

## U.S. Recalls of Nuts: Table and References

To repost or cite, please use the following citation: Yada, S., and L. J. Harris. 2019. Recalls of tree nuts and peanuts in the U.S., 2001 to present (version 2) [Table and references]. In U.S. recalls of nuts. Available at: [http://ucfoodsafety.ucdavis.edu/Nuts\\_and\\_Nut\\_Pastes](http://ucfoodsafety.ucdavis.edu/Nuts_and_Nut_Pastes).

\* A previous version of this document is available on the website in the “Archived Documents, Nuts and Nut Pastes” folder.

### Recalls of tree nuts and peanuts in the U.S., 2001 to February 15, 2019

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
01/28/2019 (133)	almond, cashew, coconut, hazelnut, peanut, and seeds (chia, pumpkin, sesame, sunflower)	I	nut (and seed) butters (16-oz plastic jars)	Oskri Corporation (Lake Mills, WI)	<i>Listeria</i> <i>monocytogenes</i> isolation in multiple Oskri Corporation manufactured nut butters	(all Oskri Corp. manufactured nut butters with Best By dates of June 2020 and earlier)		yes	none reported
12/17/2018 (131) & *expanded 12/20/2018 (132)	almond, *peanut, *tahini (sesame)	I	organic almond butter, peanut butter, and tahini butter (16-oz jars)	Inspired Organics LLC (Warren, MI)	Potentially contaminated with <i>Listeria</i> <i>monocytogenes</i> ; Lm isolation in product testing initiated by company	Inspired Organics	Lot#239; *all lots		none reported
11/02/2018 (130)	pistachio	I	roasted and salted inshell natural pistachios (1- to 2.7-oz packs)	Barcelona Nut Company (Baltimore, MD)	Potentially contaminated with <i>Salmonella</i> ( <i>Salmonella</i> isolation in routine testing by supplier ARO)	Barcelona	239 cases		none reported
10/06/2018 (129)	pistachio	I	roasted and salted inshell natural pistachios (16-oz and 5-lb bags; 25-lb bulk box)	Bazzini LLC (Allentown, PA)	Potentially contaminated with <i>Salmonella</i>	Bazzini's Super Colossal, Colossal, Rams Head	4,000 lb		none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
09/24/2018 (128)	macadamia	I	plain, roasted salted, honey roasted, dark chocolate and assorted flavor macadamia nuts (assorted sizes)	Mauna Loa Macadamia Nut Corp. (Keaau, HI)	Potentially contaminated with <i>E. coli</i> ( <i>E. coli</i> was detected in water well and distribution system)	Mauna Loa	All product produced between Sept 6–21, 2018		none reported
04/04/2018 (127)	coconut	I	grated coconut, frozen (16-oz plastic bags)	Global Commodities Corp. (Hayward, CA)	Potentially contaminated with <i>Salmonella</i>	Buenas	1 lot		none reported
03/23/2018 (126)	coconut	I	coconut flour (16-oz pouches)	King Arthur Flour Co., Inc. (Norwich, VT)	<i>Salmonella</i> isolation in routine testing	100% Organic, Finely Ground Coconut Flour	6,300 cases		none reported
03/19/2018 (125)	coconut	I	dried, raw coconut (10-oz bags)	Vitamin Cottage Natural Foods Markets, Inc. (Lakewood, CO)	<i>Salmonella</i> Typhimurium associated with outbreak and isolated from product	Natural Grocers Coconut Smiles Organic			6
03/16/2018 (124)	coconut	I	dried, raw coconut (25-lb bulk cases; 9-oz bags)	International Harvest, Inc. (Mount Vernon, NY)	<i>Salmonella</i> Typhimurium associated with outbreak and isolated from product	Go Smiles Dried Coconut Raw (bulk); Organic Go Smile! Dried Coconut Raw	14,620 lb (bulk); 24,270 bags	yes	8: out of 14 total for 124+125
01/03/2018 (123)	coconut	I	shredded coconut, frozen (16-oz plastic bags)	Evershing International Trading Co. (San Jose, CA)	<i>Salmonella</i> I 4,[5],12:b:- and S. Newport; associated with outbreak and isolated from product	Coconut Tree			27 + 1
06/19/2017 (122)	pine nut	I	hummus with pine nut topping (10-oz packs)	House of Thaller (Knoxville, TN)	Roasted pine nuts from supplier (HVF, Inc.) potentially contaminated with <i>Listeria monocytogenes</i>	Fresh Foods Market, Lantana, Marketside			none reported
06/14/2017 (121)	almond	I	nut bars containing almond butter or almonds (0.9-, 1.4-, 2.3-oz)	GoMacro (Viola, WI)	Almond ingredient from supplier (1 lot) potentially contaminated with	MacroBar (coconut + almond butter + chocolate), Thrive (chocolate, nuts &			none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
			bars)		<i>Listeria monocytogenes</i>	sea salt; caramel coconut)			
05/26/2017 (119) & *expanded 06/16/2017 (120)	cashew, *almond	I	organic roasted salted cashews (8-oz tubs); *organic roasted unsalted cashews and organic roasted unsalted almonds (8-oz)	Hampton Farms (Severn, NC)	Potentially contaminated with <i>Listeria monocytogenes</i>	Ava's	225 units *650 units		none reported
05/24/2017 (117) & expanded 06/15/2017 (118)	macadamia	I	dry roasted macadamias (12-oz packs)	Kroger Co. (Cincinnati, OH)	Potentially contaminated with <i>Listeria monocytogenes</i>	Simple Truth (UPC number 11110-02478)			none reported
05/04/2017 (115) & *expanded 06/16/2017 (116)	cashew, *almond	I	cashew butter (roasted and ginger wasabi (10-oz plastic jars); * mango chili (cashew), and roasted almond butter	NOW Health Group, Inc. (Bloomington, IL)	Potentially contaminated with <i>Listeria monocytogenes</i>	Ellyndale Nutty Infusions			none reported
01/06/2017 (114)	hazelnut	I	raw inshell hazelnuts, partially shelled nuts?	Oregon Health Authority re: Schmidt Farm and Nursery (McMinnville, OR)	<i>Salmonella</i> Typhimurium; associated with outbreak and isolated from product	nuts sold at Schmidt Farm and Nursery roadside stand			5
12/14/2016 (112) & *expanded 12/20/2016 (113)	pistachio	I	raw shelled pistachios (bulk, prepackaged); *roasted nut butter	H-E-B (San Antonio, TX)	Potentially contaminated with <i>Salmonella</i>	Central Market, SunRidge Farms, and bulk product with no brand; Fireside Roasted Nut Butter			none reported
06/21/2016 (111)	macadamia	I	raw macadamias (6-oz clear plastic tubs)	Marin Food Specialties, Inc. (Byron, CA)	<i>Salmonella</i> isolation in routine testing by FDA	Whole Foods Market Raw Macadamia Nuts			none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
06/16/2016 (110)	pistachio	I	raw pistachios (6-oz bags)	Crescent Specialty Foods, Inc. (Everett, WA)	<i>Salmonella</i> isolation in routine testing by FDA	Crescent Nuts & Dried Fruits			none reported
05/13/2016 (109)	walnut	I	Cape Cod Cranberry Trail Mix (7-oz packs) containing walnuts	HMSHost (Bethesda, MD)	Snack manufacturer, Woodstock Farms Manufacturing, isolated <i>Listeria</i> <i>monocytogenes</i> in two walnut lots used	Fresh Attractions, Ciao, Farmers Market, Grounded In, La Tapenade, MKT, Marche, Pronto, PZA, The Local, and Urban Market			none reported
05/10/2016 (108)	walnut	I	raw walnuts (7-oz pack), walnut halves and pieces (6-, 7-oz; 2.5-lb packs), walnut- containing trail mix	United Natural Trading LLC, d/b/a Woodstock Farms Manufacturing (Edison, NJ)	<i>Listeria</i> <i>monocytogenes</i> isolation in single sample upon testing	Nature's Promise, Woodstock, Market Basket, Woodfield Farms		yes	none reported
03/23/2016 (107)	pistachio	I	roasted and salted pistachios (2.5-, 4-, 7.5-oz bags)	American Gourmet (Vista, CA)	Supplier-initiated voluntary recall for possible <i>Salmonella</i> contamination	American Gourmet			none reported
03/14/2016 (106)	pistachio	I	pistachios, mixes containing pistachios (4.75- to 12-oz packs)	Texas Star Nut and Food Co., Inc. (Boerne, TX)	<i>Salmonella</i> isolation in routine testing by FDA	Nature's Eats, Fresh Choice, Southern Grove			none reported
03/10/2016 (103–105)	pistachio	I	roasted inshell and shelled (various flavors, and pack sizes)	Wonderful Pistachios (Lost Hills, CA)	<i>Salmonella</i> contamination – epidemiologically linked to S. Montevideo and Senftenberg outbreak	Wonderful, Paramount Farms, Trader Joe's		yes	11
02/23/2016 (102)	macadamia	I	raw macadamia nuts, chopped and diced (2-, 2.25-, 5-, 16-oz	Marathon Ventures Inc. (Bellevue, NB)	<i>Salmonella</i> isolation in routine testing by FDA	Bags: HyVee, Market Pantry, Pear's Gourmet, Shurfine, Western Family			none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
			bags; 5-, 25-lb cases)			Bulk: Cash-Wa, Nutpro C.C.			
02/12/2016 (101)	pistachio	I	bulk raw whole (90-lb box), raw kernels (5-oz bag), raw shelled 80% wholes (3-lb bag, 30-lb box)	International Foodsource, LLC (Dover, NJ)	<i>Salmonella</i> isolation in routine testing by FDA	Sam International, Values Naturals, IFS		yes	none reported
02/01/2016 (100)	pistachio	I	raw pistachio kernels (8-oz, 1–5-lb bags); raw nut mix (with pistachios, almonds, cashews, walnuts) (8-oz, 1–25-lb bags); trail mix (8-oz, 1–25-lb bags)	Braga Organic Farms (Madera, CA)	<i>Salmonella</i> isolation in raw pistachio kernels routine testing by FDA	Braga Organic Farms			none reported
01/21/2016 (99)	macadamia	I	organic macadamia nuts, salted and unsalted (6- and 16-oz bags); bulk wholes and pieces (5-lb bag); macadamia nut butter (12-oz tub)	Mahani Mele Farms, LLC (Captain Cook, HI)	<i>Salmonella</i> isolation in routine testing by FDA	Izzie Macs!, Baby Bruddah's (Mac Nut Buttah, Chocolate Mac Nut Buttah)	(3 lots: 026, 027, 029)		none reported
01/15/2016 (98)	cashew	I	raw cashew pieces (16-oz bag)	Heritage International (USA) Inc. (Compton, CA)	<i>Salmonella</i> isolation in one lot in routine testing by FDA	Trader Joe's	(1 lot: Best before 07.17.2016TF4)		none reported

