

## Foodborne Illness Outbreaks Associated with Sprouts

Date	Causative Agent	Illnesses Reported	Source	Country of Outbreak
Jan 2020 - Mar 2020	<i>E. coli</i> O103	51	Clover sprouts	Multistate, U.S.: <a href="https://www.cdc.gov/ecoli/2020/o103h2-02-20/index.html">https://www.cdc.gov/ecoli/2020/o103h2-02-20/index.html</a>
Nov 2019 - Dec 2019	<i>E. coli</i> O103	22	Clover sprouts	Iowa, U.S.: <a href="https://www.fda.gov/inspections-compliance-enforcement-and-criminal-investigations/warning-letters/jimmy-johns-franchise-llc-599962-02212020">https://www.fda.gov/inspections-compliance-enforcement-and-criminal-investigations/warning-letters/jimmy-johns-franchise-llc-599962-02212020</a>
Dec 2017-Jan 2018	<i>Salmonella</i> Montevideo	10	Sprouts	Multistate, U.S.: <a href="https://www.cdc.gov/salmonella/montevideo-01-18/index.html">https://www.cdc.gov/salmonella/montevideo-01-18/index.html</a>
May-July 2016	<i>Salmonella</i>	30	Alfalfa sprouts	Multistate, U.S.: <a href="http://www.foodsafetynews.com/2016/08/fresh-sprouts-from-denver-linked-to-9-state-outbreak/#.WXeKjBTZqf4">http://www.foodsafetynews.com/2016/08/fresh-sprouts-from-denver-linked-to-9-state-outbreak/#.WXeKjBTZqf4</a>
Apr. 2016	<i>Salmonella</i> Saintpaul	244	Mung bean sprouts	Australia.: <a href="http://www.adelaidenow.com.au/news/south-australia/extra-five-cases-in-sa-for-bean-sprout-contamination/news-story/a3579929ba487a9acbcfaa46b58afcb7">http://www.adelaidenow.com.au/news/south-australia/extra-five-cases-in-sa-for-bean-sprout-contamination/news-story/a3579929ba487a9acbcfaa46b58afcb7</a>
Jan. 2016	<i>E. coli</i> O157	11	Alfalfa sprouts Jack & The Green Sprouts (Wisconsin)	Minnesota, U.S.: <a href="https://www.cdc.gov/ecoli/2016/o157-02-16/index.html">https://www.cdc.gov/ecoli/2016/o157-02-16/index.html</a>
Nov. 2015-Jan. 2016	<i>Salmonella</i> Muenchen	13	Alfalfa sprouts from Sweetwater Farms (Kansas)	Multistate, U.S.: <a href="http://www.cdc.gov/salmonella/enteritidis-11-14/">http://www.cdc.gov/salmonella/enteritidis-11-14/</a> ; <a href="http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm424426.htm">http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm424426.htm</a>
Sep. 2014	<i>Salmonella</i> Enteritidis	115	Bean sprouts produced by Wonton Foods	Multistate, U.S.: <a href="http://www.cdc.gov/salmonella/enteritidis-11-14/">http://www.cdc.gov/salmonella/enteritidis-11-14/</a> ; <a href="http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm424426.htm">http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm424426.htm</a>
Jun.-Aug. 2014	<i>Listeria monocytogenes</i>	5	Mung bean sprouts produced by Wholesome Soy Products	Illinois and Michigan, U.S.: <a href="http://www.cdc.gov/listeria/outbreaks/bean-sprouts-11-14/index.html">http://www.cdc.gov/listeria/outbreaks/bean-sprouts-11-14/index.html</a> ; <a href="http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm422562.htm">http://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm422562.htm</a>
May. 2014	<i>E. coli</i> O121	19	Raw clover sprouts produced by Evergreen Fresh Sprouts, LLC of Idaho are likely source	Washington and Idaho, U.S.: <a href="http://www.cdc.gov/ecoli/2014/o121-05-14/index.html">http://www.cdc.gov/ecoli/2014/o121-05-14/index.html</a> ; <a href="http://www.doh.wa.gov/Newsroom/2014NewsReleases/14070CloverSproutsSourceofEColiOutbreak">http://www.doh.wa.gov/Newsroom/2014NewsReleases/14070CloverSproutsSourceofEColiOutbreak</a>

