

References

1. Matin A., P. Collas, D. Blain, C. Ha, C. Liang, L. MacDonald, S. McKibbin, C. Palmer, and K. Rhoades. 2004. Canada's Greenhouse Gas Inventory, 1990-2002. Environment Canada.
2. Alberta Agriculture, Food and Rural Development and University of Alberta. August 2003. Development of a farm-level Greenhouse gas Assessment: Identification of Knowledge gaps and Development of a Science Plan. AARI Project number 2001J204.
3. Laguë, C. 2001. Greenhouse gas Emissions: Is that an Issue for Canadian Pork Producers. 2001 Focus on the Future Conference Proceedings. 11 pp.
4. Maycher, N. 2003. Greenhouse gas Emission and Opportunities for Reduction from the Alberta Swine Industry- Discussion paper C3-012. Climate Change Central. 40 pp. www.climatechangecentral.com/resources/discussion_papers/GHGEmission_percent20Alta_Swine.pdf
5. Murphy, J. and K. de Lange. 2004. OMAF Factsheet: Nutritional Strategies to Decrease Nutrients in Swine Manure. 11 pp. www.gov.on.ca/OMAFRA/english/livestock/swine/facts/04-035.htm
6. See, T. 2003. Can Genetic Selection Enhance Nutrient Efficiency? Swine News. NC State Swine Extension. 4 pp. Date last viewed: November 10, 2004. http://mark.asci.ncsu.edu/Swine_News/2003/sn_v2605.htm
7. Herd, R.M., P.F. Arthur, R.S. Hegarty and J.A. Archer. 2002. Potential to Reduce Greenhouse gas Emissions from beef Production by Selection for Reduced Residual feed Intake. 7th World Congress on Genetics Applied to Livestock Production. 4 pp.
8. Aarnink, A.J.A. 1997. Ammonia Emission from Houses for Growing pigs as Affected by pen Design, Indoor Climate and Behaviour. Ph.D. thesis, Agricultural University Wageningen, The Netherlands.
9. Aker, C. 2005. Ontario Ministry of Agriculture and Food. person. comm.
10. Zijlstra, Z., M. Oryschak, S. Zervas, and E.D. Ekpe. 2001. Diet Manipulation to Reduce Nutrient Content in Swine Manure. 2001 Focus on the Future Conference. 6 pp.
11. Zervas S. and R.T. Zijlstra. 2002a. Effects of Dietary Protein and Oathull fiber on Nitrogen Excretion Patterns and Postprandial Plasma urea Profiles in Grower pigs. *Journal of Animal Science*. 80: 3238-3246.
12. Zervas S. and R.T. Zijlstra. 2002b. Effects of Dietary Protein and Fermentable Fiber on Nitrogen Excretion Patterns and Plasma urea in Growing pigs. *Journal of Animal Science*. 80: 3247-3256.
13. Ball, R.O. and S. Moehn. 2003. Feeding Strategies to Reduce Greenhouse gas Emissions from Pigs. *Advances in Pork Production*. Volume 14. 11 pp.
14. Moehn, S., R.O. Ball and J.K.A. Atakora. 2003. Reduction of Greenhouse Gas Emissions in Swine by Diet Manipulation. CCFIA 2001-2003 Final Project Report.
15. Van Kempen, T. and E. van Heugten. 2001. Lesson 10: Reducing the Nutrient Excretion and odor of pigs Through Nutritional Means. *Manure Management Curriculum 2002*. 32 pp.
16. Hayes, E.T., A.B.G. Leek., T.P. Curran, V.A. Dodd, O.T. Carton., V.E. Beattie, and J.V. O'Doherty. 2001. The Influence of diet Crude Protein Level on Odour and Ammonia Emissions from Finishing pig Houses. *Bioresource Technology*. 91: 309-315.
17. Kay, R.M. and P.A. Lee 1997. Ammonia Emission from pig Buildings and Characteristics of Slurry Produced by pigs Offered low Crude Protein Diets. In: Voermans, J.A.M., Monteny, G. (Eds.) *Proceedings of the International Symposium on Ammonia and Odour Control from Animal Production Facilities*. Vinkeloord, The Netherlands 6-10 October 1997, pp. 253-260.
18. Canh, T.T., A.J.A. Aarnink, J.B. Schutte, A. Sutton, D.J. Langhout, M.W.A., Verstegen. 1998. Dietary Protein Affects Nitrogen Excretion and Ammonia Emissions from Slurry of Growing-Finishing pigs. *Livestock Production Science* 46: 181-191.