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
12/02/2015 (96, 97)	almond, cashew, hazelnut	I	sprouted nut butter spreads (almond, cashew+ almond, hazelnut) with coconut sugar (1.5- to 16-oz glass jars)	JEM Raw Chocolate, LLC (Bend, OR)	Possible <i>Salmonella</i> contamination - products linked to illnesses by health authorities (FDA, CDC, Oregon - OHA, ODA)	JEM Raw Organics (all products distributed June–Nov 2015)			13
11/06/2015 (95)	pine nut	I	Italian pine nuts (2-oz plastic bags, 3-oz plastic tubs)	World Variety Produce, Inc. (Los Angeles, CA)	<i>Salmonella</i> isolation in routine testing by FDA	Melissa's Italian, Wegman's Italian Classics			none reported
10/02/2015 (94)	macadamia	I	macadamia nuts (6-oz bag); trail mix (8-oz bag)	Texas Star Nut and Food Co. (Boerne, TX)	<i>Salmonella</i> isolation in routine testing by FDA	Nature's Eats (nuts), Southern Grove Simply Raw trail mix			none reported
09/02/2015 (93)	macadamia	I	raw macadamias whole (1-lb, 2-lb, 5-lb packs); unsalted halves and pieces (2-lb packs)	Sincerely Nuts Inc. (Brooklyn, NY)	<i>Salmonella</i> isolation in 2-lb packs in routine testing	Sincerely Nuts			none reported
08/25/2015 (92)	macadamia	I	raw macadamias (1-lb and 8-oz bags)	Sid Wainer and Son (New Bedford, MA)	<i>Salmonella</i> isolation in routine testing by FDA	Jansal Valley	(lot code 469566)		none reported
08/05/2015 (91)	macadamia	I	raw macadamias, organic (6- and 16-oz whole, 5-lb bulk whole and pieces); nut butter (12-oz)	Mahina Mele Farm (Captain Cook, HI)	<i>Salmonella</i> isolation in macadamia nuts in routine testing by FDA	Izzie Macs!, Baby Bruddah's Mac Nut Buttah	(lot 016)		none reported
07/10/2015 (90)	cashew	I	cashew (7-, 14-, 28-oz and 5-lb pouches, and 50- lb bulk tins)	Maya Overseas Foods, Inc. (Maspeth, NY)	<i>Salmonella</i> isolation in routine testing by FDA	Maya Cashew Split	8,000 lb		none reported
07/01/2015 (89)	macadamia	I	Caribbean nut & fruit mix with macadamias (10- oz bags)	Vitamin Cottage Natural Food Markets, Inc. (Lakewood, CO)	<i>Salmonella</i> isolation in macadamia nuts in routine testing by FDA	Natural Grocers	(lot 15- 148)		none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
06/27/2015 (88)	cashew	I	raw cashews (9-oz tubs)	Grand BK Corp. (Maspeth, NY)	<i>Salmonella</i> isolation in routine testing by FDA	Goodies by Nature Raw Cashews			none reported
06/26/2015 (87)	macadamia	I	raw macadamias (bulk), and fruit-and-nut trail mix (16-oz tubs) that contains Brazil nut, cashew, coconut and macadamia	Rocky Mountain Foods, Inc. (Denver, CO)	<i>Salmonella</i> isolation in macadamia nuts in routine testing by FDA	Free Range Snack Co.			none reported
06/25/2015 (86)	macadamia	I	raw macadamias (11-oz tubs)	Whole Foods Market (Austin, TX)	<i>Salmonella</i> isolation in routine testing by FDA	Whole Foods Market Raw Macadamia Nuts			none reported
06/01/2015 (85)	cashew	I	cashew kernels (50-lb bulk cartons)	Hemisphere Group, Inc. (Smithtown, NY)	<i>Salmonella</i> isolation in routine testing by FDA	Vietnam cashew nut kernels (packer: Hong Duc Co. Ltd.)	14,000 lb		none reported
05/27/2015 (83) & expanded 06/10/2015 (84)	macadamia	I	raw macadamias (10-oz bags)	Vitamin Cottage Natural Food Markets Inc. (Lakewood, CO)	<i>Salmonella</i> isolation in routine testing by FDA	Natural Grocers			none reported
05/15/2015 (82)	macadamia	I	raw macadamias (8-oz plastic cups)	Aurora Products, Inc. (Orange, CT)	<i>Salmonella</i> isolation in routine testing by FDA	Aurora brand, and 11 store brand labels, including Belmont Market, Citarella, Ernest & Klein...and Wild by Nature		yes	none reported
05/01/2015 (81)	walnut	I	chopped walnuts (10-oz bags)	John B. Sanfilippo & Son Inc. (Elgin, IL)	<i>Salmonella</i> isolation in routine testing by FDA	Fisher			none reported
04/27/2015 (80)	pine nut	I	raw pine nuts (assorted pack sizes and bulk)	Waymouth Farms, Inc. (New Hope, MN)	<i>Salmonella</i> isolation in routine testing by FDA	Good Sense			none reported
04/17/2015 (79)	walnut	I	walnut halves & pieces (16-oz foam trays)	Hines Nut Co. (Dallas, TX)	<i>Salmonella</i> isolation in routine testing by FDA	Hines Nut	(lot no. 6989)		none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
03/21/2015 (78)	walnut	I	roasted unsalted mixed nuts, and cranberry mix (9- and 9.5-oz packages)	Hannaford Supermarkets (Scarborough, ME)	<i>Salmonella</i> isolation in walnuts in routine testing by FDA	Nature's Place (supplied by Aurora Products, Inc.)			none reported
03/20/2015 (76) & expanded 03/27/2015 (77)	walnut	I	walnuts, mixed nuts and trail mixes containing walnuts (assorted pack sizes and bulk)	Aurora Products, Inc. (Orange, CT)	<i>Salmonella</i> isolation in routine testing by FDA	Aurora, Martin's, Giant, Stop&Shop, Whole Foods Market and numerous private labels		yes	none reported
03/20/2015 (75)	macadamia	I	natural macadamias (6-oz cello bags)	Texas Star Nut and Food Co., Inc. (Boerne, TX)	<i>Salmonella</i> isolation in routine testing by FDA	Nature's Eats	(lot no. 31435001)		none reported
03/17/2015 (74)	walnut	I	raw walnut halves and/or pieces (16-oz plastic bags), organic raw walnut halves & pieces (12-oz plastic bags)	Trader Joe's Co. (Monrovia, CA)	<i>Salmonella</i> isolation in routine testing by FDA	Trader Joe's Nuts, Trader Joe's Organic			none reported
02/10/2015 (73)	walnut	I	walnut halves and pieces (black foam trays with clear overwrap)	Hines Nut Co. (Dallas, TX)	<i>Salmonella</i> isolation in routine testing by FDA	Hines Nut, Harris Teeter Farmers Market	(lot no. 6908)		none reported
02/03/2015 (72)	macadamia	I	raw macadamia nuts (5.6-oz plastic tubs)	Whole Foods Market (Atlanta GA)	<i>Salmonella</i> isolation in routine testing by FDA	Whole Foods Market			none reported
01/30/2015 (71)	pecan	I	pecan pieces (8-oz clear plastic packs)	Stone Mountain Pecan Co. (Monroe, GA)	<i>Salmonella</i> isolation in routine testing by the Georgia Dept. of Agriculture	Pecanettes	540 packages		none reported
01/05/2015 (70)	walnut	I	walnut pieces (various pack sizes)	Eillien's Candies Inc. (Green Bay, WI)	<i>Salmonella</i> isolation in routine testing by FDA	Eillien's, Blain's Farm and Fleet, Mill's Fleet Farm, Piggly Wiggly, Rural King, Trig's			none reported



Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
12/30/2014 (69)	walnut, pecan	I	chopped walnuts (8-oz bag), pecan cookie pieces (8- oz bag)	John B. Sanfilippo & Son, Inc. (Elgin, IL)	<i>Salmonella</i> isolation in package of chopped walnuts in routine testing by FDA	Fisher			none reported
10/31/2014 (68)	macadamia	I	raw macadamia nuts (retail packs, 2-oz to 16-oz; bulk, 5-lb and 25- lb)	Marathon Ventures, Inc. (Bellevue, NB)	<i>Salmonella</i> isolation in routine testing by FDA	Shurfine, Western Family, HyVee, Market Pantry, Mayan Gold, Pear's Gourmet, Cash-Wa Dist., Pegler Sysco			none reported
10/27/2014 (67)	cashew	I	raw cashew pieces (7-, 14-, 28-oz clear plastic packs)	Chetak New York L.L.C. (Edison, NJ)	<i>Salmonella</i> isolation in routine testing by FDA	"Deep raw cashew pieces"	5560 7-oz, 3840 14- oz, and 1920 28- oz packs		none reported
08/19/2014 (65, 66)	almond, peanut	I	almond butter and peanut butter (various types, brands and sizes; packed in glass and plastic jars)	nSpired Natural Foods, Inc. (San Leandro, CA) - products made in Oregon plant	<i>Salmonella</i> isolation in routine testing by FDA	Arrowhead Mills (peanut butters); MaraNatha (almond butters, peanut butters); Kroger, Safeway, Trader Joe's, Whole Foods (almond butters)			6
05/23/2014 (64)	walnut	I	shelled walnuts (16-oz bags)	Sun Tree LLC	possible <i>Listeria</i> contamination	California Grown Shelled Walnuts	46 cases		none reported
05/23/2014 (63)	walnut	I	shelled walnuts (8-oz clear plastic packs)	Belleville Farmer's Market (Belleville, IL)	<i>Listeria</i> contamination	Farmer's Market (pack dates March– May 2014)			none reported
05/21/2014 (62)	walnut	I	raw pieces (10-oz trays, 25-lb bulk boxes)	Sherman Produce (St. Louis, MO)	<i>Listeria</i> contamination	Schnucks (tray pack with best by dates 03/15 and 04/15)	241 cases		none reported
03/22/2014 (61)	peanut	I	peanut butter: creamy, crunchy, honey creamy and honey crunchy (16-oz and 34-oz plastic containers)	Parkers Farm Acquisition, LLC	<i>Listeria</i> contamination	Parkers Farm, Parkers (with sell by dates on or before 3/20/2015)			none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
12/31/2013 (59, 60)	cashew	I	raw cashew cheese (non-dairy product) in 8-oz containers	The Cultured Kitchen (West Sacramento, CA)	<i>Salmonella</i> contamination	The Cultured Kitchen (6 varieties)			17
07/12/2013 (58)	pistachio	I	roasted and salted (various pack sizes)	Torn and Glasser, Inc.	possible <i>Salmonella</i> contamination	Torn and Glasser, Hilo, Sun Harvest, Sprouts			none reported
07/10/2013 & 07/15/2013 (57)	pistachio	I	roasted and salted (various pack sizes); raw, shelled (5-lb boxes)	Western Mixers Produce & Nuts, Inc.	possible <i>Salmonella</i> contamination	Treasured Harvest			none reported
06/04/2013 (55,56)	pistachio	I	raw kernel, no salt; raw inshell; roasted/salted, inshell; roasted inshell, no salt (various sizes)	ARO Pistachios, Inc.	<i>Salmonella</i> (epidemiologically linked to outbreak)		~550,000 lb (total 2012 crop)	yes	8
06/04/2013 (55)	almond, cashew, peanut, pecan, pine nut, walnut, pistachio, mixed nuts	I	assorted - depends on type of nut (various pack sizes)	Lipari Foods, Inc.	possible <i>Listeria</i> <i>monocytogenes</i> contamination	Pic-A-Nut, Alex's Natural, and bulk containers	>1000 cases		none reported
05/02/2013 (54)	hazelnut	I	inshell, raw Barcelona variety (50-lb sacks)	Hazelnut Growers of Oregon	possible <i>Salmonella</i> contamination	Hazelnut Growers of Oregon	5000 lb jumbo; 5000 lb large		none reported
09/20/2012 (53)	macadamia	I	maple macadamia nuts	Nature's Candy	possible <i>Salmonella</i> contamination	bulk	20 25-lb boxes		none reported
03/14/2013 (52)	peanut	II	creamy and crunchy peanut butter	Producers Peanut Company Inc.	aflatoxin above allowable limits	Happy Kids, Peanut Kids, Eden and American Farm Peanut Butters	62,747 lb		not known
03/14/2013 (52)	peanut	II	peanut granules	Producers Peanut Company Inc.	aflatoxin above allowable limits	American Farm Peanut Granules	1 30-lb box		not known