Jul. 2012	<i>Salmonella</i> Cubana	19	Sprouts, unspecified	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Mar. 2012	<i>Listeria monocytogenes</i>	6	Sprouts, unspecified	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Dec. 2011-Feb. 2012	<i>E. coli</i> O26	29	Raw clover sprouts at Jimmy John's restaurants is the likely cause of this outbreak	Multistate, U.S.: <a href="http://www.cdc.gov/ecoli/2012/O26-02-12/index.html">http://www.cdc.gov/ecoli/2012/O26-02-12/index.html</a> ; <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Aug. 2011	<i>Salmonella</i> Agona	7	Sprouts, unspecified	Kansas, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Apr.-Jul. 2011	<i>Salmonella</i> Enteritidis	27	Alfalfa sprouts and spicy sprout produced by Evergreen Fresh Sprouts, LLC	Idaho, Montana, North Dakota, New Jersey and Washington, U.S.: <a href="http://www.cdc.gov/salmonella/sprouts-enteritidis0611/070611/index.html">http://www.cdc.gov/salmonella/sprouts-enteritidis0611/070611/index.html</a> ; <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
May-Jul. 2011	<i>E. coli</i> O104:H4	4,075	Bean sprouts	Europe, Canada and U.S.: <a href="http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6250a3.htm">http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6250a3.htm</a> ; Buchholz, U., Bernard, H., Werber, D., Böhmer, M. M., Remschmidt, C., Wilking, H., ... & Kühne, M. (2011). German outbreak of Escherichia coli O104: H4 associated with sprouts. New England Journal of Medicine, 365(19), 1763-1770. <a href="https://www-s.med.illinois.edu/m2/epidemiology/LiteratureCritique/pdf/Buchholz_2011.pdf">https://www-s.med.illinois.edu/m2/epidemiology/LiteratureCritique/pdf/Buchholz_2011.pdf</a>
Apr. 2011	<i>Salmonella</i> Muenchen	7	Clover sprouts	Michigan, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Dec. 2010-Jan. 2011	<i>Salmonella</i> Newport	9	Clover sprouts produced by Sprouters Northwest, Inc., of Kent, WA	Oregon and Washington, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a> ; <a href="http://www.doh.wa.gov/Portals/1/Documents/1500/NewsReleases/2011/11-001CloverSproutsRecall.pdf">http://www.doh.wa.gov/Portals/1/Documents/1500/NewsReleases/2011/11-001CloverSproutsRecall.pdf</a>
Dec. 2010	<i>Salmonella</i> Cubana	3	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Nov. 2010-Feb. 2011	<i>Salmonella</i> serotype I 4,[5],12:i:-	140	Alfalfa sprouts	Multistate, U.S.: <a href="http://www.cdc.gov/salmonella/i4512i-021011/index.html">http://www.cdc.gov/salmonella/i4512i-021011/index.html</a> ; <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>

Aug.-Oct. 2010	<i>Salmonella</i> Bareilly	190	Bean sprouts	U.K.: <a href="http://www.hpa.org.uk:80/webw/HPAweb&amp;HPAwebStandard/HPAweb_C/1287143210927?p=1259152466069">http://www.hpa.org.uk:80/webw/HPAweb&amp;HPAwebStandard/HPAweb_C/1287143210927?p=1259152466069</a>
Mar.-Jun. 2010	<i>Salmonella</i> Newport	44	Alfalfa sprouts produced by J.H. Caldwell and Sons Inc. of Maywood, CA	Multistate, U.S.: <a href="http://www.cdc.gov/salmonella/newport/">http://www.cdc.gov/salmonella/newport/</a> ; <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Feb. 2010	unknown	4	Sprouts, unspecified	Colorado, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Aug. 2009	<i>Salmonella</i> Typhimurium	14	Alfalfa sprouts	Michigan, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jun. 2009	<i>Salmonella</i> Bovismorbificans	42	Ready-to-eat alfalfa sprouts	Finland: Rimhanen-Finne, R., Niskanen, T., Lienemann, T., Johansson, T., Sjöman, M., Korhonen, T., Guedes, S., Kuronen, H., Virtanen, M. J., Mäkinen, J., Jokinen, J., Siitonen, A. and Kuusi, M. (2011), A Nationwide Outbreak of <i>Salmonella</i> Bovismorbificans Associated with Sprouted Alfalfa Seeds in Finland, 2009. <i>Zoonoses and Public Health</i> , 58: 589–596. <a href="http://onlinelibrary.wiley.com/doi/10.1111/j.1863-2378.2011.01408.x/abstract">http://onlinelibrary.wiley.com/doi/10.1111/j.1863-2378.2011.01408.x/abstract</a>
Apr.-Jul. 2009	<i>Salmonella</i> Cubana	14	Onion sprouts and mixed onion/alfalfa sprout	Canada: <a href="http://www.bccdc.ca/resourcematerials/newsalerts/healthalerts/2009HealthAlerts/SalmonellaCubanaOutbreak_aug24.htm">http://www.bccdc.ca/resourcematerials/newsalerts/healthalerts/2009HealthAlerts/SalmonellaCubanaOutbreak_aug24.htm</a>
