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Appendix A

Selected Foodborne Outbreaks Traced to Fresh Produce and Juices

Year Outbreak Occurred	Pathogen	Commodity Vehicle Identified	Number of Cases	Area Where Outbreak Occurred	Source of Pathogen or Commodity
1980	<i>E. coli</i> 0157:H7	Apple Cider	14	Ontario	Ontario, Canada
1981	<i>Listeria</i>	Coleslaw (Cabbage)	41	Nova Scotia	Canada
1988	<i>Salmonella</i> Saint Paul	Mung Bean Sprouts	143	United Kingdom	Seed from Thailand, Australia
1989	<i>Salmonella</i> Gold-Coast	Cress Sprouts	31	United Kingdom	Seed from Netherlands' Shipper
1990	<i>Salmonella</i> Chester	Cantaloupe	245	30 States	California, U.S.
1991	<i>Salmonella</i> Javiana	Watermelon	26	Michigan	Unknown
1991	<i>Salmonella</i> Poona	Cantaloupe	>400	23 States	California, U.S.
1992	<i>Salmonella</i> Enteritidis	Lettuce	12	Vermont	Unknown
1993	<i>E. coli</i> 0157:H7	Cantaloupe	29	Oregon	Unknown
1993	<i>Clostridium botulinum</i>	Carrot Juice	1	Washington	U.S.
1993	<i>E. coli</i> (ETEC)	Carrots	47	Rhode Island	U.S.
1993	<i>E. coli</i> (ETEC)	Carrots	121	New Hampshire	U.S.
1994	<i>Salmonella</i> Bovismorbificans	Alfalfa Sprouts	595	Sweden, Finland	Seed from Australia
1995	<i>Salmonella</i> Newport	Alfalfa Sprouts	283	Oregon and BC (133), Denmark (150)	Seed from Netherlands' Shipper
1995	<i>Salmonella</i> Stanley	Alfalfa Sprouts	242	17 States	Unknown
1995	<i>Salmonella</i> Hartford	Orange Juice	63	21 States	U.S.
1995	<i>E. coli</i> 0157:H7	Iceberg Lettuce	23	Ontario	California, U.S.
1996	<i>Campylobacter jejuni</i>	Lettuce	14	Oklahoma	U.S., Cross-Contamination (Raw Chicken)

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1996	<i>E. coli</i> 0157:H7	Leaf lettuce	49	2 States	U.S.
1996	<i>Cyclospora</i>	Raspberries	978	20 States	California, U.S.
1996	<i>E. coli</i> 0157:H7	Apple Juice (unpasteurized)	71	3 States B.C.	U.S.
1996	<i>E. coli</i> 0157:H7	Apple Cider	14	Connecticut	U.S.
1996	<i>E. coli</i> 0157:H7	Lettuce (Mesclun and Red Leaf)	61	Connecticut, Illinois, New York	U.S.
1996	<i>E. coli</i> 0157:H7	Lettuce (Red Leaf)	27	Chicago	Queensland, Australia
1996	<i>E. coli</i> 0157:H7	Apple Cider	6	Washington	U.S.
1996	<i>Cryptosporidium</i>	Apple Cider	31	New York	U.S.
1996	<i>Salmonella</i> Newport	Alfalfa Sprouts	60	Quebec	Seed from Netherlands' Shipper
1996	<i>Salmonella</i> Montevideo and <i>S. Meleagridis</i>	Alfalfa Sprouts	500	2 States	California, U.S. Seed/Sprouter
1996	<i>E. coli</i>	Lettuce	11	Ohio	Unknown
1996	<i>E. coli</i> 0157:H7	Radish Sprouts	6,000+	Japan	Seed
1997	<i>E. coli</i> 0157:H7	Radish Sprouts	96	Japan	Unknown
1997	<i>E. coli</i> 0157:H7	Radish Sprouts	126	Japan	Unknown
1997	<i>Cyclospora</i>	Lettuce	29	Florida	Unknown
1997	<i>Salmonella</i> Meleagridis	Alfalfa Sprouts	78	Ontario, Alberta, Saskatchewan	Imported Seed
1997	<i>Salmonella</i> Infantis and <i>S. Anatum</i>	Alfalfa, Mung, Other Sprouts	109	2 States	Seed from U.S.
1997	<i>Salmonella</i> Senftenberg	Clover, Alfalfa Sprouts	60	2 States	U.S.
1997	<i>E. coli</i> 0157:H7	Alfalfa Sprouts	108	Michigan, Virginia	Seed (Idaho and Australia)
1997	<i>Salmonella</i> Saphra	Cantaloupe	24	1 State	Mexico

