American Council on Science and Health. 1994. "Alar Five Years Later: Science Triumphs over Fear," K. Smith, *Special Report*, American Council on Science and Health. An industry group claims that Alar was never a threat to the American public.

Ames, B.N., and Gold, L.S. 2000. "Misconceptions about pollution, pesticides and the prevention of cancer". In: *The Standard Handbook of Environmental Science, Health and Technology*. J. Lehr, ed. McGraw-Hill

Ames, B.N., et al. 1997. "Environmental Pollution, Pesticides, and the Prevention of Cancer: Misconceptions," *Federation of American Societies for Experimental Biology* (*FASEB*) *Journal*. 11 (13):1041-1052. Argues that natural toxins are a much greater threat to most of us than trace amounts of industrial pollutants.

Ames, Bruce N., et al. 1990 "Nature's chemicals and synthetic chemicals: Comparative toxicology." *Proceedings of the National Academy of the United States of America* 87: 7782-7786. Not all natural products are benign, nor are all synthetic products evil.

Anderson, L. 1999. *Genetic Engineering, Food and Our Environment*. Chelsea Green Publishers. A beginner's guide to this controversial topic.

Antle, J.M. and P.L. Pingali. 1994. "Pesticides, productivity, and farmer health: a Philippine case study." *American Journal of Agricultural Economics*. 76: 418-430. Farmers in the Philippines have high levels of pesticide poisoning.

Aspelin, A.L. 1996. *Pesticides Industry Sales and Usage: 1994 and 1995 Market Estimates*— *Preliminary.* U.S. Environmental Protection Agency. Data on pesticide use in the United States.

Ball, T. 1994. "Rachel Carson: American Biologist," In *Environmental Encyclopedia*. Gale Research. A good discussion of this pioneering researcher and writer and the controversy surrounding publication of Silent Spring.

Barbash, Jack E. and Elizabeth A. Resek. 1997. *Pesticides in Ground Water: Distribution, Trends and Governing Factors*. Lewis Publishers. A comprehensive look at water pollution by pesticides.

Bassi, S. 1990. "Vacuuming Up the Bugs," *E.P.A. Journal* 16 (3): 41-42. An amazing machine avoids pesticides on salad greens

Benbrook, Charles M. 1996. *Pest Management at the Crossroads*. Consumers Union. An excellent overview of integrated pest management.

Benbrook, Charles 1999. "Evidence of the Magnitude and Consequences of the Roundup Ready Soybean Yield Drag from University-Based Varietal Trials in 1998," *AgBioTech InfoNet Technical Paper* #1, July 13, 1999.

Benbrook, Charles. 2001. "Do GM crops mean less pesticide use?" *Pesticide Outlook p* 204-207 October 2001. Although fewer herbicide active ingredients are applied on the average acre of Roundup-Ready soybeans relative to the average conventional acre, the total amount of pesticide applied is higher on the genetically-modified varieties than on traditional crops.

Bishop, C.A., et al. 1999, Anuran development, density and diversity in relation to agricultural activity in the Holland River watershed, Ontario, Canada (1990-1992): Environmental Monitoring and Assessment, v. 57, no. 1, p. 21-43. Pesticide use correlates with malformed frogs in some areas.

Buck, G.M., et al. 1997. "Consumption of contaminated sport fish from Lake Ontario and time-to-pregnancy," *American Journal of Epidemiology* 146 (11): 949-954. Connections between dietary toxins and birth defects.

Carson, Rachael. 1962. *Silent Spring*. Riverside Press. Regarded by many as the wellspring of modern environmentalism.

Cho, C., M-H, Mulchandani, A. & Chen, W. 2002. "Bacterial cell surface display of organophosphorus hydrolase for selective screening of improved hydrolysis of organophophate nerve agents". *Applied and Environmental Microbiology*, 68, 2026 - 2030,. Genetically-engineered *E. coli* may be useful in bioremediation of persistent organic pollutants.