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
12/24/2012 (51)	pistachio	I	raw halves and pieces (30-lb boxes)	Hoop Nuts LLC DBA Christophers Nut Co.	<i>Salmonella</i> contamination	ARO Pistachios/ Orandi Farms	600 lb (20 boxes)		none reported
12/24/2012 (51)	pistachio	I	dry roasted halves and pieces (30-lb boxes)	Hoop Nuts LLC DBA Christophers Nut Co.	<i>Salmonella</i> contamination	ARO Pistachios/ Orandi Farms	600 lb (20 boxes)		none reported
12/02/2012 (49, 50)	hazelnut (filbert)	II CFIA	inshell and mixed inshell nuts containing filberts (various pack sizes, bulk bins)	Loblaws Companies, Ltd.	possible <i>Salmonella</i> contamination	Real Canadian Super Store, Fortinos, No Frills, Freshmart, Zehrs, Loblaws, others			none reported
11/30/2012 (48)	walnut	II CFIA	inshell (300-g bags)	Compass Food Sales	possible <i>Salmonella</i> contamination	Compass			none reported
09/13/2012 (47)	macadamia	I	raw, shelled (25-lb cartons)	Specialty Commodities	possible <i>Salmonella</i> contamination	bulk	27,350 lb		none reported
02/17/2012 (47)	peanut	II	peanut butter (various pack sizes)	Sunshine Peanut Co.	elevated levels of aflatoxin	Sunnyboy, Sunshine Peanut	multiple units		none reported
09/24/2012 (43–45, 46)	peanut, almond, cashew, sesame	I	peanut butter, almond butter, cashew butter, tahini; roasted blanched peanut products; banana peanut and raspberry peanut spreads; peanut butter cups	Sunland, Inc.	<i>Salmonella</i> contamination	Trader Joe's, Sunland, Archer Farms, Fresh & Easy, Heinen's, Joseph's, Natural Value, Naturally More, Open Nature, ...and others	multiple units	yes	42
01/23/2012 (42)	cashew	I	raw organic cashews	Specialty Commodities, Inc.	<i>Salmonella</i> contamination	Mellace Family Brands	225 2x25- lb boxes		none reported
11/16/2011 (40, 41)	peanut	I	natural peanut butter (16-oz jars)	J.M. Smucker Co.	possible <i>Salmonella</i> contamination	Smucker's Natural Chunky	1619 cases: (12 glass jars per case)		none reported
11/04/2011 (38, 39)	pine nut	I	whole, bulk Turkish pine nuts	Sunrise Commodities	<i>Salmonella</i> contamination	Turkish pine nuts (bulk)	>21,000 lb in 22-lb	yes	43

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
							boxes		
09/01/2011 & 09/06–12/ 2011 (37)	walnut	I CFIA	halves, pieces, and walnut- containing products (bulk and various pack sizes)	Johnvince Foods	possible <i>E. coli</i> O157:H7 contamination	Johnvince, No Frills, President's Choice, Reddi Snack, Longo's, Compliments California, others		yes	none reported
07/26/2011 (36)	peanut	II	peanut butter (5-lb jars)	Sunshine Peanut Co.	elevated levels of aflatoxin	Sunnyboy Creamy	1344 cases		none reported
07/25/2011 (35)	peanut	II	peanut butter	American Blanching Co.	elevated levels of aflatoxin	Berryhill Creamy	5724 cases (12/18 oz)		none reported
04/03/2011 (34)	walnut	I CFIA	raw shelled walnuts; products containing walnuts	Amira Enterprises, Inc.	<i>E. coli</i> O157:H7 contamination	Amira, Tia, Merit Selection		yes	14
03/04/2011 (32, 33)	hazelnut	I	inshell hazelnuts; mixed nuts containing hazelnuts	Defranco and Sons, Inc.	<i>E. coli</i> O157:H7 contamination	Sunripe, Sunripe Imperial, and Sunripe Supreme	140,059 lb		8
03/04/2011 (31)	peanut	I	reduced fat peanut butter: creamy, super chunky	Unilever United States, Inc.	possible <i>Salmonella</i> contamination	Skippy	64,020 units: 16.3-oz plastic jars		none reported
11/19/2010 (30)	cashew	I	raw pieces (flex pack inside 50-lb cardboard cartons)	Specialty Commodities Inc.	possible <i>Salmonella</i> contamination	Vietnamese Cashew Nut Kernels crop 2010	28,050 lb		none reported
11/30/2010 (25–29)	walnut	I	raw halves and pieces (25-lb and 50-lb cases)	Atlas Walnut, LLC (manufacturer)	<i>Salmonella</i> contamination		>217,000 lb	yes	none reported
07/30/2010 (24)	macadamia	I	whole (25-lb boxes)	Kennfoods USA, LLC	possible <i>Salmonella</i> contamination		7,400 lb		none reported
07/26/2010 (20–23)	pistachio	I	whole raw and kernels; raw or roasted and salted; nut mixes,	California Delights, Inc.; Austinuts; GloryBee	possible <i>Salmonella</i> contamination	Aunt Patty's, Specialty Commodities, Austinuts	>96,000 lb	2	none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
			salted (various pack sizes)	Foods, Inc.					
02/26/2010 (19)	pecan		pieces (1-lb bags)	American Pecan Co.	<i>Salmonella</i> found in testing by FDA	labeled only as Pecan Pieces			none reported
01/15/2010 (18)	pine nut	I	whole (8-oz foam trays wrapped in cellophane)	Hines Nut Co.	possible <i>Salmonella</i> contamination	Harris Teeter Farmers Market	270 8-oz packages		none reported
12/17/2009 (16, 17)	hazelnut	I	shelled (packed in 25-lb and 50-lb corrugated boxes)	Willamette Shelling (Newberg, OR)	<i>Salmonella</i> found in testing by FDA	Kunze Farms, Evonuk Oregon Hazelnuts, Whole Foods Market, Canadian Hazelnuts, Firestone Farms, Willamette Filbert Growers, Harry and David, others	114,350 lb	13 firms, some recalled multiple products	none reported
10/22/2009 (15)	macadamia	I	raw whole (vacuum packed in 25-lb bags in cartons)	Specialty Commodities, Inc.	possible <i>Salmonella</i> contamination	NutPro CC	22,250 (890 25-lb bags)	yes	none reported
10/09/2009 (14)	walnut	I	nut topping; halves and pieces	John B. Sanfilippo & Sons	possible <i>Listeria</i> <i>monocytogenes</i> contamination	Baking Classics	170 cases		none reported
08/14/2009 (13)	macadamia	II	dry roasted, unsalted; mixed cashews and macadamia	Orchard Valley Harvest	raw macadamia nuts contaminated with <i>Salmonella</i>	Style 4; Rocky Mountain Chocolate Factory	2000 lb; 360 lb mixed	yes	none reported
07/08/2009 (12)	pecan	I	granola-nut clusters	General Mills	pecans possibly contaminated with <i>Salmonella</i>	Nature Valley	141,904 units		none reported
07/06/2009 (11)	pecan	I	roasted, pieces, no salt	John B. Sanfilippo & Sons	possible <i>Salmonella</i> contamination	Fisher	1273 cases, 30 lb each		none reported
03/30/2009 (9) & expanded 04/06/2009 (10)	pistachio	I	roasted and raw, shelled and inshell	Setton Pistachio of Terra Bella	<i>Salmonella</i> isolated from product; serotypes Montevideo, Newport, Senftenberg, Larochelle	sold for further processing	1 million lb	153 firms, multiple products each	none reported

