

## Bibliography &amp; References Cited

1. U.S. Environmental Protection Agency (2010), Modifications to Renewable Fuel Standard Program (RFS2).  
<<http://www.epa.gov/otaq/fuels/renewablefuels/regulations.htm>>
2. Somerville, C., H. Youngs, C. Taylor, S. C. Davis, and S. P. Long (2010), Feedstocks for Lignocellulosic Biofuels, *Science*, 329(5993), 790-792.
3. Mann, M. K., and P. L. Spath (1999), A Life Cycle Comparison of Electricity from Biomass and Coal, in *Industry and Innovation in the 21st Century: Proc. of the 1999 ACEEE Summer Study on Energy Efficiency in Industry*, edited, pp. p. 559-569, American Council for an Energy-Efficient Economy, Washington, DC.
4. Keoleian, G., and T. Volk (2005), Renewable Energy from Willow Biomass Crops: Life Cycle Energy, Environmental and Economic Performance, *Critical Reviews in Plant Sciences*, 24, 385-406. <<http://dx.doi.org/10.1080/07352680500316334>>
5. Schmer, M. R., K. P. Vogel, R. B. Mitchell, and R. K. Perrin (2008), Net energy of cellulosic ethanol from switchgrass, *Proceedings of the National Academy of Sciences*, 105(2), 464-469. <<http://www.pnas.org/content/105/2/464.abstract>>
6. Laser, M., E. Larson, B. Dale, M. Wang, N. Greene, and L. R. Lynd (2009), Comparative analysis of efficiency, environmental impact, and process economics for mature biomass refining scenarios, *Biofuels, Bioproducts and Biorefining*, 3(2), 247-270.  
<<http://dx.doi.org/10.1002/bbb.136>>
7. Shapouri, H., J. A. Duffield, and M. Wang (2002), The energy balance of corn ethanol: An update, 19 pp, USDA Economic Research Service. <<http://purl.umn.edu/34075>>
8. McLaughlin, S. B., and L. A. Kszos (2005), Development of switchgrass (*Panicum virgatum*) as a bioenergy feedstock in the United States, *Biomass & Bioenergy*, 28(6), 515-535. <<Go to ISI>://000229348000001>
9. Fargione, J. E., T. R. Cooper, D. J. Flaspohler, J. Hill, C. Lehman, T. McCoy, S. McLeod, E. J. Nelson, K. S. Oberhauser, and D. Tilman (2009), Bioenergy and Wildlife: Threats and Opportunities for Grassland Conservation, *Bioscience*, 59(9), 767-777. <<Go to ISI>://000270634700008>
10. Graham, R. L. (1994), An analysis of the potential land base for energy crops in the conterminous United States, *Biomass and Bioenergy*, 6(3), 175-189.  
<[http://dx.doi.org/10.1016/0961-9534\(94\)90074-4](http://dx.doi.org/10.1016/0961-9534(94)90074-4)>
11. Rodrigue, J. A., and J. A. Burger (2004), Forest soil productivity of mined land in the midwestern and eastern coalfield regions, *Soil Sci. Soc. Am. J.*, 68(3), 833-844.  
<<https://www.soils.org/publications/sssaj/abstracts/68/3/833>>
12. Stanton, B. J. (2004), Poplars, in *Encyclopedia of Forest Sciences*, edited by J. Burley, J. Evans and J. A. Youngquist, pp. pp. 1441-1449, Elsevier, Oxford.
13. Volk, T. A., L. P. Abrahamson, C. A. Nowak, L. B. Smart, P. J. Tharakan, and E. H. White (2006), The development of short-rotation willow in the northeastern United States for bioenergy and bioproducts, agroforestry and phytoremediation, *Biomass and Bioenergy*, 30(8-9), 715-727. <<http://dx.doi.org/10.1016/j.biombioe.2006.03.001>>
14. Heaton, E. A., F. G. Dohleman, and S. P. Long (2008), Meeting US biofuel goals with less land: the potential of *Miscanthus*, *Global Change Biology*, 14(9), 2000-2014. <<Go to ISI>://000258257700004>

15. Heaton, E. A. (2010), Giant Miscanthus for Biomass Production, edited by I. S. C. Extension, Iowa State Cooperative, Ames, Iowa.