Apr. 2009	<i>Salmonella</i> Cubana	2	Sprouts, unspecified	Minnesota, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Feb.-May. 2009	<i>Salmonella</i> Saintpaul	256	Raw alfalfa sprouts	Multistate, U.S.: <a href="http://www.cdc.gov/salmonella/saintpaul/alfalfa/">http://www.cdc.gov/salmonella/saintpaul/alfalfa/</a> ; <a href="http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5818a4.htm">http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5818a4.htm</a>
Feb. 2009	<i>Salmonella</i> Oranienberg	25	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Sep. 2008	<i>E. coli</i> O157:NM	21	Alfalfa sprouts; iceberg lettuce, unspecified	Colorado, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jul. 2008	<i>Salmonella</i> Typhimurium	24	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/default.aspx</a> ; <a href="http://www.fda.gov/safety/recalls/archiverecalls/2008/ucm112494.htm">http://www.fda.gov/safety/recalls/archiverecalls/2008/ucm112494.htm</a>

Mar. 2008	<i>Listeria monocytogenes</i>	20	Sprouts, unspecified	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jul.-Oct. 2007	<i>Salmonella</i> Weltevreden	45	Alfalfa sprouts	Denmark, Norway and Finland: Emberland KE, Ethelberg S, Kuusi M, Vold L, Jensvoll L, Lindstedt BA, Nygård K, Kjelsø C, Torpdahl M, Sørensen G, Jensen T, Lukinmaa S, Niskanen T, Kapperud G. Outbreak of <i>Salmonella</i> Weltevreden infections in Norway, Denmark and Finland associated with alfalfa sprouts, July-October 2007. <i>Euro Surveill.</i> 2007;12(48):pii=3321. Available online: <a href="http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=3321">http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=3321</a>
Jul.-Aug. 2007	<i>Salmonella</i> Stanley	44	Alfalfa sprouts	Sweden: Werner S, Boman K, Einemo I, Erntell M, de Jong B, Lindqvist A, Löfdahl M, Löfdahl S, Meeuwisse A, Ohlen G, Olsson M, Stamer U, Sellström E, Andersson Y. Outbreak of <i>Salmonella</i> Stanley in Sweden associated with alfalfa sprouts, July-August 2007. <i>Euro Surveill.</i> 2007;12(42):pii=3291. Available online: <a href="http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=3291">http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=3291</a>
Apr. 2007	<i>Salmonella</i> Mbandaka	15	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Feb. 2006	<i>Salmonella</i> Braenderup	4	Bean sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Nov. 2005	<i>Salmonella</i> Oranienberg	125	Alfalfa sprouts	Australia: <a href="http://www.health.gov.au/internet/main/publishing.nsf/Content/cda-cdi3003b.htm">http://www.health.gov.au/internet/main/publishing.nsf/Content/cda-cdi3003b.htm</a>
Nov. 2005	<i>Salmonella</i> Braenderup	2	Mung sprouts	Massachusetts, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Oct.-Dec. 2005	<i>Salmonella</i> spp.	648	Mung sprouts	Canada: <a href="http://news.ontario.ca/archive/en/2005/12/14/Update-on-Salmonella-Outbreak.html">http://news.ontario.ca/archive/en/2005/12/14/Update-on-Salmonella-Outbreak.html</a> ; Outbreak of <i>Salmonella</i> <i>entertidis</i> phage type 13 associated with mung bean sprouts in Ontario, 2005. Outbreak Investigation. May 17. 2006. <a href="http://www.sproutnet.com/pdfs/Toronto-Mung-2005.pdf">http://www.sproutnet.com/pdfs/Toronto-Mung-2005.pdf</a>
Apr. 2004	<i>E. coli</i> O157:NM	2	Alfalfa sprouts	Georgia, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>

Apr. 2004	<i>Salmonella</i> Bovismorbificans	35	Raw alfalfa sprouts produced by Sprouters Northwest, Inc., of Kent, WA	Oregon and Washington, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a> ; <a href="http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/2004/ucm108307.htm">http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/2004/ucm108307.htm</a>