S. Yada and L. J. Harris. Initial funding (2009–2013) provided by USDA NIFSI, 2009-01951.

Updated 2/15/2019. <http://ucfoodsafety.ucdavis.edu/files/162415.pdf>

Date of recall mm/dd/yyyy (Reference)	Type of nut	Recall class	Product	Recalling firm	Reason given	Brand	Quantity	Sub- recalls	Illnesses
01/13/2009 (7, 8)	peanut	I	peanut butter; peanut paste; granulated peanuts; blanched, split, roasted peanuts	Peanut Corp. of America	<i>Salmonella</i> Typhimurium	King Nut, Parnell's Pride; sold for further processing		3,918 products	714
02/14/2007 (6)	peanut	I	peanut butter	ConAgra	<i>Salmonella</i> Tennessee; associated with outbreak	Peter Pan, Great Value	326 million lb	yes	715
05/18/2004 (4, 5)	almond	I	raw, whole	Paramount Farms	<i>Salmonella</i> Enteritidis PT 9c; associated with outbreak	Kirkland, Trader Joes, Sunkist	13.1 million lb	47 firms, multiple products each	47
05/08/2003 (3)	peanut	II	peanut butter	Winn Dixie Stores	elevated levels of aflatoxin	Winn Dixie, Deep South	12,615 cases, 12 jars/case		none reported
05/07/2001 (1, 2)	almond	I	raw, whole	Hughson Nut	<i>Salmonella</i> Enteritidis PT 30; associated with outbreak and isolated from product	sold to Bulk Barn Foods stores			168

## References Cited

Note: Recalls originally listed on the FDA website are available for 3 years before being archived. Recall notices (e.g., firm press releases) listed below for dates from 2007–2014 were accessed at <https://www.fda.gov/Safety/Recalls/ArchiveRecalls/default.htm>.

1. U.S. Food and Drug Administration. 2001. Hughson Nut almonds from California recall update. Available at [www.safetyalerts.com/f/014/f45512.html](http://www.safetyalerts.com/f/014/f45512.html).
2. California Department of Public Health. 2002. Environmental investigation of *Salmonella* Enteritidis, Phage Type 30 outbreak associated with consumption of raw almonds. [Note: document fdb%20eru%20Almond%20SE%20Rpt%202001-2002 is no longer available online from CDPH.]
3. U.S. Food and Drug Administration. 2004. Enforcement report for March 24, 2004. [Note: document ucm120289 is no longer available online from FDA.]
4. California Department of Public Health. 2004. Environmental investigation of *Salmonella* Enteritidis Phage Type 9c outbreak associated with consumption of raw almonds. [Note: document fdb%20eru%20Almond%20SE2004 is no longer available online from CDPH.]
5. Centers for Disease Control and Prevention. 2004. Outbreak of *Salmonella* serotype Enteritidis infections associated with raw almonds—United States and Canada, 2003–2004. MMWR Weekly 53(22):484–487. Available at <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5322a8.htm>.
6. Centers for Disease Control and Prevention. 2007. Multistate outbreak of *Salmonella* serotype Tennessee infections associated with peanut butter—United States, 2006–2007. MMWR Weekly 56(21):521–524. Available at <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5621a1.htm>.
7. U.S. Food and Drug Administration. 2009. Peanut Corporation of America announces voluntary nationwide recall of peanut butter. Firm press release available at <http://wayback.archive-it.org/7993/20170112161904/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2009/ucm128827.htm>.
8. Centers for Disease Control and Prevention. 2010. Multistate outbreak of *Salmonella* Typhimurium infections linked to peanut butter, 2008–2009 (final update). Available at: <http://www.cdc.gov/salmonella/typhimurium/update.html>.
9. U.S. Food and Drug Administration. 2009. Setton Pistachio of Terra Bella, Inc. announces nationwide recall of pistachios because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112160703/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2009/ucm128913.htm>.
10. U.S. Food and Drug Administration. 2009. Setton Pistachio of Terra Bella, Inc. expands voluntary recall of pistachios. Firm press release available at <http://wayback.archive-it.org/7993/20170112160615/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2009/ucm136054.htm>.
11. U.S. Food and Drug Administration. 2010. Enforcement report for January 6, 2010. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm196398.htm>.
12. U.S. Food and Drug Administration. 2009. General Mills announces voluntary recall of limited quantity of ‘Nut Lovers’ flavor of Nature Valley Granola Nut Clusters product. Firm press release available at <http://wayback.archive-it.org/7993/20170112160230/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2009/ucm171228.htm>.
13. U.S. Food and Drug Administration. 2009. Recalls and field corrections, November 11, 2009, (p. 6). Available at <http://www.fda.gov/downloads/Safety/Recalls/EnforcementReports/UCM190289.pdf>.
14. U.S. Food and Drug Administration. 2009. Enforcement report for December 16, 2009. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm194865.htm>.
15. U.S. Food and Drug Administration. 2010. Enforcement report for March 10, 2010. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm204085.htm>.