16. Maughan, M., G. Bollero, D. K. Lee, R. Darmody, S. Bonos, L. Cortese, J. Murphy, R. Gaussoin, M. Sousek, D. Williams, L. Williams, F. Miguez, and T. Voigt (2011), Miscanthus  $\times$  giganteus productivity: the effects of management in different environments, *GCB Bioenergy*, n/a-n/a. <<http://dx.doi.org/10.1111/j.1757-1707.2011.01144.x>>
17. Volk, T. A., T. Verwijst, P. J. Tharakan, L. P. Abrahamson, and E. H. White (2004), Growing fuel: a sustainability assessment of willow biomass crops, *Frontiers in Ecology and the Environment*, 2(8), 411-418. <[http://dx.doi.org/10.1890/1540-9295\(2004\)002\[0411:GFASAO\]2.0.CO;2](http://dx.doi.org/10.1890/1540-9295(2004)002[0411:GFASAO]2.0.CO;2)>
18. Rowe, R. L., N. R. Street, and G. Taylor (2009), Identifying potential environmental impacts of large-scale deployment of dedicated bioenergy crops in the UK, *Renewable and Sustainable Energy Reviews*, 13(1), 271-290. <<http://dx.doi.org/10.1016/j.rser.2007.07.008>>
19. Buchholz, T., and T. A. Volk (2010 (in press)), Is project scale the key to sustainable modern bioenergy systems in the tropics?, *Journal of Sustainable Forestry*, 30, 5-6.
20. Tharakan, P. J., T. A. Volk, C. A. Lindsey, L. P. Abrahamson, and E. H. White (2005), Evaluating the impact of three incentive programs on the economics of cofiring willow biomass with coal in New York State, *Energy Policy*, 33(3), 337-347. <<http://dx.doi.org/10.1016/j.enpol.2003.08.004>>
21. Boyer, J. S. (1982), Plant productivity and environment, *Science*, 218, 443-448. <<http://dx.doi.org/10.1126/science.218.4571.443>>
22. Bailey, R. G. (1995), *Description of the Ecoregions of the United States*, 2nd ed., U.S. Forest Service, Washington D.C.
23. Bartels, D., and R. Sunkar (2005), Drought and salt tolerance in plants, *Critical Reviews in Plant Sciences*, 241, 23-58. <<http://dx.doi.org/10.1080/07352680590910410>>
24. FAO. <<http://www.fao.org/ag/agl/agll/spush>> Site accessed on: 9/14/2010
25. Munns, R. (2005), Genes and salt tolerance: bringing them together, *New Phytologist*, 167(3), 645-663. <<http://dx.doi.org/10.1111/j.1469-8137.2005.01487.x>>
26. Helby, P., H. Rosenqvist, and A. Roos (2006), Retreat from *Salix* - Swedish experience with energy crops in the 1990s, *Biomass & Bioenergy*, 30(5), 422-427. <<http://dx.doi.org/10.1016/j.biombioe.2005.12.002>>
27. Hoffmann, D., and M. Weih (2005), Limitations and improvement of the potential utilisation of woody biomass for energy derived from short rotation woody crops in Sweden and Germany, *Biomass and Bioenergy*, 28(3), 267-279. <<http://dx.doi.org/10.1016/j.biombioe.2004.08.018>>
28. McCormick, K., and T. Kåberger (2007), Key barriers for bioenergy in Europe: Economic conditions, know-how and institutional capacity, and supply chain co-ordination, *Biomass and Bioenergy*, 31(7), 443-452. <<http://dx.doi.org/10.1016/j.biombioe.2007.01.008>>
29. Richard, T. L. (2010), Challenges in Scaling Up Biofuels Infrastructure, *Science*, 329(5993), 793-796. <<Go to ISI>://000280809900038>
30. Praxair. <<http://www.praxair.com>> Site accessed on:
31. American Refining Group. <<http://www.amref.com/>> Site accessed on:

32. Double A Willow.  
<[http://www.doubleawillow.com/bio\\_energy\\_willow\\_plantation.php](http://www.doubleawillow.com/bio_energy_willow_plantation.php)> Site accessed on: 9/14/2010
33. Terra Green Energy. <<http://www.terragreenenergy.com/>> Site accessed on: 9/14/2010
34. Primus Green Energy. <<http://www.primusge.com/>> Site accessed on:
35. Aloterra. <<http://aloterraenergy.com/>> Site accessed on:
36. Ernst Conservation Seeds. <<http://www.ernstseed.com/>> Site accessed on:
37. Agricultural Development Services LLC. <<http://www.agdevelopmentservices.com/>> Site accessed on: 9/14/2010
38. Applied Biorefinery Sciences. <<http://www.abs-llc.us/>> Site accessed on: 9/14/2010
39. Mascoma. <<http://www.mascoma.com/pages/index.php>> Site accessed on: 9/14/2010
40. Lyonsdale Biomass. <<http://www.catalystrc.com/projects.html>> Site accessed on: 9/14/2010
41. Lockheed Martin.  
<[http://www.lockheedmartin.com/news/press\\_releases/2010/090910\\_LM\\_Owego\\_Biomass.html](http://www.lockheedmartin.com/news/press_releases/2010/090910_LM_Owego_Biomass.html)> Site accessed on: 9/14/2010
42. Wilds, T. <<http://thewilds.org/about/>> Site accessed on:
43. Upreti, B. R. (2004), Conflict over biomass energy development in the United Kingdom: some observations and lessons from England and Wales, *Energy Policy*, 32(6), 785-800. <[http://dx.doi.org/10.1016/S0301-4215\(02\)00342-7](http://dx.doi.org/10.1016/S0301-4215(02)00342-7)>
44. Upreti, B. R., and D. Van der Horst (2004), National Renewable energy policy and local opposition in the UK: the failed development of a biomass electricity plant, *Biomass and Bioenergy*, 26(1), 60-69.
45. Ravindranath, N. H., H. I. Somashekar, M. S. Nagaraja, P. Sudha, G. Sangeetha, S. C. Bhattacharya, and P. Abdul Salam (2005), Assessment of sustainable non-plantation biomass resources potential for energy in India, *Biomass and Bioenergy*, 29(3), 178-190. <<http://dx.doi.org/10.1016/j.biombioe.2005.03.005>>
46. Munda, G., and D. Russi (2005), *Energy Policies for Rural Electrification: A Social Multi-Criteria Evaluation approach*, 28 pp., Universitat Autònoma de Barcelona: Unitat d'Història Econòmica, Barcelona.
47. U.S. Department of Energy (2011), *U.S. Billion-Ton Update: Biomass Supply for a Bioenergy and Bioproducts Industry*, 227 p. pp., Oak Ridge National Laboratory, Oak Ridge, TN.
48. Adams, D. M., R. J. Alig, J. M. Callaway, B. A. McCarl, and S. M. Winnett (1996), The forest and agricultural sector optimization model (FASOM): model structure and policy, in *Research Paper PNW-RP-495*, edited, p. 60, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.
49. De La Torre Ugarte, D. G., B. C. English, and K. Jensen (2007), Sixty billion gallons by 2030: Economic and agricultural impacts of ethanol and biodiesel expansion, *American Journal of Agricultural Economics*, 89(5), 1290-1295. <<http://dx.doi.org/10.1111/j.1467-8276.2007.01099.x>>
50. Rubin, E. M. (2008), Genomics of cellulosic biofuels, *Nature*, 454(7206), 841-845. <<http://dx.doi.org/10.1038/nature07190>>
51. Leahy, J., M. Kilgore, C. Hibbard, and J. Donnay (2008), Family forest landowners' interest in and perceptions of forest certification: Focus group findings from Minnesota,

- Northern Journal of Applied Forestry*, 73-81.  
<<http://www.ingentaconnect.com/content/saf/njaf/2008/00000025/00000002/art00003>>
52. Jacobson, M. G., R. C. Abt, and D. R. Carter (2000), Attitudes toward joint forest planning among private landowners, *Journal of Sustainable Forestry*, 11(3), 95-112.  
<[http://dx.doi.org/10.1300/J091v11n03\\_06](http://dx.doi.org/10.1300/J091v11n03_06)>
  53. Jacobson, M. G., T. J. Straka, J. L. Greene, M. A. Kilgore, and S. E. Daniels (2009), Financial incentive programs' influence in promoting sustainable forestry in the northern region, *Northern Journal of Applied Forestry*, 26, 61-67.  
<<http://www.ingentaconnect.com/content/saf/njaf/2009/00000026/00000002/art00003>>
  54. Yano, Y., D. Blandford, and Y. Surry (2010), Do current U.S. ethanol policies make sense?, Agricultural and Applied Economics Association.  