Nov. 2003	<i>Salmonella</i> Chester	26	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jul. 2003	<i>E. coli</i> O157:NM	13	Alfalfa sprouts	Colorado, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a> ; D. D. Ferguson, J. Scheftel, A. Cronquist, K. Smith, A. Woo-Ming, E. Anderson J. Knutsen, A. K. De and K. Gershman (2005). Temporally distinct Escherichia coli O157 outbreaks associated with alfalfa sprouts linked to a common seed source – Colorado and Minnesota, 2003. <i>Epidemiology and Infection</i> , 133, pp 439-447. <a href="http://dx.doi.org/10.1017/S0950268804003589">http://dx.doi.org/10.1017/S0950268804003589</a>
Feb. 2003	<i>Salmonella</i> Saintpaul	16	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Feb. 2003	<i>E. coli</i> O157:H7	7	Alfalfa sprouts	Minnesota, U.S.: D. D. Ferguson, J. Scheftel, A. Cronquist, K. Smith, A. Woo-Ming, E. Anderson J. Knutsen, A. K. De and K. Gershman (2005). Temporally distinct Escherichia coli O157 outbreaks associated with alfalfa sprouts linked to a common seed source – Colorado and Minnesota, 2003. <i>Epidemiology and Infection</i> , 133, pp 439-447. <a href="http://dx.doi.org/10.1017/S0950268804003589">http://dx.doi.org/10.1017/S0950268804003589</a>
Jan. 2003	<i>E. coli</i> O157:H7	20	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jul. 2002	<i>E. coli</i> O157:H7	5	Alfalfa sprouts	California, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Apr. 2001	<i>Salmonella</i> Entertidis	35	Mung sprouts	Florida, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Feb. 2001	<i>Salmonella</i> Kottbus	32	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jan. 2001	<i>Salmonella</i> Entertidis	22	Mung sprouts	Hawaii, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>

Feb.-Mar. 2001	<i>Salmonella</i> Enteritidis	84	Mung sprouts	Canada: Honish, L., & Nguyen, Q. (2001). Outbreak of <i>Salmonella</i> enteritidis phage type 913 gastroenteritis associated with mung bean sprouts-Edmonton, 2001. Canada communicable disease report= Relevé des maladies transmissibles au Canada, 27(18), 151. <a href="http://www.sproutnet.com/Outbreak-of-Salmonella-in-Canada">http://www.sproutnet.com/Outbreak-of-Salmonella-in-Canada</a>
Oct. 2001	unknown	2	Alfalfa sprouts	Florida, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Nov. 2000	<i>S. Enteritidis</i> phage type 4b	12	Bean sprouts	Netherlands: van Duynhoven, Y. T., Widdowson, M. A., de Jager, C. M., Fernandes, T., Neppelenbroek, S., van den Brandhof, W., ... & van Pelt, W. (2002). <i>Salmonella</i> enterica serotype Enteritidis phage type 4b outbreak associated with bean sprouts. Emerging infectious diseases, 8(4), 440. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2730240/">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2730240/</a>
May. 2000	<i>Salmonella enterica</i>	3	Alfalfa spouts (suspected)	Florida, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
2000	<i>Salmonella</i> Enteritidis	75	Mung sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Apr.-Jun. 2000	<i>Salmonella</i> Enteritidis	12	Mung sprouts	Canada: Harb, J., Isaacs, S., Fyfe, M., Crowe, L., Slater, B., Ahmed, R., ... & Hockin, J. (2003). Outbreak of <i>Salmonella</i> enteritidis phage type 11B in the provinces of Alberta and Saskatchewan, June 2000. Canada communicable disease report= Relevé des maladies transmissibles au Canada, 29(14), 125. <a href="http://www.sproutnet.com/Outbreak-of-Salmonella-Enteritidis">http://www.sproutnet.com/Outbreak-of-Salmonella-Enteritidis</a>
Aug.-Sep. 1999	<i>Salmonella</i> Muenchen	157	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a> ; Proctor, M. E., Hamacher, M., Tortorello, M. L., Archer, J. R., & Davis, J. P. (2001). Multistate outbreak of <i>Salmonella</i> serovar Muenchen infections associated with alfalfa sprouts grown from seeds pretreated with calcium hypochlorite. Journal of clinical microbiology, 39(10), 3461-3465.