16. U.S. Food and Drug Administration. 2009. Willamette Shelling recalls shelled hazelnuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170111131342/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2009/ucm194806.htm>.
17. U.S. Food and Drug Administration. 2009. Kunze Farms recalls hazelnut kernels because of possible health risks. Firm press release available at <http://wayback.archive-it.org/7993/20170111131344/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2009/ucm194867.htm>.
18. U.S. Food and Drug Administration. 2010. Hines Nut Company announces recall of pine nuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112155710/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2010/ucm197825.htm>.
19. U.S. Food and Drug Administration. 2010. American Pecan Co. recalls pecans because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112155547/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2010/ucm202292.htm>.
20. U.S. Food and Drug Administration. 2010. Enforcement report for October 6, 2010. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm228605.htm>.
21. U.S. Food and Drug Administration. 2010. Austinuts Wholesale, Inc. announces voluntary recall of pistachio kernel products. Firm press release (August 19, 2010) available at <http://wayback.archive-it.org/7993/20170112154456/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2010/ucm223524.htm>.
22. U.S. Food and Drug Administration. 2010. GloryBee Foods recalls whole raw pistachio and whole raw pistachio kernels because of possible health risk. Firm press release (August 20, 2010) available at <http://wayback.archive-it.org/7993/20170112154439/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2010/ucm223531.htm>.
23. U.S. Food and Drug Administration. 2010. Enforcement report for October 20, 2010. <https://www.fda.gov/Safety/Recalls/EnforcementReports/ucm230357.htm>.
24. U.S. Food and Drug Administration. 2010. Enforcement report for September 8, 2010. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm225223.htm>.
25. U.S. Food and Drug Administration. 2010. Enforcement report for December 29, 2010. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm238394.htm>.
26. California Department of Public Health. 2010. Atlas Walnuts issues a voluntary recall on all walnuts products due to possible health risk. [Note: document fdbFrAWn no longer available online from CDPH.]
27. U.S. Food and Drug Administration. 2010. Mojave Foods Corporation initiates recall due to possible health risk from walnut ingredient. Firm press release (December 8, 2010) available at <http://wayback.archive-it.org/7993/20170111131143/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2010/ucm236227.htm>.
28. U.S. Food and Drug Administration. 2010. Tropical Nut & Fruit of Charlotte, NC announces a nationwide voluntary recall of walnut products because of possible health risk. Firm press release (December 10, 2010) available at <http://wayback.archive-it.org/7993/20170111131132/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2010/ucm236656.htm>.
29. U.S. Food and Drug Administration. 2011. Enforcement report for January 5, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm239148.htm>.
30. U.S. Food and Drug Administration. 2011. Enforcement report for June 1, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm257558.htm>.
31. U.S. Food and Drug Administration. 2011. Enforcement report for May 18, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm255870.htm>.
32. U.S. Food and Drug Administration. 2011. Enforcement report for April 27, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm252912.htm>.
33. Centers for Disease Control and Prevention. 2011. Investigation update: multistate outbreak of *E. coli* O157:H7 infections associated with in-shell hazelnuts (final update). Available at <http://www.cdc.gov/ecoli/2011/hazelnuts0157/index.html>.



34. Canadian Food Inspection Agency. 2011. Certain bulk and prepackaged raw shelled walnuts may contain *E. coli* O157:H7 bacteria. (Health hazard alert, April 4, 2011, updated April 8 and 11.) Available at <http://www.inspection.gc.ca/about-the-cfia/newsroom/food-recall-warnings/complete-listing/2011-04-04/eng/1359548340145/1359548340176>.
35. U.S. Food and Drug Administration. 2011. Enforcement report for September 28, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm273764.htm>.
36. U.S. Food and Drug Administration. 2011. Enforcement report for October 12, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm275510.htm>.
37. Canadian Food Inspection Agency. 2011. Certain bulk and prepackaged raw shelled walnuts may contain *E. coli* O157:H7 bacteria. (Health hazard alert, September 1, 2011, updated September 6, 7, 8, 9, and 12.) Available at <http://healthycanadians.gc.ca/recall-alert-rappel-avis/inspection/2011/17101r-eng.php>.
38. U.S. Food and Drug Administration. 2011. FDA confirms *Salmonella* on Sunrise Commodities' Turkish pine nuts. Available at <http://wayback.archive-it.org/7993/20170112151204/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm278717.htm>.
39. Centers for Disease Control and Prevention. 2011. Multistate outbreak of human *Salmonella* Enteritidis infections linked to Turkish pine nuts (final update). Available at <http://www.cdc.gov/salmonella/pinenuts-enteritidis/111711/index.html>.
40. U.S. Food and Drug Administration. 2011. The J.M. Smucker Company announces a limited voluntary recall on two specific best-if-used-by dates of 16 oz. Smucker's Natural Peanut Butter Chunky due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112151042/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm280281.htm>.
41. U.S. Food and Drug Administration. 2011. Enforcement report for December 14, 2011. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm283761.htm>.
42. U.S. Food and Drug Administration. 2012. Enforcement report for March 7, 2012. <http://www.fda.gov/Safety/Recalls/EnforcementReports/ucm295210.htm>.
43. U.S. Food and Drug Administration. 2012. Trader Joe's voluntarily recalls Creamy Salted Valencia Peanut Butter because of possible health risk. Firm press release (September 24, 2012) available at <http://wayback.archive-it.org/7993/20170111132843/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2012/ucm320579.htm>.
44. U.S. Food and Drug Administration. 2012. Sunland, Inc. announces voluntarily limited recall of almond butter and peanut butter products due to possible health risk. Firm press release (September 24, 2012) available at <http://wayback.archive-it.org/7993/20170111132842/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2012/ucm320647.htm>.
45. U.S. Food and Drug Administration. 2012. Sunland, Inc. announces an expansion of its voluntarily limited recall of almond butter and peanut butter to add cashew butter, tahini and roasted blanched peanut products due to possible health risk. Firm press release (September 24, 2012) available at <http://wayback.archive-it.org/7993/20170111132846/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2012/ucm320818.htm>.
46. Centers for Disease Control and Prevention. 2012. Multistate outbreak of *Salmonella* Bredeney infections linked to peanut butter manufactured by Sunland, Inc. (final update). Available at <http://www.cdc.gov/salmonella/bredeney-09-12/index.html>.
47. U.S. Food and Drug Administration. 2012. Enforcement report for October 24, 2012. <https://www.accessdata.fda.gov/scripts/ires/index.cfm>.
48. Canadian Food Inspection Agency. 2012. Certain Compass brand in-shell California walnuts may contain *Salmonella* bacteria. Available at <http://healthycanadians.gc.ca/recall-alert-rappel-avis/inspection/2012/15936r-eng.php>.

49. Canadian Food Inspection Agency. 2012. Certain pre-packaged and bulk in-shell filberts (hazelnuts) may contain *Salmonella* bacteria. Available at <http://www.inspection.gc.ca/english/corpaffr/recarapp/2012/20121202e.shtml>.
50. Canadian Food Inspection Agency. 2012. Certain pre-packaged mixed nuts may contain *Salmonella* bacteria. Available at <http://www.inspection.gc.ca/english/corpaffr/recarapp/2012/20121202be.shtml>.
51. U.S. Food and Drug Administration. 2013. Enforcement report for February 20, 2013. <https://www.accessdata.fda.gov/scripts/ires/index.cfm>.
52. U.S. Food and Drug Administration. 2013. Enforcement report for April 10, 2013. <https://www.accessdata.fda.gov/scripts/ires/index.cfm>.
53. U.S. Food and Drug Administration. 2013. Enforcement report for June 5, 2013. <https://www.accessdata.fda.gov/scripts/ires/index.cfm>.
54. U.S. Food and Drug Administration. 2013. Enforcement report for June 19, 2013. <https://www.accessdata.fda.gov/scripts/ires/index.cfm>.
55. U.S. Food and Drug Administration. 2013. Enforcement report for July 17, 2013. <https://www.accessdata.fda.gov/scripts/ires/index.cfm>.
56. U.S. Food and Drug Administration. 2014. FDA investigation summary – Multistate outbreak of *Salmonella* Senftenberg infections associated with pistachios from a California roaster. <https://wayback.archive-it.org/7993/20170111140531/http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm386377.htm>.
57. U.S. Food and Drug Administration. 2013. Revised – Western Mixers Produce & Nuts, Inc. recalls pistachios because of possible health risk. Firm press release (July 15, 2013) available at <http://wayback.archive-it.org/7993/20170112141937/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm360916.htm>.
58. U.S. Food and Drug Administration. 2013. Due to a Class I recall by ARO Pistachio, Torn and Glasser, Inc. announces voluntary recall of pistachios due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112141944/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm360725.htm>.
59. U.S. Food and Drug Administration. 2013. The Cultured Kitchen® voluntarily recalls cashew cheese due to possible risk of contamination from *Salmonella*. Firm press release available at <http://wayback.archive-it.org/7993/20170111125752/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm380115.htm>.
60. Centers for Disease Control and Prevention. 2014. Multistate outbreak of *Salmonella* Stanley infections linked to raw cashew cheese (final update). Available at: <http://www.cdc.gov/salmonella/stanley-01-14/index.html>.
61. U.S. Food and Drug Administration. 2014. Parkers Farm Acquisition, LLC issues voluntary recall of products due to *Listeria* contamination. State press release available at <http://wayback.archive-it.org/7993/20170112135940/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm390421.htm>.
62. U.S. Food and Drug Administration. 2014. Sherman Produce recalls bulk and packaged walnuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112135201/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm398374.htm>.
63. U.S. Food and Drug Administration. 2014. Belleville Farmer’s Market recalls shelled walnuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112135145/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm398733.htm>.
64. U.S. Food and Drug Administration. 2014. Sun Tree LLC recalls 12oz packaged California Grown Shelled Walnuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112135141/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm398734.htm>.
65. U.S. Food and Drug Administration. 2014. nSpired Natural Foods, Inc. voluntarily recalls certain retail lots of Arrowhead Mills® Peanut Butters, Maranatha® Almond Butters and Peanut Butters and specific