<<http://www.aea.org/publications/policy-issues/PI10.pdf>>
  55. Hess, J., K. Kenney, L. Ovard, E. Searcy, and C. Wright.  
<[www.inl.gov/bioenergy/uniform-feedstock](http://www.inl.gov/bioenergy/uniform-feedstock)> Site accessed on:
  56. Jensen, K., C. D. Clark, P. Ellis, B. English, J. Menard, M. Walsh, and D. D. L. T. Ugarte (2007), Farmer willingness to grow switchgrass for energy production, *Biomass & Bioenergy*, 31(11-12), 773-781. <<Go to ISI>://000251359200003>
  57. Mattison, E. H. A., and K. Norris (2007), Intentions of UK farmers toward biofuel crop production: Implications for policy targets and land use change, *Environmental Science & Technology*, 41(16), 5589-5594. <<Go to ISI>://000248886000007>
  58. Wegener, D., and J. Kelly (2008), Social psychological dimensions of bioenergy development and public acceptance, *Bioenergy Research*, 1(2), 107-117.
  59. Selfa, T. (2010), Global benefits, local burdens? The paradox of governing biofuels production in Kansas and Iowa, *Renewable Agriculture and Food Systems*, 25(2), 129-142. <<Go to ISI>://000278038400007>
  60. Butler, B. J., Z. Ma, D. B. Kittredge, and P. Catanzaro (2010 (in press)), Social versus biophysical availability of wood in the northern U.S., *Northern Journal of Applied Forestry*.
  61. Rossi, A., and C. C. Hinrichs (2011), Hope and skepticism: Farmer and local community views on the socio-economic benefits of agricultural bioenergy, *Biomass and Bioenergy*, 35, 1418-1428.
  62. Shindler, B., M. Brunson, and J. Leahy (2002), Social Acceptability of Forest Conditions and Management Practices: a Problem Analysis, 68 p. pp, USDA Forest Service, Pacific Northwest Research Station, Portland, Ore.
  63. Johnson, R., B. Shelby, M. Brunson, and J. Leahy (2005), Socioeconomic responses to silvicultural alternatives, in *Ecological socioeconomic responses to alternative silvicultural treatments*, edited by C. Mcguire and C. Chambers, pp. p. 80-103, OSU Forest Research Laboratory, Corvallis.
  64. Marciano, J., R. J. Lilieholm, J. Leahy, and T. L. Porter (2009), Preliminary Findings of the Maine Forestry and Forest Bioproducts Survey, 56 pages pp, University of Maine Forest Bioproducts Research Initiative.
  65. Burdge, R. J. (2003), The Practice of social impact assessment, *Impact Assessment & Project Appraisal*, 21(2), 84-88.
  66. Hinrichs, C. C. (2007), Sustainability and Biofuels Development: Socioeconomic Frameworks, in *Workshop on Frontiers in Sustainability Science: Biofuels as a Critical Test*. Institute of Ecosystems Studies, edited, Millbrook, New York.

67. Vanclay, F. (2006), Principles for social impact assessment: A critical comparison between the international and US documents, *Environmental Impact Assessment Review*, 26(1), 3-14. <<http://dx.doi.org/10.1016/j.eiar.2005.05.002>>
68. Wojnar, Z., and C. Rutzke (2010), Renewable fuels roadmap and sustainable biomass feedstock supply for New York, Albany, NY. <<http://www.nyserda.org/publications/renewablefuelsroadmap/default.asp>>
69. Smart, L. B., and K. D. Cameron (2008), Genetic improvement of willow (*Salix* spp.) as a dedicated bioenergy crop, in *Genetic Improvement of Bioenergy Crops*, edited by W. E. Vermerris, pp. 347-376, Springer Science, New York, NY.
