

7.2

Appendix B

Selected Foodborne Pathogens Associated With Foods Of Plant Origin*

PATHOGEN	SOURCE (common or primary sources)	COMMON TRANSMISSION VECTORS (vector contaminated with pathogen)
Bacteria		
<i>Salmonella</i> spp.	animal feces	feces, water, soil
<i>E. coli</i> , enterovirulent	feces	feces, water, soil, people
<i>Listeria monocytogenes</i>	environment, soil, feces	feces, water, soil, environment
<i>Shigella</i> spp.	human feces	feces, water, people
<i>Clostridium</i> spp.	soil, feces	feces, water, soil
<i>Bacillus</i> spp.	soil, feces	feces, water, soil
<i>Staphylococcus aureus</i>	animal and human (skin, nose or throat secretions)	people, food contact surfaces
<i>Streptococcus</i> spp.	human nose or throat secretions	people, food contact surfaces
VIRUSES		
Hepatitis A virus	human feces	feces, water, people
Norwalk virus family	human feces	feces, water, people
Rotavirus	human feces	feces, water, people
PROTOZOA (parasites)		
<i>Giardia lamblia</i> (<i>duodenalis</i>)	human and animal feces (commonly associated with (beaver, muskrat)	feces, water, people
<i>Cryptosporidium parvum</i>	human and animal feces	feces, water, people
<i>Cyclospora cayetanensis</i>	human and animal feces	feces, water, people
<i>Entamoeba histolytica</i>	human feces	feces, water, people
HELMINTHS (parasitic worms)		
<i>Ascaris lumbricoides</i>	human feces	feces, soil, water, people
<i>Trichuris trichiura</i>	human feces	feces, soil, water, people

*The table lists foodborne pathogens of potential concern in Ontario and is not intended to be an all-inclusive list of pathogens. Other pathogens such as *Yersinia enterocolitica*, *Toxoplasma gondii*, *Vibrio* spp., etc., have been implicated as foodborne pathogens, although their significance in Ontario with foods of plant origin is not known.

**For pathogens where their source is feces, anything that comes into contact with the feces can be considered a potential transmission vector, including for example insects and food contact surfaces.