

CURRICULUM VITAE

Jean Bonhotal

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Education:

1991 M.S. SUNY Binghamton, Education and Communication
1984 B.A./B.S. Utah State University, Fisheries and Wildlife Biology
1979 AAS SUNY Morrisville, Natural Resources

Positions:

2012-present Cornell Waste Management Institute, Cornell University, Ithaca, NY, Director
2007-2011: Cornell Waste Management Institute, Cornell University, Ithaca, NY, Associate Director
1989-2007: Cornell Waste Management Institute, Cornell University, Ithaca, NY, Extension Associate
1986-1989: Cornell Cooperative Extension, Broome County, Binghamton, NY, Cooperative Extension

Areas of Expertise: Composting; manure; mortality disposal; compost quality; compost use

Professional Overview and Objectives: Improve soil health through increased use of organic residuals. Provide economic and environmentally sound options for livestock farmers to manage manure and mortalities. Promote sound, practical plans for mass casualty disposal throughout the US. Work with the compost/horticulture/agriculture industry to develop specifications for compost use and promote an increase use of organic residuals.

Honors and Awards:

NYSAR³ Recycler of the Year – Private Sector. 2009.

Communications Award Regional Finalist, National Association of County Agricultural Agents, “Compost Fact Sheet Series”. 2009.

Outstanding Accomplishments in Extension/Outreach Award – CALS Research and Extension Award. 2007.

David Allee Campus-County Connection Award - The “Natural Rendering” project. 2004

Blue Ribbon: from the American Society of Agricultural Engineers. “Natural Rendering: Composting Livestock Mortality and Butcher Waste”, (NRAES-163). 2003.

Outstanding New Extension Publication Recognition Award, “Natural Rendering: Composting Livestock Mortality and Butcher Waste” fact sheet, presented by Cornell Cooperative Extension. 2003.

National Association of County Agricultural Agents Communication Award & NYS winner, “Disposal of Livestock Mortality & Butcher Waste”. 2003.

NYS Association of County Agricultural Agents, Communications Northeast Regional Finalist, “You Can Compost What?” 2003.

National Association of County Agricultural Agents Communication Award & NYS winner, “Farm-Based Composting: Manure & More”. 2001.

Solid Waste Association of North America - award for developing a youth solid waste education program. 1991.

U.S. Environmental Protection Agency – “Environmental Quality Award” for developing a solid waste education program that protect and enhance environmental quality. 1991.

Grants/contracts:

Agricultural Innovation Manure Projects – Technology Transfer

Assessing the Fate of Drugs in Livestock Mortality and Manures

Connecting Farm Compost with Ag Industry Users: Demonstrating Compost Assets with Growers

Emergency Planning for Avian Influenza in New York State

Evaluation of New Compost Dairy Barn Facility

Implementing Natural Rendering on Farms and in Butcher Operations

Improving Disposal of On-Farm Mortality and Butcher Waste Residual

Improving Soil Test Performance, Interpretation and Education for Toxic Metals

Northern Forest Compost Collaborative

Pathogen Analysis of NYS DOT Road-Killed Deer Carcass Compost Facilities

Sustainable Livestock Mortality Management

Use of Dried Manure Solids as Bedding for Dairy Cows

Use of Vermicompost as a Substitute for Synthetic Inputs to Horticulture and Nursery Production

Select Publications:

- Bonhotal, J., Schwarz, M. and Feinland, G. 2011. In-vessel Composting Options for Medium-scale Food Waste Generators. *BioCycle*, 52(3):49-53
- Schwarz, M., Bonhotal, J. and Staehr, A.E. 2011. How Frequently Should Stalls Be Refreshed With New Bedding? *Progressive Dairyman*, 1:57-58
- Bonhotal, J. and Jack, A. 2010. Vermicompost-A Living Soil Amendment. Cornell Waste Management Institute. 9-min video and website. <http://cwmi.css.cornell.edu/vermicompost.htm>
- Schwarz, M., Bonhotal, J. and Rozeboom, D. 2010. The Space It Takes-Footprint Calculator for Composting Butcher Waste. Cornell Waste Management Institute, 1-8.
- Schwarz, M., Bonhotal, J. and Staehr, A.E. 2010. Use of Dried Manure Solids as Bedding For Dairy Cows. Fact sheet. Ithaca, Cornell Waste Management Institute, p.10
- Schwarz, M., Bonhotal, J., Harrison, E., Brinton, W. and Storms, P. 2010. Effectiveness of Composting Road-Killed Deer in New York State. *Compost Science & Utilization*, 18(4):232-241
- Bonhotal, J. and Schwarz, M. 2009. Save Money on Bedding. *Eastern DairyBusiness*, p21
- Bonhotal, J., Staehr, E. and Schwarz, M. 2009. Are Your Deadstock Piles and Disposal Costs Causing Your Farm Nightmares? *Country Folks*, B:21-23
- Petzen, J., Wolfanger, C., Bonhotal, J., Schwarz, M., Terry, T., and Youngers, N. 2009. Case Study - Eagleview Compost Dairy Barn. NY Farm Viability Institute, p. 12
- Schwarz, M., and Bonhotal, J. 2009. Are Solids a Solid Bedding? *Hoard's Dairyman*, 154(14):518
- Schwarz, M., and Bonhotal, J. 2009. Cornell Farm Services Compost Facility. Cornell Waste Management Institute, p. 7
- Bonhotal, J., Schwarz, M., and Brown, N. 2008. Natural Rendering: Composting Poultry Mortality. Ithaca, Cornell Waste Management Institute. 12 pg fact sheet, poster and DVD, <http://cwmi.css.cornell.edu/ai.htm>
- Bonhotal, J., Staehr, E., and Schwarz, M. 2008. A How-To on Livestock Composting, *Northeast DairyBusiness*, 10:18-19
- Bonhotal, J., Harrison, E.Z., and Schwarz, M. 2007. Natural Rendering: Composting Road Kill. Cornell Waste Management Institute. 12 pg fact sheet, poster and DVD. <http://cwmi.css.cornell.edu/tirc.htm>
- Schwarz, M., Bassuk, N., Bonhotal, J., and Harrison, E.Z. 2007. Highly Compacted Soils Improved by Compost Use. *BioCycle*, 48(7):55-56
- Schwarz, M., Bonhotal, J., Harrison, E.Z., and Gruttadaurio, J. 2007. Compost Use on Established Turf. *BioCycle*, 48(9):27-29
- Bonhotal, J., Harrison, E.Z., and Schwarz, M. 2007. Composting Liquids. Cornell Waste Management Institute. <http://cwmi.css.cornell.edu/compostfs8.pdf>.
- Aldrich, B. and Bonhotal, J. 2006. Aerobic Composting Affects Manure's Nutrient Content. *Northeast DairyBusiness*, 8(3):18
- Bonhotal, J., Harrison, E.Z. and Schwarz, M. 2006. Evaluating Pathogen Destruction in Road Kill Composting. *BioCycle*, 47:49-51
- Harrison, E.Z., Bonhotal, J., and Ouckama, E. 2004. Improving and Maintaining Compost Quality. Cornell Waste Management Institute. <http://cwmi.css.cornell.edu/compostfs3.pdf>
- Harrison, E.Z., Bonhotal, J., and Ouckama, E. 2004. Testing Composts. Cornell Waste Management Institute. <http://cwmi.css.cornell.edu/compostfs4.pdf>
- Bonhotal, J. and Laibach, T. 2004. Composting Road-Killed Deer in New York. *BioCycle*, 45(5):25-26
- Bonhotal, J. 2003. Natural Rendering: A Natural Solution for Mortality and Butcher Waste. *Small Farms Quarterly*, Fall Issue, pg 17
- Wright, P.E., Inglis, S.F., Stehman, S.M., and Bonhotal, J. 2003. "Reduction of Selected Pathogens in Anaerobic Digestion." *Proceedings of the 9th Int. Symposium, Animal, Agricultural and Food Processing Wastes IX*. Pg 74-82, Oct.12-15. Raleigh, NC
- Bonhotal, J., Telega, S.L., and Petzen, J.S. 2002. Natural Rendering: Composting Livestock Mortality and Butcher Waste. Cornell Waste Management Institute. 12 pg fact sheet, 3 posters and DVD.