- private label nut butters because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112134435/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm410533.htm>.
66. Centers for Disease Control and Prevention. 2014. Multistate outbreak of *Salmonella* Braenderup infections linked to nut butter manufactured by nSpired Natural Foods, Inc. (final update). Available at: <http://www.cdc.gov/salmonella/braenderup-08-14/index.html>.
  67. U.S. Food and Drug Administration. 2014. Chetak New York L.L.C. recalls 7 oz., 14 oz., & 28 oz. packages of "Deep Raw Cashew Pieces" because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112133958/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm420689.htm>.
  68. U.S. Food and Drug Administration. 2014. Marathon Ventures, Inc. announces voluntary recall of raw macadamia nuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112133947/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm421435.htm>.
  69. U.S. Food and Drug Administration. 2014. John B. Sanfilippo & Son, Inc. voluntarily recalls Fisher brand 8 oz. Chopped Walnuts and Fisher brand 8 oz. Pecan Cookie Pieces because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170111125405/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2013/ucm428489.htm>.
  70. U.S. Food and Drug Administration. 2015. Eillien's Candies Inc. voluntarily recalls various sizes and brands of walnut pieces because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112074421/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm429094.htm>.
  71. U.S. Food and Drug Administration. 2015. Georgia company recalls certain pecan products due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112074029/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm432479.htm>.
  72. U.S. Food and Drug Administration. 2015. Whole Foods Market recalls raw macadamia nuts from stores in AL, GA, MS, NC, SC and TN due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073957/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm432870.htm>.
  73. U.S. Food and Drug Administration. 2015. Hines Nut Company, Dallas, TX announces voluntary recall of walnut halves and pieces due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073826/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm433797.htm>.
  74. U.S. Food and Drug Administration. 2015. Trader Joe's recalls Raw Walnuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073605/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm438472.htm>.
  75. U.S. Food and Drug Administration. 2015. Texas Star Nut and Food Co. Inc. Natural Macadamia Nuts are being voluntarily recalled due to possible *Salmonella* contamination. Firm press release available at <http://wayback.archive-it.org/7993/20170112073534/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm439283.htm>.
  76. U.S. Food and Drug Administration. 2015. Aurora Products, Inc. voluntarily recalls certain Aurora Natural brand and certain private label brand walnuts and trail mixes due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073546/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm439284.htm>.
  77. U.S. Food and Drug Administration. 2015. Aurora Products, Inc. expands voluntary product recall to include certain private label branded walnut and trail mix products due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073432/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm440314.htm>.

78. U.S. Food and Drug Administration. 2015. Hannaford announces recall of two mixed nut items. Firm press release available at <http://wayback.archive-it.org/7993/20170112073410/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm440721.htm>.
79. U.S. Food and Drug Administration. 2015. Hines Nut Company voluntary walnut halves and pieces due to possible health risk recalls. Firm press release available at <http://wayback.archive-it.org/7993/20170112073257/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm443477.htm>.
80. U.S. Food and Drug Administration. 2015. Waymouth Farms, Inc. recalls raw pine nuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073208/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm444781.htm>.
81. U.S. Food and Drug Administration. 2015. John B. Sanfilippo & Son, Inc. voluntarily recalls Fisher brand 10 ounce chopped walnuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073158/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm456806.htm>.
82. U.S. Food and Drug Administration. 2015. Aurora Products, Inc. announces voluntarily recall of Aurora natural brand and certain private label branded raw macadamia nuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073125/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm447111.htm>.
83. U.S. Food and Drug Administration. 2015. Natural Grocers® issues recall of Macadamia Nuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073104/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm448353.htm>.
84. U.S. Food and Drug Administration. 2015. Natural Grocers® expands recall of Macadamia Nuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072944/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm450675.htm>.
85. U.S. Food and Drug Administration. 2015. The Hemisphere Group, Inc. recalls Vietnamese LP Cashews because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112073052/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm449073.htm>.
86. U.S. Food and Drug Administration. 2015. Whole Foods Market voluntarily recalls packaged raw macadamia nuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072856/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm452905.htm>.
87. U.S. Food and Drug Administration. 2015. Rocky Mountain Foods, Inc. voluntarily recalls Free Range Snack Co. brand 16 oz. Island Fruit and Nut Trail Mix and bulk Macadamia Nuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072833/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm453116.htm>.
88. U.S. Food and Drug Administration. 2015. Grand BK Corp. recalls Goodies by Nature Raw Cashews, net wt. 9oz because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072839/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm453006.htm>.
89. U.S. Food and Drug Administration. 2015. Natural Grocers® issues recall on 10oz. Caribbean Nut & Fruit Mix due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072830/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm453516.htm>.
90. U.S. Food and Drug Administration. 2015. Maya Overseas Foods Inc. recalls Cashew Split because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072743/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm454504.htm>.
91. U.S. Food and Drug Administration. 2015. Mahina Mele Farm recalls their macadamia nut products due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072444/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm457431.htm>.
92. U.S. Food and Drug Administration. 2015. Sid Wainer and Son recalls Jansal Valley Raw Macadamia Nuts due to possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072352/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm459887.htm>.