May. 1999	<i>Salmonella</i> Saintpaul	36	Clover sprouts	California, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>

Jan. 1999	<i>Salmonella</i> Mbandaka	83	Alfalfa sprouts	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a> ; Gill, C. J., Keene, W. E., Mohle-Boetani, J. C., Farrar, J. A., Waller, P. L., Hahn, C. G., & Cieslak, P. R. (2003). Alfalfa seed decontamination in <i>Salmonella</i> outbreak. <i>Emerging infectious diseases</i> , 9(4), 474. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2957971/">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2957971/</a>
Jan. 1999	<i>Salmonella</i> Typhimurium	112	Clover sprouts	Colorado, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a> ; Brooks, J. T., Rowe, S. Y., Shillam, P., Heltzel, D. M., Hunter, S. B., Slutsker, L., ... & Luby, S. P. (2001). <i>Salmonella</i> Typhimurium infections transmitted by chlorine-pretreated clover sprout seeds. <i>American journal of epidemiology</i> , 154(11), 1020-1028. <a href="http://aje.oxfordjournals.org/content/154/11/1020.short">http://aje.oxfordjournals.org/content/154/11/1020.short</a>
Aug.-Sep. 1999	<i>S. paratyphi</i> B var java	51	Alfalfa sprouts	Canada: Stratton, J., Stefaniw, L., Grimsrud, K., Werker, D. H., Ellis, A., Ashton, E., ... & Jensen, B. (2001). Outbreak of <i>Salmonella</i> paratyphi B var java due to contaminated alfalfa sprouts in Alberta, British Columbia and Saskatchewan. <i>Canada communicable disease report= Relevé des maladies transmissibles au Canada</i> , 27(16), 133. <a href="http://www.sproutnet.com/Outbreak-of-Salmonella-Paratyphi">http://www.sproutnet.com/Outbreak-of-Salmonella-Paratyphi</a>
Jun. 1998	<i>E. coli</i> O157:NM	8	Alfalfa sprouts	California, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
May. 1998	<i>Salmonella</i> Havana and Cubana	40	Alfalfa sprouts (Havana suspected)	Multistate, U.S.: <a href="http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx">http://wwwn.cdc.gov/foodborneoutbreaks/Default.aspx</a>
Jun.-Jul. 1997	<i>E. coli</i> O157:H7	82	Alfalfa sprouts	Michigan and Virginia, U.S.: Breuer, T., Benkel, D. H., Shapiro, R. L., Hall, W. N., Winnett, M. M., Linn, M. J., ... & Team, I. (2001). A multistate outbreak of <i>Escherichia coli</i> O157: H7 infections linked to alfalfa sprouts grown from contaminated seeds. <i>Emerging infectious diseases</i> , 7(6), 977. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2631892/pdf/11747724.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2631892/pdf/11747724.pdf</a> ; <a href="http://www.cdc.gov/mmwr/preview/mmwrhtml/00048994.htm">http://www.cdc.gov/mmwr/preview/mmwrhtml/00048994.htm</a>

1997	<i>Salmonella</i> Infantis and Anatum	109	Alfalfa sprouts	<p><b>Kansas and Missouri, U.S.:</b> Taormina, P. J., Beuchat, L. R., &amp; Slutsker, L. (1999). Infections associated with eating seed sprouts: an international concern. <i>Emerging Infectious Diseases</i>, 5(5), 626.  <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf</a>; Glynn, M. K., Patrick, S., &amp; Wuhib, T. (1998, April). When health food isn't so healthy—an outbreak of <i>Salmonella</i> serotypes Anatum and Infantis associated with eating contaminated sprouts, Kansas and Missouri, 1997. In 47th Annual Epidemic Intelligence Service (EIS) Conference. Atlanta, GA: Centers for Disease Control and Prevention.</p>