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1998	<i>E. coli</i> 0157:H7	Clover, Alfalfa Sprouts	8	Nevada, California	Seed or Sprouter
1998	<i>Shigella sonnei</i>	Parsley	342	4 States 4 Provinces (Ontario 35)	Mexico
1998	<i>Salmonella</i> Havana, <i>S. Cubana</i> , <i>S. Tennessee</i>	Alfalfa Sprouts	40	5 States	Seed Suspected
1998	<i>E. coli</i> 0157:H7	Apple Cider	14	Ontario	Canada
1998	<i>Salmonella</i> Oranienburg	Cantaloupe	22	Ontario	Unknown
1998	<i>Shigella sonnei</i>	Lettuce	160	Minnesota	Unknown
1998	<i>Salmonella</i> Havana	Alfalfa Sprouts	18	California (14) Arizona (4)	Seed
1998	<i>E. coli</i>	Coleslaw (Cabbage)	27	Indiana	U.S.
1999	<i>Salmonella paratyphi B</i> var Java	Alfalfa Sprouts	51	Alberta (43) B.C. (6) Sask. (2)	Unknown
1999	<i>E. coli</i> 0157:H7	Lettuce	47	Ohio Indiana	Unknown
1999	<i>Salmonella</i> Mbandaka	Alfalfa Sprouts	75	Oregon, Washington, Idaho, California	Seed
1999	<i>Salmonella</i> Typhimurium	Orange Juice	400	Australia	Australia
1999	<i>Salmonella</i> Muenchen	Orange Juice	>207	14 States & 2 Provinces	U.S.
1999	<i>E. coli</i>	Apple Cider	7	Oklahoma	U.S.
1999	<i>Cyclospora</i>	Blackberries	104	Ontario	California, U.S.
1999	<i>E. coli</i> 0157:H7	Lettuce (Iceberg)	72	Nebraska	U.S.
1999	<i>E. coli</i>	Coleslaw (Cabbage)	27	Indiana	U.S.
1999	<i>E. coli</i>	Coleslaw (Cabbage)	19	Ohio	U.S.
1999	<i>Salmonella</i> Saint Paul	Sprouts	26	California	Seed/Sprouter
1999	<i>Salmonella</i> Muenchen	Alfalfa Sprouts	51	U.S. 1 State	Seed

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1999	<i>Salmonella</i> Typhimurium	Clover Sprouts	90	Colorado	Seed
2000	<i>Salmonella</i> Enteritidis PT4b	Bean Sprouts	25	Netherlands	Unknown
2000	<i>Salmonella</i> Enteritidis PT11	Mung Bean Sprouts	10+	Alberta, Saskatchewan	Seed
2000	<i>Salmonella</i> Enteritidis	Mung Bean Sprouts	45	California (45)	Unknown
2000	<i>E.coli</i>	Watermelon	>41	Milwaukee	Unknown
2000	<i>Salmonella</i> Enteritidis	Orange & Grapefruit Juice, Lemonade	74	7 States	California, U.S.
2000	<i>Salmonella</i> Poona	Cantaloupe	43	7 States 1 Prov. (B.C.)	Unknown
2001	<i>Salmonella</i> Poona	Cantaloupe	30	8 States	Mexico
2001	<i>Salmonella</i> Kottbus	Alfalfa Sprouts	32	4 States	Seed from Australia
2001	<i>Salmonella</i> Enteritidis	Mung Bean Sprouts	84	Alberta, B.C., Saskatchewan	Unknown