70. Cortese, L. M., J. Honig, C. Miller, and S. A. Bonos (2010), Genetic Diversity of Twelve Switchgrass Populations Using Molecular and Morphological Markers, *Bioenergy Research*, 3(3), 262-271. <<Go to ISI>://WOS:000280807800005>
71. Bagniewska-Zadworna, A., M. Zenkteler, E. Zenkteler, M. K. Wojciechowicz, A. Barakat, and J. E. Carlson (2011), A successful application of the embryo rescue technique as a model for studying crosses between *Salix viminalis* and *Populus* species, *Australian Journal of Botany*, 59(4), 382-392. <<Go to ISI>://WOS:000291397300008>
72. Elshire, R. J., J. C. Glaubitz, Q. Sun, J. A. Poland, K. Kawamoto, E. S. Buckler, and S. E. Mitchell (2011), A Robust, Simple Genotyping-by-Sequencing (GBS) Approach for High Diversity Species, *Plos One*, 6(5), e19379. <<http://dx.doi.org/10.1371/journal.pone.0019379>>
73. Grattapaglia, D., and M. D. V. Resende (2011), Genomic selection in forest tree breeding, *Tree Genetics & Genomes*, 7(2), 241-255. <<Go to ISI>://WOS:000288656800003>
74. Heffner, E. L., M. E. Sorrells, and J.-L. Jannink (2009), Genomic selection for crop improvement, *Crop Science*, 49(1), 1-12. <<https://www.crops.org/publications/cs/abstracts/49/1/1>>
75. Crouch, J. A., L. A. Beirn, L. M. Cortese, S. A. Bonos, and B. B. Clarke (2009), Anthracnose disease of switchgrass caused by the novel fungal species *Colletotrichum navitas*, *Mycological Research*, 113, 1411-1421. <<Go to ISI>://WOS:000273239300008>
76. Rooney, D. C., K. Killham, G. D. Bending, E. Baggs, M. Weih, and A. Hodge (2009), Mycorrhizas and biomass crops: opportunities for future sustainable development, *Trends in Plant Science*, 14(10), 542-549. <<Go to ISI>://000271054200004>
77. Weyens, N., D. van der Lelie, S. Taghavi, L. Newman, and J. Vangronsveld (2009), Exploiting plant-microbe partnerships to improve biomass production and remediation, *Trends in Biotechnology*, 27(10), 591-598. <<http://www.sciencedirect.com/science/article/B6TCW-4X0M17X-1/2/6195776b6f413e051d1db25b33bf71c7>>
78. Ghimire, S. R., N. D. Charlton, J. D. Bell, Y. L. Krishnamurthy, and K. D. Craven (2011), Biodiversity of fungal endophyte communities inhabiting switchgrass (*Panicum virgatum* L.) growing in the native tallgrass prairie of northern Oklahoma, *Fungal Diversity*, 47(1), 19-27. <<Go to ISI>://WOS:000289725500003>
79. Herr, J. R. (2011), Bioenergy from trees, *New Phytologist*, 192(2), 313-315. <<Go to ISI>://WOS:000295282700005>



80. Buchholz, T., and T. A. Volk (2011), Identifying opportunities to improve the profitability of willow biomass crops with a crop budget model, *Bioenergy Research*, 4(2), 85-95.
81. Richard, T. L., P. Woodbury, R. Ready, B. Dale, and S. Joshi (2010), Biomass Feedstock Production in the Northeast: Economic and Environmental Implications. NE Sun Grant Final Report. <<http://nesungrant.cornell.edu/cals/sungrant/>>
82. Amidon, T. E., C. D. Wood, A. M. Shupe, Y. Wang, M. Graves, and S. Liu (2008), Biorefinery: Conversion of Woody Biomass to Chemicals, Energy and Materials, *Journal of Biobased Materials and Bioenergy*, 2, 100-120. <<http://dx.doi.org/10.1166/jbmb.2008.302>>
83. Richard, T. L., D. Brownell, K. Raumsook, J. Liu, and E. Thomchick (2011), Biomass harvest and logistics, in *Handbook of Bioenergy Crop Plants*, edited by C. Kole, C. P. Joshi and D. Shonnard, CRC Press, Boca Raton, FL.
84. Shinnors, K. J., G. C. Boettcher, R. E. Muck, P. J. Weimer, and M. D. Casler (2010), Harvest and Storage of Two Perennial Grasses as Biomass Feedstocks, *Transactions of the Asabe*, 53(2), 359-370. <<Go to ISI>://000278196100004>
85. Volk, T. A., L. P. Abrahamson, K. D. Cameron, P. Castellano, T. Corbin, E. Fabio, G. Johnson, Y. Kuzovkina-Eischen, M. M. Labrecque, R., D. Sidders, L. B. Smart, K. Staver, G. R. Stanosz, and K. Van Rees (2011), Yields of biomass crops across a range of sites in North America, *Aspects of Applied Biology*, 112, 67-74.