Sep. 1997-Jul. 1998	<i>Salmonella</i> Senftenberg	60	Alfalfa sprouts	<p><b>California and Nevada, U.S.:</b> Mohle-Boetani, J. C., Farrar, J. A., Werner, S. B., Minassian, D., Bryant, R., Abbott, S., ... &amp; Vugia, D. J. (2001). <i>Escherichia coli</i> O157 and <i>Salmonella</i> infections associated with sprouts in California, 1996–1998. <i>Annals of Internal Medicine</i>, 135(4), 239-247.  <a href="http://annals.org/article.aspx?articleid=714688">http://annals.org/article.aspx?articleid=714688</a></p>
1997	<i>Salmonella</i> Meleagridis	78	Alfalfa sprouts	<p><b>Canada:</b> Taormina, P. J., Beuchat, L. R., &amp; Slutsker, L. (1999). Infections associated with eating seed sprouts: an international concern. <i>Emerging Infectious Diseases</i>, 5(5), 626.  <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf</a></p>
1997	<i>E. coli</i> O157:H7	126	Radish sprouts	<p><b>Japan:</b> Taormina, P. J., Beuchat, L. R., &amp; Slutsker, L. (1999). Infections associated with eating seed sprouts: an international concern. <i>Emerging Infectious Diseases</i>, 5(5), 626.  <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf</a>; Gutierrez, E. (1997). Japan prepares as O157 strikes again. <i>The Lancet</i>, 349(9059), 1156.</p>
May.-Jul. 1996	<i>Salmonella</i> Meleagridis and Montevideo	500	Alfalfa and clover sprouts	<p><b>California and Nevada, U.S.:</b> Mohle-Boetani, J. C., Farrar, J. A., Werner, S. B., Minassian, D., Bryant, R., Abbott, S., ... &amp; Vugia, D. J. (2001). <i>Escherichia coli</i> O157 and <i>Salmonella</i> infections associated with sprouts in California, 1996–1998. <i>Annals of Internal Medicine</i>, 135(4), 239-247.  <a href="http://annals.org/article.aspx?articleid=714688">http://annals.org/article.aspx?articleid=714688</a></p>



1996	<i>E. coli</i> O157:H7	6,000	Radish sprouts	<b>Japan:</b> Watanabe, Y., Ozasa, K., Mermin, J. H., Griffin, P. M., Masuda, K., Imashuku, S., & Sawada, T. (1999). Factory outbreak of <i>Escherichia coli</i> O157: H7 infection in Japan. <i>Emerging infectious diseases</i> , 5(3), 424. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2640759/pdf/10341179.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2640759/pdf/10341179.pdf</a>
1995-1996	<i>Salmonella</i> Newport	133	Alfalfa sprouts	<b>U.S., Canada and Denmark:</b> Taormina, P. J., Beuchat, L. R., & Slutsker, L. (1999). Infections associated with eating seed sprouts: an international concern. <i>Emerging Infectious Diseases</i> , 5(5), 626. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf</a> . Van Beneden, C. A., Keene, W. E., Strang, R. A., Werker, D. H., King, A. S., Mahon, B., ... & Fleming, D. (1999). Multinational outbreak of <i>Salmonella enterica</i> serotype Newport infections due to contaminated alfalfa sprouts. <i>Jama</i> , 281(2), 158-162.; Wegener HC, Baggesen DL, Neimann J, Nielsen SV. An outbreak of human salmonellosis in Denmark caused by alfalfa sprouts. In: <i>Proceedings and abstracts of the International Symposium on Salmonella and Salmonellosis</i> ; Ploufragan, France; May 20-22, 1997:587-589.