Colborn, Theo, et al. 1996. *Our Stolen Future: How We Are Threatening Our Fertility, Intelligence, and Survival -- A Scientific Detective Story*. Dutton Books. A frightening account of the effects of endocrine hormone-disrupting environmental pollutants.

Davis, Devra Lee and H. Leon Bradlow. 1995. "Can environmental estrogens cause breast cancer?" *Scientific American* 273 (4): 166-173. These chemicals cause cancer in laboratory animals, but do they do so in humans?

Dibb, Sue. 1995. "Swimming in a sea of oestrogens: chemical hormone disrupters." *The Ecologist*. 25 (1): 27-31. Endocrine hormone disrupters are all around us.

Durning, Alan T. 2001. "Substance Abuse." In *The New Agrarianism* F.E. Freyfogle (ed). Island Press. p 29-44. Finding ways to diminish the adverse effects of production is important for urban as well as rural folks.

Gips, Terry. 1990. *Breaking the Pesticide Habit*. International Alliance for Sustainable Agriculture. A good account of historical development of pest control and alternatives to the "dirty dozen" most dangerous pesticides.

Gould, F. 1991. "The Evolutionary Potential of Crop Pests," *American Scientist* 79: 496-507. An account of crop pest ability to adapt to pest-control procedures and how that may affect future strategies in pesticide use.

Green, M. B., et al. 1990. *Managing Resistance to Agrochemicals: From Fundamental Research to Practical Strategies*. American Chemical Society. A good overview of the causes and consequences of pesticide resistance in agriculture together with an examination of emerging pest-control methods.

Grossman, J. 1993. "How Green Are These Fairways?" *Audubon* 95 (5): 90-93. Golf courses use far higher amounts of pesticides per unit area than most farms.

Guillette, Elizabeth A. et al. 1998 "An anthropological approach to the evaluation of preschool children exposed to pesticides in Mexico." *Environmental Health Perspectives* 106: 347-353. Cognitive development is delayed significantly in children exposed to pesticides.

Guillette, Louis J. Jr, et al. 1999. Plasma steroid concentrations and male phallus size in juvenile alligators from seven Florida lakes. *General and Comparative Endocrinology* 116: 356-372. Pesticide exposure demasculinizes amphibians.

Gurunathan, S., et al. 1998. "Accumulation of Chlorpyrifos on Residential Surfaces and Toys Accessible to Children," *Environmental Health Perspectives* 106(1):9-16. A quantitative examination of major pathways and routes of exposure to pesticides for determining human risk.

Hager, A.G. 1996. "Weed Resistance to Herbicides: Understanding How Resistance Develops in Weeds is the First Line of Defense," *Weed Control Manual: Volume 30*. Meister Publishing Company.

Hansen, Laura C. and John J. Obrycki, "Field Deposition of BT Transgenic Corn Pollen: Lethal Effects on the Monarch Butterfly," *Oecologia* Vol. 125, No. 2 (2000), pgs. 241-248.

Hardell, Lennart and Mikael Eriksson. 1999."A Case-Control Study of Non-Hodgkin Lymphoma and Exposure to Pesticides," *Cancer* Vol. 85, No. 6 (March 15, 1999), pgs. 1353-1360.

Hayes, T.B., 2000, "Endocrine disruption in amphibians," in Sparling, D.W., Linder, G., and Bishop, C.A., eds., *Ecotoxicology of amphibians and reptiles*: Pensacola, Fla., Society of Environmental Toxicology and Chemistry Press, p. 573-593.

Hayes, T.B, et al. 2002. "Hermaphroditic, demasculinized frogs after exposure to the herbicide, atrazine, at low ecologically relevant doses." *Proceedings Of The National Academy Of Sciences* (US) 99: 5476-5480.

Hellmich, R. L. 2001. et al. Monarch larvae sensitivity to Bacillus thuringiensis purified proteins and pollen. Proceedings of the National Academy of Sciences 98 (21): 11925-11930.