86. Carolan, J. E., S. V. Joshi, and B. E. Dale (2007), Technical and Financial Feasibility Analysis of Distributed Bioprocessing Using Regional Biomass Pre-Processing Centers, *Journal of Agricultural & Food Industrial Organization*, 5(2, Article 10). <<http://www.bepress.com/jafio/vol5/iss2/art10>>
87. Liu, S. (2010), Woody biomass: Niche position as a source of sustainable renewable chemicals and energy and kinetics of hot-water extraction/hydrolysis, *Biotechnology Advances*, 28(5), 563-582. <<http://dx.doi.org/10.1016/j.biotechadv.2010.05.006>>
88. Mao, H., J. M. Genco, A. van Heiningen, and H. Pendse (2010), Kraft Mill biorefinery to produce acetic acid and ethanol: technical economic analysis, *Bioresources*, 5(2), 525-544. <[http://www.ncsu.edu/bioresources/BioRes\\_05/BioRes\\_05\\_2\\_0525\\_Mao\\_GVP\\_Kraft\\_Mill\\_Biorefinery\\_Acetic\\_Acid\\_Ethanol\\_723.pdf](http://www.ncsu.edu/bioresources/BioRes_05/BioRes_05_2_0525_Mao_GVP_Kraft_Mill_Biorefinery_Acetic_Acid_Ethanol_723.pdf)>
89. Mao, H., J. M. Genco, S. H. Yoon, A. van Heiningen, and H. Pendse (2008), Technical economic evaluation of a hardwood biorefinery using the near-neutral hemicellulose pre-extraction process, *Journal of Biobased Materials and Bioenergy*, 2(2), 177-185. <<http://dx.doi.org/10.1166/jbmb.2008.309>>
90. Stoutenburg, R. M., J. A. Perrotta, T. E. Amidon, and J. P. Nakas (2010), Ethanol production from a membrane purified hemicellulosic hydrolysate derived from Sugar Maple by *Pichia Stipitis* NRRL Y-7124, *Bioresources*, 3(4), 1349-1358. <[http://www.ncsu.edu/bioresources/BioRes\\_03/BioRes\\_03\\_4\\_1349\\_Stoutenburg\\_PAN\\_Ethanol\\_Prod\\_Hemi\\_Hydrolysate\\_Sugar\\_Maple.pdf](http://www.ncsu.edu/bioresources/BioRes_03/BioRes_03_4_1349_Stoutenburg_PAN_Ethanol_Prod_Hemi_Hydrolysate_Sugar_Maple.pdf)>
91. Wright, M. M., R. C. Brown, and A. A. Boateng (2008), Distributed processing of biomass to bio-oil for subsequent production of Fischer-Tropsch liquids, *Biofuels, Bioproducts and Biorefining*, 2(3), 229-238. <<http://dx.doi.org/10.1002/bbb.73>>

92. Holtzapfle, M., and C. Granda (2009), Carboxylate platform: The MixAlco Process Part 1: Comparison of three biomass conversion platforms, *Applied Biochemistry and Biotechnology*, 156(1), 95-106. <<http://dx.doi.org/10.1007/s12010-008-8466-y>>
93. Blackman, E. D., and G. P. van Walsum (2009), Production of renewable bioproducts and reduction of phosphate pollution through the lime pretreatment and acidogenic digestion of dairy manure, *Environmental Progress & Sustainable Energy*, 28(1), 121-133. <<http://dx.doi.org/10.1002/ep.10306>>
94. Schwartz, T. J., A. R. P. van Heiningen, and M. S. Wheeler (2010), Energy densification of levulinic acid by thermal deoxygenation, *Green Chemistry*, 12, 1353-1356. <<http://dx.doi.org/10.1039/c005067a>>
95. Global Energy Partnership. <<http://www.globalbioenergy.org/>> Site accessed on: December 4, 2011
96. Egan, J. F., and D. A. Mortensen (In press), A comparison of land sharing and land sparing strategies for plant richness conservation in agricultural landscapes, *Ecological Applications*.
97. Quaye, A., and T. A. Volk (2011), Impacts of paper sludge and manure on soil and biomass production of willow, *Biomass and Bioenergy*, 35, 2796-2806.
