 |
| 7/1/2010 | Azteca Linda Corp. | Queso fresco and queso hebra | | 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 | 992 cases | Listeria | 0 | 2 |
| | | Miravalle Chile California & Miravalle | | | | |
| 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 | | Clostridium | 0 | |
| 7/22/2010 | Quong Hop & Co. | Raquel's hummus, salads, wraps, sandwiches, burritos, stuffed grape leaves | | Listeria | 0 | 6 |
| 7/23/2010 | Specialty-Farms | Organic alfalfa sprouts blend and organic alfalfa sprouts salad | | Listeria | 0 | 9 |
| 7/23/2010 | Pasco Processing | Corn and poblano peppers | 2,087 cases | Listeria | 0 | 3 |
| | | | | Manufacturing defect | 0 | 17 |
| 8/4/2010 | Optimus, Inc. | Eugenio Brezzi Truffle Puree | | Staphylococcus | 0 | 1 |
| 8/6/2010 | Mexicali Cheese Corp. | Queso Cotija Cheese | | Listeria | 0 | 26 |
| 8/10/2010 | Fresh Express | Veggie Lovers salad | 2,825 cases | Salmonella | 7 | 11 |
| 8/11/2010 | Goya Foods, Inc. | Frozen Mamey Pulp | | Salmonella | 0 | 3 |
| | (8/18/2010) <i>Fruiti Pops, Inc.</i> | <i>Mamey Frozen Fruit Bars</i> | | <i>Salmonella</i> | 0 | 5 |
| | (8/18/2010) <i>Montalvan's Sales, Inc.</i> | <i>Frozen mamey pulp</i> | | <i>Salmonella</i> | 0 | |
| 8/13/2010* | | | 380,000,000 | | | |
| * | Wright County Egg | Shell eggs | eggs | Salmonella | 1,470 | 51 |
| | (8/19/2010) <i>Country Eggs, Inc.</i> | <i>Shell eggs</i> | | <i>Salmonella</i> | 0 | 3 |
| | (8/20/2010) <i>Luberski, Inc.</i> | <i>Shell eggs</i> | | <i>Salmonella</i> | 0 | 2 |
| | (8/25/2010) <i>Trafficanda Egg Ranch</i> | <i>Shell eggs</i> | | <i>Salmonella</i> | 0 | 1 |
| | (8/27/2010) <i>Sparboe Farms</i> | <i>Shell eggs</i> | | <i>Salmonella</i> | 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) <i>Glorybee Foods, Inc.</i> | <i>Whole raw pistachios</i> | | <i>Salmonella</i> | 0 | 2 |
| 8/19/2010 | Snow White Food Products, Inc. | Alfalfa sprouts | | Salmonella | 0 | 1 |
| 8/20/2010* | | | 170,000,000 | | | |
| * | Hillandale Farms | Shell eggs | eggs | Salmonella | 0 | 14 |

| <u>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>No. of Reported Illnesses</u> | <u>No. of States 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 |
| 8/30/2010 | Morningland Dairy | Cheese | 68,957 lbs. | Staphylococcus 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.

| Recalls: | Companies affected: | Reported Illnesses: |
|-----------------|----------------------------|----------------------------|
| 85 | 153 | 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- Georgia recalls

| <u>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>Number of Reported Illnesses</u> | <u>Number of States Affected</u> |
|-------------|-------------------------------------|---------------------------------------------------------------------------------------------|---------------|-----------------|-------------------------------------|----------------------------------|
| 8/12/2009 | NewStar Fresh Foods | Iced jumbo green onions | 772 cartons | Salmonella | - | 3 |
| 9/2/2009 | Kellogg | Eggo Cinnamon Toast Waffles and Eggo Toaster Swirlz Cinnamon Roll Minis | | Listeria | - | 51 |
| 9/4/2009 | Premier Organics | Artisina Raw Tahini | 840 cases | Salmonella | - | 51 |
| 9/10/2009 | Kilwin's Quality Confections, Inc. | Chocolate-covered peanuts | | Salmonella | - | 12 |
| 9/18/2009 | Ippolito International | Spinach | 1,715 cases | Salmonella | - | 12 |
| 10/15/2009 | TGF Production | Herring Salted | | Clostridium | - | 51 |
| 10/19/2009 | Plum Organics | Apple & Carrot Portable Pouch baby food | | Clostridium | - | 51 |
| 12/3/2009 | Unilever | Slim-Fast ready-to-drink canned products | | Bacillus cereus | - | 51 |
| 1/8/2010 | Parkers Farm, Inc. | Peanut butter, cheese spreads, salsa | | Listeria | - | 51 |
| 2/10/2010 | Trader Joe's | Chocolate Chip Chewy Coated Granola Bars | | Salmonella | - | 51 |
| 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 - Sweet Maui Onion and Hawaiian - Sweet Maui Onion Rings | | Salmonella | - | 51 |
| | (3/2/2010) Tim's Cascade Snacks | | | 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 |
| | | Cracked Pepper and Sea Salt Flavored Kettle Style Potato Chip | | Salmonella | - | 51 |
| | (3/8/2010) Herr Foods, Inc. | | | Salmonella | - | 51 |
| | (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) Quaker | Snack Mix Baked Cheddar | | Salmonella | - | 51 |

Recipe for Disaster- Georgia recalls

| <u>Date</u> | <u>Company</u> | <u>Product</u> | <u>Amount</u> | <u>Reason</u> | <u>Number of Reported Illnesses</u> | <u>Number of States Affected</u> |
|--------------------|------------------------------------|---------------------------------------------------|------------------|-----------------------------|-------------------------------------|----------------------------------|
| (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 |
| (3/9/2010) | 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 |
| (3/18/2010) | Bass Pro Shops | Uncle Buck's® Beer Batter Mix Lightly-Seasoned | | Salmonella | - | 51 |
| (3/19/2010) | McCain Foods USA | McCain All American Roaster frozen 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 | Freshway Foods | Shredded romaine lettuce | | E. Coli | 26 | 24 |
| 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 |
| 6/14/2010 | Portland Shellfish Company, Inc. | Lobster meat | | Listeria | - | 51 |
| 8/13/2010** | Wright County Egg | Shell eggs | 380,000,000 eggs | Salmonella | 1,470 | 51 |
| 8/30/2010 | Morningland Dairy | Cheese | 68,957 lbs. | Staphylococcus and Listeria | - | 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.