Hilbeck, A et al, "Effects of Transgenic *Bacillus thuringiensis* corn-fed prey on Mortality and Development Time of Immature *Chysoperla carnea* (Neuroptera: Chrysopidae)." *Environmental Entomology* Vol. 27, No. 2 (April 1998), pgs. 480-487.

Hollingsworth, Robert G., John W. Armstrong & Earl Campbell 2002. "At high concentrations this stimulant becomes a lethal neurotoxin to garden pests." *Nature* 417, 915–916 (2002). Caffeine is an effective repellent for snails and slugs.

Hooper, K., et al. 1997. "Analysis of Breast Milk to Assess Exposure to Chlorinated Contaminants in Kazakhstan," *Environmental Health Perspectives* 105 (11): 1250-1254

Horn, D. J. 1988. *Ecological Approach to Pest Management*. Guilford Press. How we might use ecological knowledge to design safe and effective pest-control programs.

Hunt, Patricia A., et al. 2003. "Bisphenol A exposure causes meiotic aneuploidy in the female mouse." *Current Biology* 13: 546-553. A common plasticizer is an endocrine hormone disrupter.

Iudicello, S. et al. 1999. Fish, Markets, and Fishermen: The Economics of Overfishing. Island Press. Why are world fisheries collapsing and what can be done about it?

Jensen, S., et al. 1997. "Environmental Pollution and Child Health in the Aral Sea Region in Kazakhstan," *Science of the Total Environment* 206 (2-3): 187-193. Inadequate nutrition, poor sanitation, collapse of the health care system and pollution from Soviet agriculture and industries have caused a catastrophic decline in human health.

Kratz, Vikky. 2001. "The Hidden Life of a Biogineered Meal." *Sierra* 103 (1): 24-25. A brief but useful summary of what's in our food.

Krimsky, Sheldon and Roger Wrubel. 1996. *Agricultural Biotechnology and the Environment*. University of Illinois Press. A comprehensive and thoughtful analysis of both the promise and the hazards of biotechnology as it is being applied in agriculture.

Lambert, B., and M. Perferoen. 1992. "Insecticidal Properties of Bacillus thuringiensis," *Bioscience* 42: 112-122. A good explanation of current theories of how these useful bacteria kill caterpillars.

Lappe, Marc and Britt Bailey 1998. *Against the Grain: Biotechnology and the Corporate Takeover of Your Food.* Island Press. A hard-hitting critique of biotechnology and genetically modified food crops.

Lewis, W.J., et al. 1997. "A total system approach to sustainable pest management," *Procedures of the National Academy of Sciences, USA* 94(23):12243-12248. A fundamental shift to a total system approach for crop protection is urged to resolve escalating economic and environmental consequences of combating agricultural pests.

Lifton, Bernice. 1991. Bug Busters/Poison Free Pest Controls for Your House and Garden

Avery Penguin Putnam. A practical guide to pesticide alternatives.

Longnecker, M. P., Klebanoff, M. A., Zhou, H. & Brock, J. W. 2001. "Association between maternal serum concentration of the DDT metabolite DDE and preterm, and small-for-gestational-age babies at birth." *Lancet* 358:110-114, (2001).

Losey, J. E., Rayor, L. S. & Carter, M. E. 1999. Transgenic pollen harms monarch larvae. *Nature*, 399, 214, (1999).

Luoma, Jon R. 1995. "Havoc in the hormones." *Audubon* 97 (4): 60-67. A warning about the hazards of pollutants to reproductive health and development.

McGinn, Anne P. 2000. "POPs Culture." World Watch 13(2): 26-36. Discusses the threats from persistent organic pollutants.

Mitchell, Jennifer D. 1997. "Chemical Explosion," *World Watch Journal* 10(2):26. The release of new synthetic chemicals are out of control, and so are their apparent effects on alligators, frogs, and children.

National Research Council. 1996. *Ecologically Based Pest Management: New Solutions for a New Century*. National Academy Press. A good survey of biocontrol.