93. U.S. Food and Drug Administration. 2015. Sincerely Nuts recalls raw macadamia nuts because of possible health risk. Firm press release available at <http://wayback.archive-it.org/7993/20170112072322/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm461010.htm>.
94. U.S. Food and Drug Administration. 2015. Texas Star Nut and Food Co., Inc. voluntarily recalls natural macadamia nuts and Simply Raw trail mix due to possible *Salmonella* contamination. Firm press release available at <http://wayback.archive-it.org/7993/20170112071733/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm465580.htm>.
95. U.S. Food and Drug Administration. 2015. World Variety Produce, Inc. voluntarily recalls Italian pine nuts because of possible health risk. Company announcement available at <http://wayback.archive-it.org/7993/20170112071606/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm471648.htm>.
96. U.S. Food and Drug Administration. 2015. JEM Raw Chocolate LLC voluntarily recalls nut butter spread products due to possible health risk. Company announcement available at <http://wayback.archive-it.org/7993/20170111082554/http://www.fda.gov/Safety/Recalls/ArchiveRecalls/2015/ucm475341.htm>.
97. Centers for Disease Control and Prevention. 2015. Multistate outbreak of *Salmonella* Paratyphi B variant L(+) tartrate(+) infections linked to JEM Raw brand sprouted nut butter spreads (final update). Available at <http://www.cdc.gov/salmonella/paratyphi-b-12-15/index.html>.
98. U.S. Food and Drug Administration. 2016. Heritage International (USA) Inc. voluntarily recalls one lot of raw cashew pieces because of possible *Salmonella* health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm482097.htm>.
99. U.S. Food and Drug Administration. 2016. Mahina Mele Farms, LLC recalls macadamia nut products due to possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm482670.htm>.
100. U.S. Food and Drug Administration. 2016. Braga Organic Farms issues voluntary recall of pistachios due to possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm484190.htm>.
101. U.S. Food and Drug Administration. 2016. International Foodsource, LLC issues a voluntary recall of various raw pistachios products due to possible *Salmonella* risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm486219.htm>.
102. U.S. Food and Drug Administration. 2016. Marathon Ventures, Incorporated announces voluntary recall of raw macadamia nuts due to possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm487338.htm>.
103. The Wonderful Company LLC. 2016. Wonderful Pistachios voluntarily recalls limited product due to possible health risk. (Updated March 10, 2016.) Available at <http://www.wonderful.com/press/wonderful-pistachios-voluntarily-recalls-limited-product-due/>.
104. U.S. Food and Drug Administration. 2016. Wonderful Pistachios voluntarily recalls limited product due to possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm489959.htm>.
105. Centers for Disease Control and Prevention. 2016. Multistate outbreak of *Salmonella* Montevideo and *Salmonella* Senftenberg infections linked to Wonderful Pistachios (final update). Available at <http://www.cdc.gov/salmonella/montevideo-03-16/index.html>.
106. U.S. Food and Drug Administration. 2016. Texas Star Nut & Food Company is expanding the recall on natural pistachio kernels and products containing pistachio kernels, which were previously voluntarily recalled due to possible *Salmonella* contamination. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm490751.htm>.
107. U.S. Food and Drug Administration. 2016. American Gourmet recalls American Gourmet Roasted/Salted Pistachios because of possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm492339.htm>.

108. U.S. Food and Drug Administration. 2016. United Natural Trading LLC announces voluntary recall of walnuts. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm500345.htm>.
109. U.S. Food and Drug Administration. 2016. HMSHost recalls multiple brands of Cape Cod Cranberry Trail Mix because of possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm501041.htm>.
110. U.S. Food and Drug Administration. 2016. Crescent Specialty Foods Inc. recalls raw pistachios because of possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm507309.htm>.
111. U.S. Food and Drug Administration. 2016. Marin Foods Specialties, Inc. recalls raw macadamia nuts sold at Whole Foods Market® stores in CA, NV, OR, and WA due to possible health risk. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm508045.htm>.
112. U.S. Food and Drug Administration. 2016. H-E-B issues recall on raw shelled pistachios. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm533472.htm>.
113. U.S. Food and Drug Administration. 2016. H-E-B expands recall on raw shelled pistachios. Company announcement available at <http://www.fda.gov/Safety/Recalls/ucm534238.htm>.
114. Oregon Health Authority. 2017. Salmonellosis cases linked to hazelnuts sold at roadside stand. OHA news release available at <http://www.oregon.gov/oha/ERD/Pages/Salmonellosis-Linked-Hazelnut.aspx>.
115. U.S. Food and Drug Administration. 2017. Now Health Group Inc. voluntarily recalls select Ellyndale® Nutty Infusions™. Company announcement available at <https://www.fda.gov/Safety/Recalls/ucm556745.htm>.
116. U.S. Food and Drug Administration. 2017. NOW Health Group Inc. expands voluntary recall of Ellyndale® Nutty Infusions™ because of possible health risk. Company announcement available at <https://www.fda.gov/Safety/Recalls/ucm563399.htm>.
117. U.S. Food and Drug Administration. 2017. Kroger recalls Simple Truth Dry Roasted Macadamia Nuts because of possible health risk. Company announcement available at <https://www.fda.gov/Safety/Recalls/ucm560931.htm>.
118. News Desk. 2017. Kroger expands macadamia nut recall for Listeria risk. *Food Safety News*, 15 June. Available at: <http://www.foodsafetynews.com/2017/06/kroger-expands-macadamia-nut-recall-for-listeria-risk/#.WURxIOvytyx>.
119. U.S. Food and Drug Administration. 2017. Recall on fewer than 225 Ava's brand Organic Cashews Roasted & Salted 8 oz. tubs in NJ, NY, PA and CT. Company announcement available at <https://www.fda.gov/Safety/Recalls/ucm560733.htm>.
120. U.S. Food and Drug Administration. 2017. Recall expansion in New Jersey on fewer than 650 units of Ava's brand Organic Roasted Unsalted Cashews and Organic Roasted Unsalted Almonds. Company announcement available at <https://www.fda.gov/Safety/Recalls/ucm563804.htm>.
121. U.S. Food and Drug Administration. 2017. GoMacro recalls limited number of MacroBars and Thrive bars because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm563265.htm>.
122. U.S. Food and Drug Administration. 2017. House of Thaller recalls selected pine nut hummus products because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm563822.htm>.
123. U.S. Food and Drug Administration. 2018. Evershing International Trading Company recalls frozen Shredded Coconut because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm591335.htm>.
124. U.S. Food and Drug Administration. 2018. International Harvest, Inc. recalls Organic Go Smile! raw coconut because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm601529.htm#recall-photos>.

125. U.S. Food and Drug Administration. 2018. Natural Grocers issues recall on Coconut Smiles Organic due to *Salmonella*. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm601687.htm>.
126. U.S. Food and Drug Administration. 2018. King Arthur Flour Company, Inc. voluntarily recalls Organic Coconut Flour (16 oz.) because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm602489.htm>.
127. U.S. Food and Drug Administration. 2018. Global Commodities Corporation recalls Buenas Grated Coconut due to possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm603712.htm>.
128. U.S. Food and Drug Administration. 2018. Mauna Loa Macadamia Nut Corporation voluntarily recalls. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm621806.htm>.
129. U.S. Food and Drug Administration. 2018. Bazzini LLC recalls certain pistachio products because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm622867.htm>.
130. U.S. Food and Drug Administration. 2018. Barcelona Nut Company recalls roasted and salted in shell pistachios because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm625001.htm>.
131. U.S. Food and Drug Administration. 2018. Inspired Organics issues voluntary recall of organic Almond Butter due to potential health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm628680.htm>.
132. U.S. Food and Drug Administration. 2018. Inspired Organics issues voluntary recall of organic nut & seed butters due to potential health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm628989.htm>.
133. U.S. Food and Drug Administration. 2019. Oskri Organics Corporation recalls all nut butters because of possible health risk. Company announcement available at: <https://www.fda.gov/Safety/Recalls/ucm630036.htm>.