19. Beaulieu, A.D. and J.F. Patience. 2004. Low Crude Protein Diets Reduce Nitrogen Output in the Manure, but are they Practical? *Prairie Swine Centre Inc.* <http://prairieswine.usask.ca/whatsnew/October2004/LowProtein.pdf>
20. Moehn, S., R.O. Ball and J.K.A. Atakora. 2003. Reduction of Greenhouse Gas Emissions in Swine by Diet Manipulation. CCFIA 2001-2003 Final Project Report.
21. Alberta Agriculture, Food and Rural Development and Alberta Pork. Environmental Manual for Hog Producers in Alberta. Agdex 440/28-1. www.agric.gov.ab.ca or Publications 1-800-292-5697.
22. McLeod, C. and K. Haugen-Kozyra 2004. Making Sense of Greenhouse gas Production. Canadian Pork Council factsheet.
23. Kornegay, E.T. and M.W.A. Verstegen. 2001. Swine Nutrition and Environmental Pollution and Odour Control. Pages 609-630. In *Swine Nutrition 2nd edition*. A.J. Lewis and L.L. Southern (Eds). CRC Press LLC. New York.
24. Christianson, S.K., S.P. Lemay, H.W. Gonyou, J.F. Patience, and L. Chenard 2002. Establishing and Comparing the Water Balance of Grower-finisher Rooms Using dry and wet/dry Feeders. In. *Advances in Pork Production*. Volume 13, Abstract #11 .
25. McLeod, C. 2004. Barn Management Efficiency: Small Changes for big Gains. Canadian Pork Council factsheet.
26. Liu, C., D. Small, D. Hogkinson., 2001. The Effects of Earthen Manure Storage Covers on Nutrient Conservation and Stabilization of Manure. *DGH Engineering*. St. Andrews MB. 28p.
27. Voss, B. 2005. Clear Green Environmental Inc. person. comm.
28. Chantigny, M. H., D. Angers, P. Rochette, G. Bélanger, and J. Tremblay. 2004. Valorisation Agronomique sur Cultures Fourragères de lisiers de porc Pré-traités et Réduction des Impacts Environnementaux (air et sol) Consécutifs aux Epanchages. Report pour: La Fédération des Producteurs de Porcs du Québec.
29. Canadian Pork Council. 2002. Greenhouse gas Mitigation Strategy for the Canadian hog Industry- Discussion paper. 19 pp. www.ontariopork.on.ca/issues/enviro/CPCpercent20greenhousegas.pdf
30. Osada T., H.B. Rom, P. Dahl. 1998. Continuous Measurement of Nitrous Oxide and Methane Emissions in pig Units by Infrared Photoacoustic Detection. *Trans-ASAE July/August*. p 1109-1114.
31. Alberta Agriculture, Food and Rural Development. Environmental Manual for Crop Producers in Alberta. Agdex 100/25-1. www.agric.gov.ab.ca or Publications 1-800-292-5697.
32. PAMI. 2004. Post-emergent Swine Manure Injection on Cereal Crops: Agronomic and Economic Results. PAMI Research Update # 765. 4 pp. www.pami.ca/pdfs/reports_research_updates/765_post_emergent_swine_manure_on_cereal_crops.pdf
33. PAMI. 1999. Low Disturbance Liquid Manure Injection: Is Technology Keeping up? PAMI Research Update #744. 6 pp. Date last viewed: November 10, 2004. www.pami.ca/pdfs/reports_research_updates/744_low_disturbance_liquid_manure_injection.pdf
34. Feddes, J., Q. Zhang, B. Fritz, M. Cannon, K. Bolton. 2002a. Emission Control Strategies for land Application. In Lesson 13. *Emission Control Strategies for Land Application*. Manure Management Curriculum.
35. Prairie Farm Rehabilitation Administration and Agriculture and Agri-Food Canada. 2003. Shelterbelts-a tool for Climate Change. www.agr.gc.ca/pfra/climate/climatechg_e.htm Date last viewed: November 4, 2004.
36. Feddes, J., Q. Zhang, B. Fritz, M. Cannon, K. Bolton. 2002b. Emission Control Strategies for land Application. In Lesson 12. *Emission Control Strategies for Manure Storage Facilities*. Manure Management Curriculum.

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