Nendza, M., et al. 1997. "Potential for Secondary Poisoning and Biomagnification in Marine Organisms," *Chemosphere* 35(9):1875-1885. Discusses how food webs accumulate and magnify toxins.

Oaks, J. L. et al. 2004. "Diclofenac residues as the cause of vulture population decline in Pakistan" *Nature*. published online 28 January 2004; doi:10.1038/nature02317. A common painkiller used in cattle appears to be responsible for killing 99 percent of the vultures in India and Pakistan in a decade.

Oberhauser, K. S. et al. 2001. "Temporal and spatial overalap between monarch larvae and corn pollen." *Proceedings of the National Academy of Sciences* 98 (21): 11913-11918, 2001 Oct 9.

Olkowski, William, et al. 1991. *Common-Sense Pest Control*. Taunton Press. A practical guide to pesticide alternatives.

Osburn, Susan. 2000. *Research Report: Do Pesticides Cause Lymphoma*? Available by U.S. mail from Lymphoma Foundation of America, P.O. Box 15335, Chevy Chase, MD 20825. Tel. (202) 223-6181. ISBN 0-9705127-0-8. Available at: <a href="http://www.lymphomahelp.org/docs/">http://www.lymphomahelp.org/docs/</a> research/researchreport/rr\_2000.pdf.

Ouellet, M., et al. 1997, "Hindlimb deformities (ectromelia, ectrodactyly) in free-living anurans from agricultural habitats": *Journal of Wildlife Diseases*, v. 33, p. 95-104. In some areas in Canada, amphibian abnormalities seem to correlate with pesticide use.

Palumbi SR. 2001. *The evolution explosion: how humans cause rapid evolutionary change*. Norton. Pests and pathogens can rapidly evolve resistance to biocides

Pimentel, D. 1995. "Protecting Crops," pp. 49-66 in *The Literature of Crop Science*, W.C. Olsen, ed. Cornell University Press. A good survey of agricultural pesticide use in world agriculture.

Pimentel, D., and H. Lehman, eds. 1992. *The Pesticide Question*. Chapman & Hall. Explores the ecology, economics, and ethics of pesticide use.

Pleasants, J. M. et al. "Corn pollen distribution on milkweeds in and near cornfields." *Proceedings of the National Academy of Sciences*, 98 (21): 11919-11924

Reganold, J. P., et al. 1990. "Sustainable Agriculture," *Scientific American* 262 (6): 112-120. Describes how alternative pest-management systems fit in sustainable agriculture.

Renner, Rebecca. 2002. "Conflict brewing over herbicide's link o frog deformities." *Science* 298: 938-939. Atrazine, one of the most widely used pesticides in America is linked to frog deformatives.

Ritter, L. 1997. "Report of a Panel on the Relationship between Public Exposure to Pesticides and Cancer," *Cancer* 80 (10): 2019-2033. Ad Hoc Panel on Pesticides and Cancer. National Cancer Institute of Canada. A Canadian view of cancer risks of pesticides.

Rivlin, Michael A. 2001. "Northern Exposure." *OnEarth* 23 (3): 14-20. Persistent organic pollutants are accumulating in people and wildlife of the far north.

Roubik, D. W. 2002. "The value of bees to the coffee harvest." *Nature* 417: 708-710 Coffee plants can self-pollinate but those pollinated by bees yield 50% more beans. This finding may change the use of pesticides in coffee plantations.

Rubin, Carole and Robert Bateman. 2003 *How to Get Your Lawn and Garden Off Drugs: A Basic Guide to Pesticide-Free Gardening in North America-*(2<sup>nd</sup> ed). Harbor Publishing. A practical guide to pesticide alternatives.

Russell, C. 1990. "A Crisis in Public Confidence," *EPA Journal* 16 (3): 2-5. A good discussion of the Alar apple scare. Concludes that image is more important than science in making public policy.