1995	<i>Salmonella</i> Stanley	242	Alfalfa sprouts	<b>Finland and U.S.:</b> Mahon, B. E., Pönkä, A., Hall, W. N., Komatsu, K., Dietrich, S. E., Siitonen, A., ... & Slutsker, L. (1997). An international outbreak of <i>Salmonella</i> infections caused by alfalfa sprouts grown from contaminated seeds. <i>Journal of Infectious Diseases</i> , 175(4), 876-882. <a href="http://jid.oxfordjournals.org/content/175/4/876.full.pdf?origin=publication_detail">http://jid.oxfordjournals.org/content/175/4/876.full.pdf?origin=publication_detail</a>
1994	<i>Salmonella</i> Newport	154	Alfalfa sprouts	<b>Denmark:</b> WHO Surveillance Programme for Control of Foodborne Infections and Intoxications in Europe, 7th Report: Denmark 1993-1998. <a href="http://www.bfr.bund.de/internet/7threport/CRs/den.pdf">http://www.bfr.bund.de/internet/7threport/CRs/den.pdf</a>

1994	<i>Salmonella</i> <i>Bovismorbificans</i>	595	Australian alfalfa sprouts seed	Sweden and Finland: Taormina, P. J., Beuchat, L. R., & Slutsker, L. (1999). Infections associated with eating seed sprouts: an international concern. <i>Emerging Infectious Diseases</i> , 5(5), 626. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf</a> ; Puohiniemi, R., Heiskanen, T., & Siitonen, A. (1997). Molecular epidemiology of two international sprout-borne <i>Salmonella</i> outbreaks. <i>Journal of clinical microbiology</i> , 35(10), 2487-2491. <a href="http://jcm.asm.org/content/35/10/2487.full.pdf">http://jcm.asm.org/content/35/10/2487.full.pdf</a> ; Pönkä, A., Andersson, Y., Siitonen, A., de Jong, B., Jahkola, M., Haikala, O., ... & Pakkala, P. (1995). <i>Salmonella</i> in alfalfa sprouts. <i>The Lancet</i> , 345(8947), 462-463.
Oct. 1990	<i>Salmonella</i> Anatum	15	Alfalfa sprouts	Washington, U.S.: <a href="http://www.cdc.gov/outbreaknet/pdf/surveillance/1990_linelist.pdf">http://www.cdc.gov/outbreaknet/pdf/surveillance/1990_linelist.pdf</a>
Oct. 1990	unknown	32	Alfalfa sprouts, cucumber, lettuce	Washington, U.S.: <a href="http://www.cdc.gov/outbreaknet/pdf/surveillance/1990_linelist.pdf">http://www.cdc.gov/outbreaknet/pdf/surveillance/1990_linelist.pdf</a>
1989	<i>Salmonella</i> Goldcoast	31	Cress sprouts	U.K.: Taormina, P. J., Beuchat, L. R., & Slutsker, L. (1999). Infections associated with eating seed sprouts: an international concern. <i>Emerging Infectious Diseases</i> , 5(5), 626. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2627711/pdf/10511518.pdf</a> ; Joce, R., O'Sullivan, D. G., Strong, C., Rowe, B., Hall, M. L. M., & Threlfall, E. J. (1990). A national outbreak of <i>Salmonella</i> Gold-Coast. <i>Commun Dis Rep CDR Rev</i> , 4, 3-4.
1988	<i>Salmonella</i> Saintpaul and Virchow PT34 (7cases)	143	Mung sprouts	U.K.: O'mahony, M., Cowden, J., Smyth, B., Lynch, D., Hall, M., Rowe, B., ... & Bartlett, C. L. R. (1990). An outbreak of <i>Salmonella</i> saint-paul infection associated with beansprouts. <i>Epidemiology and infection</i> , 104(02), 229-235. <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2271762/pdf/epid infect00020-0070.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2271762/pdf/epid infect00020-0070.pdf</a>
1973	<i>Bacillus cereus</i>	4	Soy, cress, mustard sprouts	U.S.: Portnoy, B. L., Goepfert, J. M., & Harmon, S. M. (1976). An outbreak of <i>Bacillus cereus</i> food poisoning resulting from contaminated vegetable sprouts. <i>American journal of epidemiology</i> , 103(6), 589-594.