98. Quaye, A., and T. A. Volk (2011), Soil nutrient dynamics and biomass production in an organic and inorganic fertilized short rotation willow coppice system, *Aspects of Applied Biology*, 112, 121-129.
99. Beale, C. V., and S. P. Long (1997), Seasonal dynamics of nutrient accumulation and partitioning in the perennial C-4-grasses *Miscanthus x giganteus* and *Spartina cynosuroides*, *Biomass & Bioenergy*, 12(6), 419-428. <<Go to ISI>://A1997YD85600003>
100. Heller, M. C., G. A. Keoleian, and T. A. Volk (2003), Life cycle assessment of a willow bioenergy cropping system, *Biomass & Bioenergy*, 25(2), 147-165. <<Go to ISI>://000183734200003>
101. Pacaldo, R., T. A. Volk, and R. Briggs (2011), Carbon balance in short rotation willow (*Salix dasyclados*) biomass crop across a 20-year chronosequence as affected by continuous production and tear-out treatments, *Aspects of Applied Biology*, 112, 131-138.
102. Stockle, C. O., M. Donatelli, and R. Nelson (2003), CropSyst, a cropping systems simulation model, *European Journal of Agronomy*, 18(3-4), 289-307. <<Go to ISI>://000180565100005>
103. Kemanian, A. R., and C. O. Stöckle (2010), C-Farm: A simple model to evaluate the carbon balance of soil profiles, *European Journal of Agronomy*, 32(1), 22-29. <<http://dx.doi.org/10.1016/j.eja.2009.08.003>>
104. Kemanian, A. R., S. Julich, V. S. Manoranjan, and J. R. Arnold (2011), Integrating soil carbon cycling with that of nitrogen and phosphorus in the watershed model SWAT: Theory and model testing, *Ecological Modelling*, 222(12), 1913-1921. <<Go to ISI>://000291497300001>
105. Boyer, E. W., and R. W. Howarth (Eds.) (2002), *The Nitrogen Cycle at Regional to Global Scales*, 519 pp., Kluwer Academic, Dordrecht.
106. Woodbury, P. personal communication, Sept. 2010
107. Minor, M., T. A. Volk, and R. A. Norton (2004), Effects of site preparation techniques on communities of soil mites (Acari: Oribatida, Acari: Gamasina) under short-rotation forestry plantings in New York, USA, *Applied Soil Ecology*, 25, 181-192.

108. Rowe, R. L., M. E. Hanley, D. Goulson, D. J. Clarke, C. P. Doncaster, and G. Taylor (2011), Potential benefits of commercial willow Short Rotation Coppice (SRC) for farm-scale plant and invertebrate communities in the agri-environment, *Biomass & Bioenergy*, 35(1), 325-336. <<Go to ISI>://000286905300036>
109. Haddon, W. (1980), Advances in the Epidemiology of Injuries as a Basis for Public-Policy, *Public Health Reports*, 95(5), 411-421. <<Go to ISI>://A1980KP74700001>
110. Pennsylvania State University College of Agriculture. <<http://www.agsafety.psu.edu/>> Site accessed on: 12/13/2011
111. Group, A. <<http://www.grpanderson.com/>> Site accessed on: 12/14/2011
112. Cash, D. W., W. C. Clark, F. Alcock, N. M. Dickson, N. Eckley, D. H. Guston, J. Jager, and R. B. Mitchell (2003), Knowledge systems for sustainable development, *Proceedings of the National Academy of Sciences of the United States of America*, 100(14), 8086-8091. <<http://dx.doi.org/10.1073/pnas.1231332100>>
113. Lattuca, L. R. (2001), *Creating interdisciplinarity : interdisciplinary research and teaching among college and university faculty*, 1st ed., viii, 296 p. pp., Vanderbilt University Press, Nashville.
114. National Academies (U.S.). Committee on Facilitating Interdisciplinary Research., Committee on Science Engineering and Public Policy (U.S.), National Academy of Sciences (U.S.), National Academy of Engineering., and Institute of Medicine (U.S.) (2005), *Facilitating interdisciplinary research*, xxv, 306 p. pp., The National Academies Press, Washington, D.C.
115. Ewel, K. C. (2001), Natural Resource Management: The Need for Interdisciplinary Collaboration, *Ecosystems*, 4(8), 716-722. <<http://dx.doi.org/10.1007/s10021-001-0040-1>>