Russell, Edmund. 2001. War and Nature: Fighting Humans and Insects With Chemicals from World War I to Silent Spring (Studies in Environment and History). Cambridge Univ. Press. A history of our battle with insects.

Saxena, Deepak, et al, 1999. "Insecticidal Toxin in Root Exudates from BT Corn," *Nature*: 402 (676): 480. Genetically modified corn plants can contaminate soil.

Sears, M. K. et al. 2001. "Impact of Bt corn pollen on monarch butterfly populations: A risk assessment." *Proceedings of the National Academy of Sciences*, 98 (21): 11937-11942.

Shiva, V and R. Holla-Bhar. 1993. "Intelectual piracy and the neem tree." *The Ecologist* 23 (6): 223-228. Do pharmaceutical companies owe royalties for pesticides derived from native species?

Schultz, Warren (ed), 1995. *Natural Insect Control (21st Century Gardening Series, Handbook #139)* Brooklyn Botanic Garden. A practical guide to pesticide alternatives.

Sparling, D.W. 2000 "Effects of Altosid and Abate-4E on deformities and survival in southern leopard frogs under semi-natural conditions", in Kaiser, H., Casper, G.S., and Bernstein, N., (eds)., <u>Investigating amphibian declines</u>, <u>Proceedings of the 1998 Midwest Amphibian Conference</u>, *Journal of the Iowa Academy of Science*, v. 107, nos. 3,4, p. 90-91.

Stanley-Horn, D. E.2001. "Assessing the impact of Cry1Ab-expressing corn pollen on monarch butterfly larvae in field studies". *Proceedings of the National Academy of Sciences*. 98 (21): 11931-11936

Stellman, J.M, et al. 2003. "The extent and patterns of usage of Agent Orange and other herbicides in Vietnam" *Nature* 422, 681 - 687 New analyses of military records reveals that current estimates of dioxin-contaminated Agent Orange usage during the Vietnam War are up to 7 million liters low.

Strobel, Gary A. (July) 1992. "Biological Control of Weeds," *Scientific American* 265 (1): 72-78. How natural enemies can be used to combat weeds.

Thornton. Joe. 2000. *Pandora's Poison: Chlorine, Health, and a New environmental Strategy*. MIT Press. Arguments for banning persistent organic pollutants.

Tumlinson, J. H., et al. 1993. "How Parasitic Wasps Find Their Hosts," *Scientific American* 266 (3): 100-105. A fascinating account of how wasps locate caterpillar prey and how this may aid in pest control.

U.S. Environmental Protection Agency, "Biopesticide Fact Sheet: *Bacillus Thuringiensis* Cry1Ab Delta-Endotoxin and the Genetic Material Necessary for Its Production (Plasmid Vector pCIB4431) in Corn [Event 176]," April 2000. EPA Publication No. 730-F-00-003.

Vorley, Bill and Dennis Keeney, eds. 1998. *Bugs in the System; Reinventing the Pesticide Industry for Sustainable Agriculture*. Island Press. The realities of pesticide production and use, the leverage points for change, and potential consequences of sustainability.

Wang, A.A., et al. 2002. "Specific adhesion to cellulose and hydrolysis of organophosphate nerve agents by a genetically engineered Esceherichia coli strain with a surface-expressed cellulose-binding domain and organophosphorus hydrolase." *Applied and Environmental Microbiology* 68: 1684 – 1689.

Wargo, John. 1996. Our Children's Toxic Legagy: How Science Failed to Protect Us from Pesticides. Island Press. The history of pesticide law and science with a focus on the special hazards faced by children.

World Bank. 1996. *Integrated Pest Management: Strategy and Policy Options for Promoting Effective Implementation*. Environmentally Sustainable Development. Suggestions for promoting IPM.

Zangerl, A.R. et al. 2001. "Effects of exposure to event 176 Bacillus thuringiensis corn pollen on monarch and black swallowtail caterpillars under field conditions." *Proceedings of the National Academy of Sciences* 98 (21): 11908-11912.